Digital DEC/EDI

Installation

Revised for Software Version: Digital DEC/EDI V4.0

Compaq Computer Corporation
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Preface

Purpose

For Digital DEC/EDI Version 4.0

This book describes how to install the following Digital DEC/EDI components:

- Server
- Application Client
- Message Updates
- Cockpit
- CommandCenter

Enables you to perform basic system configuration, to ensure that Digital DEC/EDI is installed and configured correctly, and can communicate with other Digital DEC/EDI components installed within the same network.

Audience

This document is for anyone who wants to install, configure or support a Digital DEC/EDI installation.The audience for this book may be described in terms the activities required for a successful installation and basic configuration of a Digital DEC/EDI system. These activities may be performed by one or more people within your organization.

Software Installation

System Managers and Administrators who are responsible for installing Digital DEC/EDI and its related components on the required operating system.

Network Configuration

Network administrators who are responsible for performing any network configuration required to enable Digital DEC/EDI components located within the same network to communicate with one another.

Database Administration

Database administrators who are responsible for setting up the required user accounts, access rights or ODBC drivers for the database used by the Digital DEC/EDI software. For detailed configuration of Digital DEC/EDI and its external communications components please refer to the

Structure

- Part 1 - describes the preparation necessary before starting installation.
- Part 2 - describes network configuration
- Part 3 - describes database installation and configuration
- Part 4 - covers the Client and Server software installation
- Part 5 - describes basic system verification
- Part 6 - provides a set of appendices giving installation examples and a listing of the files installed.

How to Use this Book

This book details the preparation, installation, post-installation and basic configuration tasks that must be completed in order to successfully install the Digital DEC/EDI software components on the supported hardware and software platforms. The book also provides sample installation logs and screen captures for your guidance during the installation process. An existing user of the Digital DEC/EDI product wishing to upgrade or migrate to this version of Digital DEC/EDI, must read the chapter on upgrading and migration.

Completion of all tasks stipulated is essential to successful upgrading or migration from a previous version of Digital DEC/EDI. The book is organized to enable easy location of information relating to the installation activities for the required Digital DEC/EDI configuration.

Read Part I of this book from start to finish, and then read the sections that relate to the required Digital DEC/EDI configuration.

Digital DEC/EDI Documentation

This is one of a set of Digital DEC/EDI books. The complete list is as follows:

- *Digital DEC/EDI: Introduction*

  This book introduces general EDI concepts, and Digital's EDI system, Digital DEC/EDI. It describes the main components of the Digital DEC/EDI system, and how business documents are processed and communicated to trading partners. The book seeks to establish the concepts and terms used by Digital DEC/EDI. These are also summarized in a glossary.

  You are strongly recommended to become familiar with the material in this book before proceeding to install or use Digital DEC/EDI.

- *Digital DEC/EDI: Installation*

  This book describes how to install the Digital DEC/EDI software, how to perform basic system configuration and how to verify such an installation. It describes how to install the Application Client, Server, Cockpit and CommandCenter components.

- *Digital DEC/EDI: Application Development*

  This book describes the Application Client interfaces and the means of connecting business applications to the Application Client. It also details the creation and deployment of mapping tables as part of the process of integrating applications with Digital DEC/EDI.

- *Digital DEC/EDI: User's Guides (Digital UNIX and Open VMS)*

  These guides contain information on setting up and operating Digital DEC/EDI systems. They also contain information covering configuration, maintenance and problem solving.

  The term *User's Guides* is used throughout this book to refer to the following books which are provided along with the Digital DEC/EDI Server they describe.

Digital UNIX	*Digital DEC/EDI: UNIX User Support Manual*
OpenVMS	*Digital DEC/EDI: OpenVMS User Support Manual - Volume 1*
	Digital DEC/EDI: OpenVMS User Support Manual - Volume 2

- *Release Notes*

  Further to the above, each software kit contains a set of release notes applicable to that software. These release notes contain information about known product problems (with workarounds where appropriate) and any operational tips or hints not provided as part of the above documentation set. You are strongly recommended to review these release notes before installing the software. Refer to the appropriate installation guide for information on how to locate the release notes.

- On-line Documentation

  Comprehensive on-line documentation is supplied with the Digital DEC/EDI software: for example, on-line help libraries and UNIX man page help information. In addition the Digital DEC/EDI Cockpit and CommandCenter kits contains the *Digital DEC/EDI: Error Messages Help Library.* This contains all error messages the product may log along with a description of why the message occurred and what to do about it. It is provided in MS-Windows help library format. In addition, the CD-ROM provides on-line versions of all Digital DEC/EDI books in Adobe Acrobat format.

Digital DEC/EDI InfoCenter

For further information on Digital's EDI and Electronic Commerce Solutions and Services, please visit the EDI InfoCenter on the World Wide Web. The location is:

`http://www.decedi.com`

Related Third Party Documentation

Refer to the documentation provided with third-party products for installation and configuration details.

Typographical Conventions

Some information within this guide is specific to the database product you are using in conjunction with Digital DEC/EDI. The following conventions are used to indicate such text:

Oracle8i

This indicates the adjoining paragraph contains information specific to running Digital DEC/EDI with the Oracle8i database.

Similar conventions are used to indicate text specific to other components. For example:

- *Rdb* refers to the Oracle® Rdb™ database.
- *V4.0* refers to Cockpit Version V4.0.

Digital DEC/EDI / Compaq DEC/ EDI

The ownership of DEC/EDI was transferred to Digital GlobalSoft Ltd, a subsidiary of Compaq Computer Corporation based in India with effect from May 1, 2001. Consequent to this transfer, the name of the product was changed to Digital DEC/EDI. There may be references made to the existing name of the product, Compaq DEC/EDI in various sections of the documentation and screen display. We are in the process of implementing the name change across the product code and documentation. This is expected to be completed within the next couple of months. Pending the completion of this, all references to Compaq DEC/EDI in the documentation pertain to the Digital DEC/EDI product. Please refer to the product website at `www.decedi.com` for further information on the transfer of ownership.

Chapter 1 Preparing to Install Digital DEC/EDI

This chapter describes what actions are necessary prior to installation of Digital DEC/EDI.

Overview

Before installing Digital DEC/EDI there are a number of things which need to be determined about your system, and the configuration in which you intend to run Digital DEC/EDI.

It is not necessary to know everything about all the systems on which you will be using Digital DEC/EDI at this stage, as you may add further components or systems at a later date.

Digital DEC/EDI System Configuration

The collection of systems within the same network, on which Digital DEC/EDI and its components are installed, is known as the Digital DEC/EDI system configuration.

The different parts are described on the following pages.

Server

The Server acts as a communications gateway, providing EDI mapping, translation and communications services for one or more Application Client systems. You may have one or more Server systems within your Digital DEC/EDI system configuration.

A typical system configuration may have one Server for live EDI transactions, and another for backup or development use.

Application Client

The Application Client provides a file based interface to your business application, and may operate either via a command line or script- based interface, or via API calls directly from the business application. One or more Application Clients may communicate with the Server. The Application Client may reside on the same system as the Server, or may be on another system within the same network.

A typical system may have many Application Clients communicating with a Server.

Product Installation Documentation

Installation instructions are provided in the documentation associated with each product described in this chapter. Digital DEC/EDI product documentation is described in *Digital DEC/EDI Documentation* on page -xvii of the Preface.

Digital DEC/EDI User Interfaces

Cockpit

The Cockpit is a monitoring and basic audit administration tool which runs on a PC connected to the Server. The Cockpit can be used to monitor multiple Servers simultaneously. Access controls enable you to restrict the data which may be either viewed or modified by a particular user of the Cockpit.

A typical system may have multiple Cockpit installations for a number of users, each responsible for monitoring a particular set of business applications.

CommandCenter

The CommandCenter includes the Cockpit plus the ability to define Mapping Tables for integrating your business applications. The CommandCenter runs on a PC connected to the Server. For Tru64 UNIX

servers, the CommandCenter also includes a suite of applications for configuring and managing the Server. The CommandCenter may be used to manage one or more Servers simultaneously.

A typical system may have multiple CommandCenter installations for a number of users, each responsible for integrating a particular set of business applications, or for configuring and managing one or more Servers.

Digital DEC/EDI INTERCHANGE

For OpenVMS servers, the INTERCHANGE user interface provides commands for configuring and managing the Server, and for monitoring EDI transactions. The INTERCHANGE user interface runs on the same system as the Server.

Establishing the Configuration of Your System

Digital DEC/EDI supports a number of different system configurations, and you must determine the desired system configuration before proceeding with the installation of Digital DEC/EDI and its components.

The following section describes the supported configuration options, and directs you to the relevant parts of the Digital DEC/EDI documentation set that describe the installation of those options.

Supported Configurations

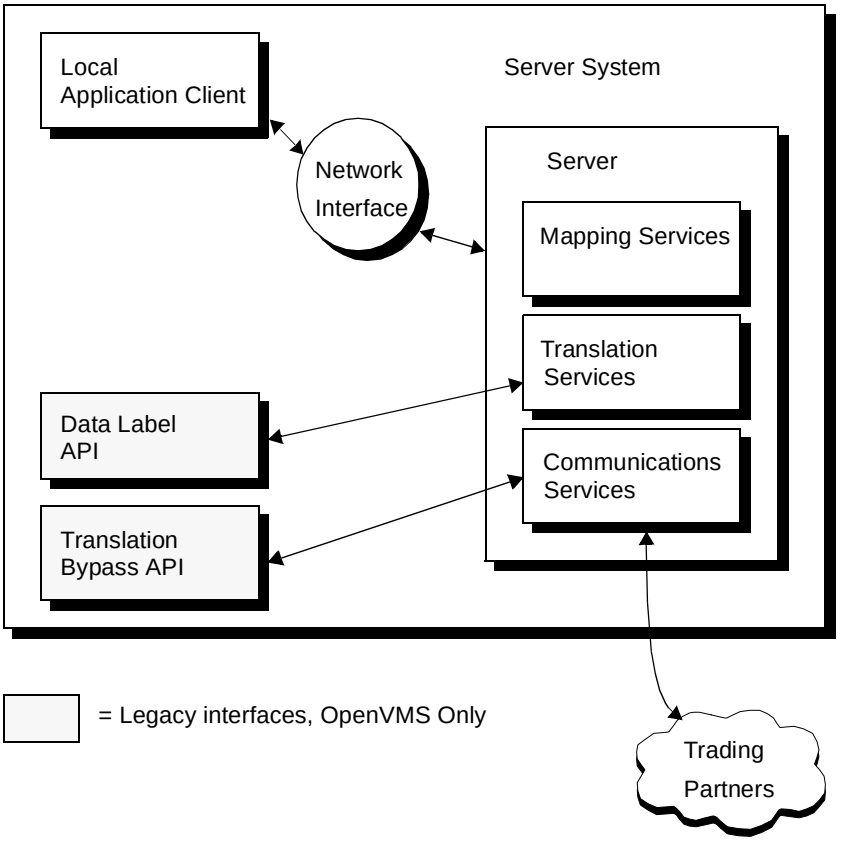
This section describes the supported configurations and interconnection options between the various components of Digital DEC/EDI.

Single Node System

Your business application runs on the same node as the Server, or you have a custom module which is responsible for transferring files to and from your business application. Your business application uses either the Application Client interface or one of the supported legacy interfaces (where available) to connect to the Server.

The following figure shows a typical single node system configuration:

Figure 1-1 Single Node System

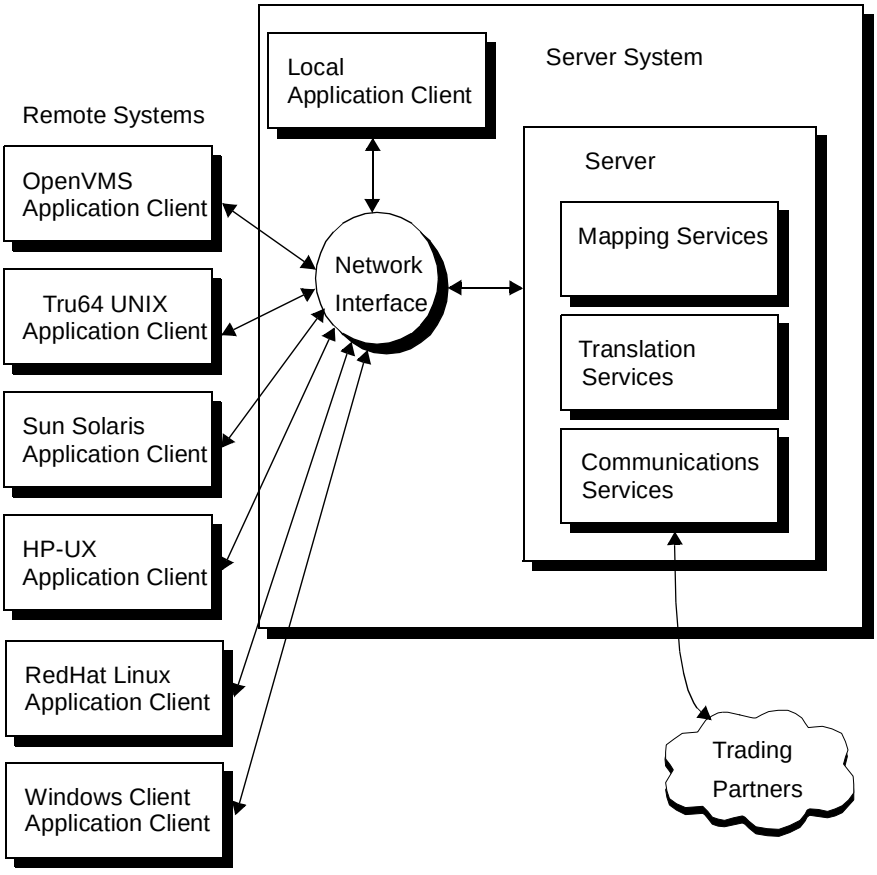


Multi-node Client/Server System

Your business application runs on a separate node from the Server and uses the Application Client interface to connect to the Server.

The following figure shows a typical multi-node Client/Server system:

Figure 1-2 Multi-node Client/Server system:



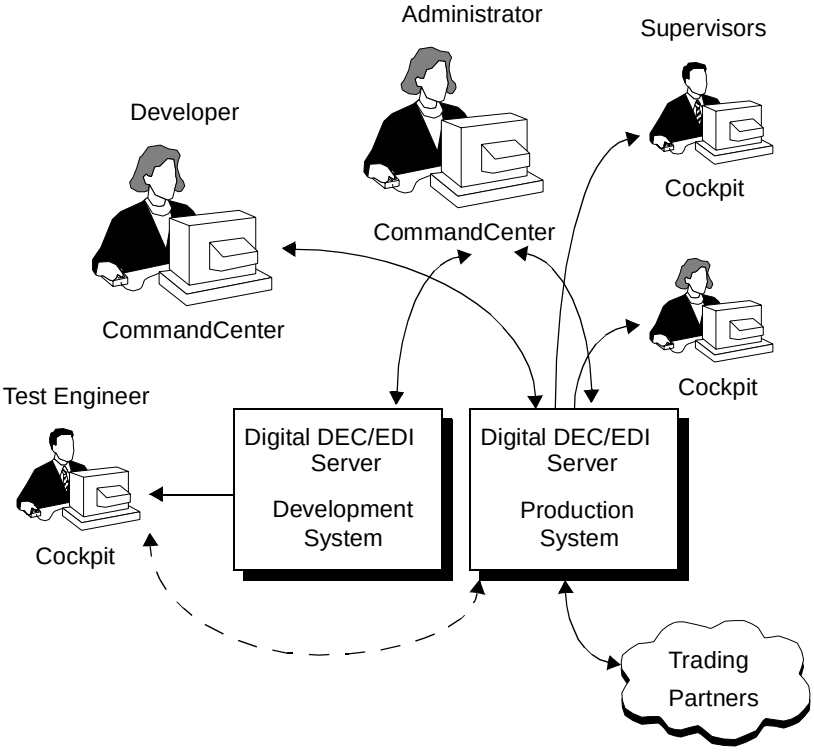
Cockpit and CommandCenter

In addition, you may install the Cockpit and CommandCenter GUI components on one or more PCs within the same network.

You may use the Cockpit and CommandCenter to monitor and configure one or more Server systems.

The following figure shows a typical configuration with several Cockpit installations and a CommandCenter installation communicating with multiple Servers:

Figure 1-3 Cockpit and CommandCenter Configuration



Server Configuration

This section describes the components that you need to install on the designated Server node.

Network Interface

The network interface provides the means to exchange files and data between the Application Client, Cockpit or CommandCenter and the Server. The Server can support multiple simultaneous connections using any of the available network interfaces.

Note: *A network interface is required even on a single node system, to support interprocess communication between the Application Client and the Server.*

OpenVMS

On an OpenVMS Server, you must select the following Network interface:

TCP/IP only The OpenVMS system must have Compaq TCP/IP Services for OpenVMS Services installed and configured.

Tru64 UNIX

On a Tru64 UNIX Server, you must select the following Network interface:

TCP/IP only The Tru64 UNIX system must be configured with the TCP/IP implementation supplied with Tru64 UNIX.

Database

The database provides the means of auditing application files, documents and transmission files processed by the Server system. On Tru64 UNIX, the database additionally provides the means of storing the Server configuration details.

OpenVMS

On an OpenVMS Server the following database components are required:

ORACLE Rdb You need to have a minimum of the run-time components licensed and installed.

ORACLE SQL/Services for Rdb This is required if you intend to use the Cockpit or CommandCenter to access the Server.

Tru64 UNIX

On a Tru64 UNIX Server you need to select the following database options:

ORACLE 8i ORACLE 9i You need to install ORACLE 8i/ORACLE 9i, and the required components to support the Cockpit and CommandCenter.

Server Software

OpenVMS

On OpenVMS, the VMSINSTAL command is used to install Digital DEC/EDI from the supplied media. To install the Server, you must select the server installation option.

The Server installation includes support for translation of ANSI X12, TDCC (UCS/WINS), EDIFACT, ODETTE and TRADACOMS standards, and industry-specific and trading partner specific variations of those standards.

Tru64 UNIX

On Tru64 UNIX, the **setld** command is used to install Digital DEC/EDI from the supplied media. You may select specific subsets to install, depending on the communications and translation options you require from the following:

X12 This includes support for translation of ANSI X12 transactions, and industry-specific and trading partner specific variations.

EDIFACT This includes support for translation of UN EDIFACT messages, and industry-specific and trading partner specific variations.

TRADACOMS This includes support for translation of TRADACOMS messages, and industry-specific and trading partner specific variations.

TDCC This includes support for translation of UCS/WINS transactions, and industry-specific and trading partner specific variations.

ODETTE This includes support for translation of ODETTE transactions, and industry-specific and trading partner specific variations.

Communication Options

Refer to *Server Communications Options* on page 1-11 for details of options available.

Digital DEC/EDI Message Updates

After installation of the Server system, you must install the versions of EDI standard dictionaries and messages that you require.

You are recommended to install at least the following standard and version, which is required for performing the basic system configuration tests described in this book:

EDIFACT Version 90.1

Application Client Configuration

This section describes the components you need to install on any Application Client nodes.

Network Interface

The network interface provides the means to exchange files and data between the Application Client and the designated Server node. The same network interface must be installed and configured on both the application client and server systems.

OpenVMS

On an OpenVMS Application Client node, you must select the following Network interface:

TCP/IP only The OpenVMS system must have Compaq TCP/IP Services for OpenVMS Services installed and configured.

Tru64 UNIX, Sun Solaris, HP-UX, Redhat Linux and Windows NT/2000/XP

On a Tru64 UNIX, Sun Solaris, Redhat Linux, Windows NT/2000/XP or HP-UX Application Client node, you must select the following network interface:

TCP/IP only The system must be configured with the TCP/IP implementation supplied with the operating system.

Application Client Software

OpenVMS

On OpenVMS, the VMSINSTAL command is used to install Digital DEC/EDI from the supplied media.

The installation procedure provides the option to install only the Application Client components.

Tru64 UNIX, Sun Solaris, HP-UX, Redhat Linux and Windows NT/2000/XP

On Tru64 UNIX, Sun Solaris and HP-UX, the **setld** utility, which is provided with the installation kit where required, is used to install Digital DEC/EDI from the supplied media. You must install the application client subsets.

Windows Client

On Windows NT/2000/XP, run the self extracting utility to install Digital DEC/EDI client from the supplied media.

RedHat Linux

On RedHat Linux, use the RPM package to install Digital DEC/EDI client from the supplied media.

Cockpit and CommandCenter Configuration

This section describes the components that you need to install on any PCs running Cockpit or CommandCenter.

The CommandCenter software includes the Cockpit, so you do not additionally need to install the Cockpit on those systems.

Network Interface

The network interface provides the means to exchange files and data between the Cockpit or CommandCenter and the Server.

The same network interface must be installed and configured on both the PC and server systems, however as the server can support multiple simultaneous transport types, you can use more than one type of network if needed.

Windows NT, Windows 2000, Windows XP

On Windows NT, Windows 2000 or Windows XP you must select the following Network Interface:

TCP/IP only The PC must be configured with a supported TCP/IP implementation.

Database Configuration (ODBC)

The Cockpit and CommandCenter use Open Database Connectivity (ODBC) to communicate with the Digital DEC/EDI database on the Server.

The Cockpit and CommandCenter may connect to multiple Servers, each of which may be using a different database. You must install the appropriate ODBC drivers and related software to support connection to the Digital DEC/EDI database on each of the Server systems.

OpenVMS

For connection to an OpenVMS Server, you must install the ODBC driver onto the PC.

ORACLE ODBC Driver for Rdb

You need to install the appropriate driver for the operating system you are running on the PC.

Tru64 UNIX

For connection to a Tru64 UNIX Server, you must install one of the following ODBC drivers, and related connectivity software on the PC:

You need to install ORACLE TCP/IP protocol adapter, ORACLE SQL*NET and the ORACLE 8i ODBC driver onto the PC.

Software Installation

Cockpit

Cockpit is supplied on CD-ROM for Windows NT, Windows 2000 and Windows XP.

CommandCenter

CommandCenter is supplied on CD-ROM for Windows NT, Windows 2000 and Windows XP.

Server Communications Options

The Server supports a number of communications options, and you must install any pre-requisite hardware or software prior to installing Digital DEC/EDI.

After installation, you must configure the communications components to enable Digital DEC/EDI to communicate with your trading partners.

This section outlines the communications options that are available:

OpenVMS

On an OpenVMS Server, all communications options are installed by the Server installation procedure. Each communications option, apart from the Import/Export gateway, requires a license for its use.

The following communications options are available:

X.400 Communication
For X.400 communications on both OpenVMS and Tru64, you only need the Mailbus 400 Client. If you are installing the Message Transfer Agent on the same system as DEC/EDI then please refer to the Mailbus 400 documentation for further details.

OFTP Communication
You need to install DECnet/OSI, and X.25 connector services.

Bisynchronous Communication
For Bisynchronous communications, you need to install the CLEO 3780Plus product together with SYNCcable+ and a compatible modem.

X.25 VAN Communication
For X.25 VAN communications with the TRADANET VAN, you need to install DECnet/OSI, and X.25 connector services.

Import/Export Communication
No additional licensing or software is required for use of the Import/Export gateway.

Tru64 UNIX

On a Tru64 UNIX Server, you may select specific communications subsets to install. Each communications option, apart from the Import/Export gateway, requires a license for its use.

The following communications options are available:

X.400 Communication
For X.400 communications on both OpenVMS and Tru64, you only need the Mailbus 400 Client. If you are installing the Message Transfer Agent on the same system as DEC/EDI then please refer to the Mailbus 400 documentation for further details.

OFTP Communication
You need to install X.25 connector services.

Bisynchronous Communication
For Bisynchronous communications, you need to install the CLEO 3780Plus product together with SYNCcable+ and a compatible modem.

Internet SMTP/MIME Communication
For Internet SMTP/MIME Communication, the **sendmail** must be installed, and configured correctly.

You may additionally wish to install a third party security or encryption product if communication over a public access network.

Import/Export Communication

Zero additional licensing or software is required for use of the Import/Export gateway.

Chapter 2 **Installation Activities**

This chapter provides pre-installation information.

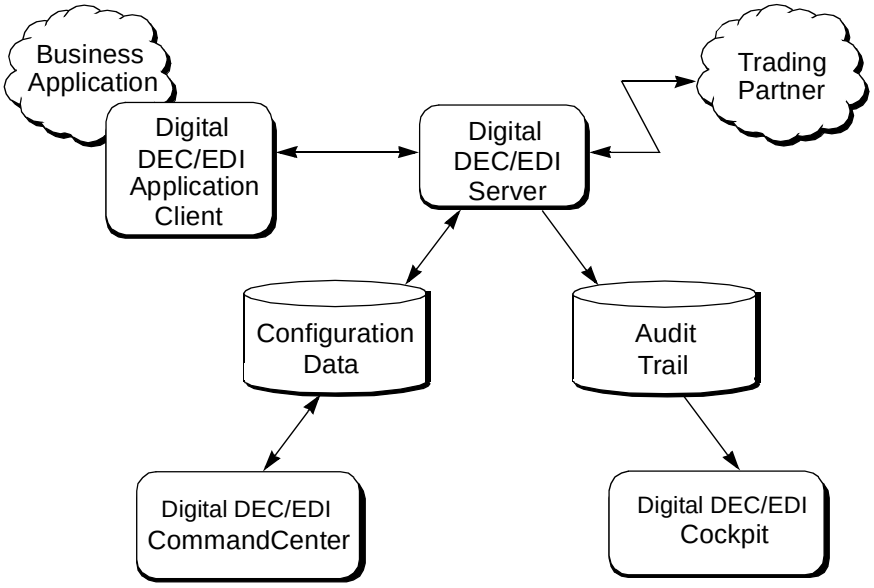
Introduction

The following pages show the Digital DEC/EDI Component Subsets. You should read through these pages and note which of the optional elements are required for your particular installation.

This information will be required during the Installation process described in Part 4.

1. Setting up the Server, and any Application Clients local to it (See *Setting Up the Server and Local Application Clients* on page 2-3).
2. Setting up any remote Application Clients, that is, those on different nodes to the Server (See *Setting Up Remote Application Clients* on page 2-4).
3. Setting up any CommandCenter installations (See *Setting Up the CommandCenter* on page 2-4).
4. Setting up any Cockpit installations (See *Setting Up the Cockpit* on page 2-5).
5. Using the CommandCenter or INTERCHANGE (OpenVMS) to configure the Server (See *Configuring the Server* on page 2-5).

Figure 2-1 Digital DEC/EDI System Components



The first four tasks establish the Digital DEC/EDI system as a network of components. These activities are done only once, or repeated infrequently, for example, when you want to bring another node into the system.

The final task deals with the detailed configuration of the Server. This may need more regular maintenance, for example, as you add new Trading Partners and applications.

These separate stages are outlined in the following sections. The individual activities are listed for each task, along with the Digital DEC/EDI book where the activity is described in more detail.

The majority of these activities need to be performed in all Digital DEC/EDI systems where normal routing is used. Where either bypass or application-to-application routing is deployed, some of the Server configuration activities may not be needed, such as Translation services, and in the case of application-to-application routing, the Communications services.

Likewise, the activities to install and configure remote Application Clients are needed only where you have a need to use such clients (as opposed to Application Clients located on the same node as the Server).

Setting Up the Server and Local Application Clients

This task covers the physical installation of the Digital DEC/EDI software and any necessary prerequisite software. It also covers the initial configuration of the software sufficient to create the database, and configure the Network Interface for use by Digital DEC/EDI.

The following list summarizes the steps to be performed on the Server node, the details are provided in the chapters detailed below:

Chapter 5 *UNIX - Installation of Digital DEC/EDI Server and Application Client*

Chapter 6 *OpenVMS - Installation of Server and Client*

Chapter 9 *Installing Digital DEC/EDI Cockpit and CommandCenter*

1. Install Digital DEC/EDI product licenses, including CommandCenter license
2. Install and verify prerequisite software
3. *(UNIX only)* Create a `decedi` account for Digital DEC/EDI to use
4. Install and verify Digital DEC/EDI software
5. Create the database
6. Register Digital DEC/EDI with Network Interface
7. Configure Network Interface for remote access by Application Clients, Cockpit and CommandCenter
8. Create user accounts for database access by users of Cockpit and CommandCenter
9. Grant access to database for user accounts
10. *(Oracle® Rdb™ only)* Configure SQL/Services™ for database access by users of Cockpit and CommandCenter

Setting Up Remote Application Clients

This task covers the physical installation and configuration of any Digital DEC/EDI Application Clients on nodes remote from the Server.

The following list summarizes the steps to be performed on each separate node running an Application Client, the details are provided in the chapters detailed below:

Chapter 5 *UNIX - Installation of Digital DEC/EDI Server and Application Client*

Chapter 6 *OpenVMS - Installation of Server and Client*

The procedure is defined in the following list:

1. Install and verify prerequisite software
2. *(UNIX only)* Create a `decedi` account for Digital DEC/EDI to use
3. Install and verify Digital DEC/EDI software
4. Register Digital DEC/EDI with Network Interface
5. Configure Network Interface for remote access by Digital DEC/EDI Server

Setting Up the CommandCenter

This task covers the installation and configuration of the Digital DEC/EDI CommandCenter on a PC. Because the CommandCenter also contains a copy of the Digital DEC/EDI Cockpit, this task also covers that component where it is installed as part of the CommandCenter.

The following activities need to be performed on each PC where the CommandCenter is to be used, the details are provided in the chapter detailed below:

Chapter 9 *Installing Digital DEC/EDI Cockpit and CommandCenter*

1. Install and verify prerequisite software
2. Install CommandCenter software

3. Define the main Server that CommandCenter is to access
4. Verify CommandCenter link to the Server

Setting Up the Cockpit

This task covers the installation and configuration of the Digital DEC/EDI Cockpit on a PC where it is installed separately from the CommandCenter. The following activities need to be performed on each PC where the Cockpit is to be used, the details are provided in the chapter detailed below:

Chapter 9 *Installing Digital DEC/EDI Cockpit and CommandCenter*

1. Install and verify prerequisite software
2. Install Cockpit software
3. Define the main Server that Cockpit is to access
4. Verify Cockpit link to the Server

Configuring the Server

This task covers the configuration of the Digital DEC/EDI Server and the development and integration of the business applications that **post** data to, and **fetch** data from the Server. The following activities need to be performed on each Server and the details are provided in the chapters detailed below:

Chapter 5 *UNIX - Installation of Digital DEC/EDI Server and Application Client*

Chapter 6 *OpenVMS - Installation of Server and Client*

1. Select which Translation and Communications Services are to run
2. Define the EDI documents to be exchanged with your Trading Partners
3. Develop or modify your business applications
4. Develop Mapping Tables for your business applications

5. Register your business applications with Digital DEC/EDI, and the nodes on which they run
6. Configure your communications links
7. Define your Trading Partner agreements
8. Start the Digital DEC/EDI system

Part I Network Configuration

This part describes the configuration, installation and verification of the network components.

Introduction

Describes installation of the network components, covering the following topics:

- TCP/IP
- Verifying the network.

Intended Audience

The audience is the network administrator for the following:

- Digital DEC/EDI Server node
- Digital DEC/EDI Application Client node(s).

Chapter 3 Configuring the Network Interfaces

This chapter describes how to configure the Digital DEC/EDI network interfaces.

Introduction

The Digital DEC/EDI Server can support connection from local and remote application clients, and remote PC's running the Digital DEC/EDI Cockpit or CommandCenter. The following network interfaces are supported for connection to the Digital DEC/EDI Server:

Tru64 UNIX and OpenVMS Server

- TCP/IP Network Interface

  The network interface is provided through a direct TCP/IP connection between the client and the server. This supports Windows 95, NT and XP.

The Digital DEC/EDI Server may be configured to support simultaneous connections using one or more of these network interfaces.

You must install and configure the Digital DEC/EDI Server network interface prior to configuring the client interfaces.

Configuring the Digital DEC/EDI Server

This section describes how to configure the network interface on the Digital DEC/EDI Server, and how to set up the local application client to use the network interface.

TCP/IP Network Interface

This section describes how to configure the TCP/IP network interface on the Digital DEC/EDI Server.

Pre-Configuration tasks

Prior to configuring the TCP/IP network interface, you should verify that the TCP/IP protocol is installed and is functioning correctly.

Tru64 UNIX

For example, this may be achieved by verifying that the host name of the computer you are installing on is registered with a local domain name server:

```
# nslookup ‘hostname‘
Server:  dnsserver.company.com
Address:  1.20.30.4

Name:    mynode.company.com
Address:  1.20.30.124
```

Alternatively, you may use the *ping* command to verify that the computer may connect to another node within the same network. Press CTRL+C to stop the *ping* command.

```
# /sbin/ping clientnode.company.com
PING clientnode.company.com (1.20.30.101): 56 data bytes
64 bytes from 1.20.30.101: icmp_seq=0 ttl=128 time=0 ms
64 bytes from 1.20.30.101: icmp_seq=1 ttl=128 time=0 ms
<CTRL-C>

----1.20.30.101 PING Statistics----
3 packets transmitted, 3 packets received, 0% packet loss
round-trip (ms)  min/avg/max = 0/0/1 ms
#
```

OpenVMS

The TCP/IP protocol must be provided by DIGITAL TCP/IP Services.

You may verify that this has been installed correctly by running the Installation Verification Procedure for DIGITAL TCP/IP Services:

```
$ @sys$test:TCPIP$ivp.com

%%% TCPIP IVP: started %%%

UDP/IP test started at 18-JUL-1997 11:33:27.63
UDP/IP test ended at 18-JUL-1997 11:33:39.12
UDP/IP transferred successfully in 11 seconds 4198400 bytes
```

```
TCP/IP test started at 18-JUL-1997 11:33:39.17
TCP/IP test ended at 18-JUL-1997 11:33:48.04
TCP/IP transferred successfully in 8 seconds 4198400 bytes

RAW_IP test started at 18-JUL-1997 11:33:48.08
RAW_IP test ended at 18-JUL-1997 11:33:49.25
RAW_IP transferred successfully in 1 seconds 251000 bytes

%%% TCPIP IVP: completed successfully %%%
```

Configuration Tasks

Tru64 UNIX The Digital DEC/EDI Server configuration consists of the following steps:

Step 1: From the *root* account, use the *decedi_config* command, and select the option to configure the TCP/IP Client-Server link.

This procedure assigns the TCP/IP port numbers on which the Digital DEC/EDI Services will listen for and handle incoming client requests. This assigns unique port numbers for the Digital DEC/EDI Services within the TCP/IP services file */etc/services.*

```
# decedi_config

1.      Configure TCP/IP Client-Server Link
2.      Configure database
3.      Configure Memory Queues
4.      Exit Configuration

Select option [4] : 1

Configuring the TCP/IP Client-Server link

Press <Return> to continue.

1.      Configure TCP/IP Client-Server Link
2.      Configure database
3.      Configure Memory Queues
4.      Exit Configuration

Select option [4] : 2
```

Configuring Database

Compaq DEC/EDI no longer contains a fixed database configuration utility. Instead, customers are encouraged to create

their own databases using the Oracle 8i or later database environment. Required schemas and example configuration scripts are available in the /var/adm/decedi/db directory.

This configuration procedure simply gathers the information from you on how to connect to your database.

Please make sure you have created and tested your database before running this option.

```
Do you want to continue (y/n) [n] : y
Enter the database environment to be used (Ora) [Ora] :
Enter the local ORACLE HOME directory [] :
 /usr/app/oracle/product/8.1.6
Enter the Compaq DEC/EDI database's TNS name
 [ediot_decedidb.world] :
Enter the Oracle Username and Password
 (username/password) :

Verifying database connectivity ...

Database access verified and saved.

Press <Return> to continue.

1.      Configure TCP/IP Client-Server Link
2.      Configure database
3.      Configure Memory Queues
4.      Exit Configuration

Select option [4] : 3

Configuring Memory Queues


Enter the number of slots to hold in memory (10000-
 >300000) [10000] : 20000

Verifying memory availability...

New queue size verified and saved.

Press <Return> to continue.
```

Step 2: Note down the TCP/IP port numbers that have been assigned to each of the Digital DEC/EDI Services in *Step 1* using the

following table:

Table 3-1 Digital DEC/EDI Services TCP/IP Port Numbers

Purpose	Service Name	Enter your Port Number here
Digital DEC/EDI Post/Fetch Server	decedi_csf	
Digital DEC/EDI Tracking Server	decedi_cst	
Digital DEC/EDI GUI Server	decedi_csg	

You may need to specify these values when configuring any remote application clients or setting up any Cockpit or CommandCenter installations to use the TCP/IP network interface.

Step 3: You are asked whether you wish to use the TCP/IP link for local client access, for example:

Do you wish to use TCP/IP for local client access ? [y or n] y

TCP/IP Configuration Complete

Press <Return> to continue.

You have to copy the template file /var/adm/decedi/decedi_servers.template to /var/adm/decedi/decedi_servers.dat and add the '* LOCAL' the same as OpenVMS as shown on page 3-6.

This ensures that any local applications will use the local Digital DEC/EDI Server to handle client requests.

For further information on specifying the use of another Digital DEC/EDI Server node to handle client requests, refer to *Configuring the Digital DEC/EDI Application Client* on page 3-14

Post-Configuration Tasks

Once you have configured the network interface, you may start up Digital DEC/EDI. This enables the Digital DEC/EDI Cockpit and CommandCenter, running on a suitably configured PC, to access the Digital DEC/EDI Server.

Tru64 UNIX

If this is a new installation then you need to copy the file /var/adm/decedi/decedi_servers.template to /var/adm/decedi/decedi_servers.dat. Edit the file and add name of any DEC/EDI Servers and their backups to use and the name of the application Ids (or a * for all) that should use these servers.

Note that if you are configuring on a TruCluster Server or on a client that will use a TruCluster Server enabled DEC/EDI Server, you should use the Cluster Alias rather than the LOCAL name or the name of a node in the cluster.

OpenVMS

Once you have configured the Digital DEC/EDI Server, you may start up the Digital DEC/EDI Server, using the following command:

```
$ @SYS$STARTUP:DECEDI$STARTUP
```

For Further Information

There are a number of logical names or environment variables which may be used to tune the behaviour of the TCP/IP network interface, and to monitor the network traffic and processes.

For further information on the use of these environment variables and logical names, refer to the *Digital DEC/EDI: User's Guides (Tru64 UNIX and Open VMS).*

TCP/IP Port Server Monitoring Tools

There is now an additional tool which allows the TCP/IP Port server and its child process to be monitored and which can tell the Port Server to re-cache the control environment variables whilst it is running. This is useful when you want to change the tracing behaviour or increase the number of maximum child processes.

The tool name is:

OpenVMS @DECEDI$TOOLS:DECEDI$PS_CONTROL

Configuring the Digital DEC/EDI Application Client

This section describes how to configure the network interface on the Digital DEC/EDI Application Client, along with any steps that need to be performed on the Digital DEC/EDI Server, to enable connection from the remote application client.

The Digital DEC/EDI Application Client may be configured using the TCP/IP network interface.

TCP/IP Network Interface

This section describes how to configure the TCP/IP network interface on the Digital DEC/EDI Application Client.

The TCP/IP network interface may be used for connection from the following Digital DEC/EDI Application Client releases:

- Digital DEC/EDI for Tru64 UNIX, Version 4.0
- Digital DEC/EDI for OpenVMS Alpha, Version 4.0
- Digital DEC/EDI Application Client for Sun Solaris, Version 4.0
- Digital DEC/EDI Application Client for HP-UX, Version 4.0
- Digital DEC/EDI Application Client for RedHat Linux, Version 4.0
- Digital DEC/EDI Application Client for Windows NT/2000/XP, Version 4.0

The Application Client may be configured to connect to one or more Digital DEC/EDI Server systems, selected by application name, or to a default Digital DEC/EDI Server.

In addition, one or more failover Digital DEC/EDI Servers may be specified to handle client requests, if the primary Digital DEC/EDI Server is not currently available.

Pre-Configuration tasks

Prior to configuring the TCP/IP network interface, you should verify that the TCP/IP protocol is installed and is functioning correctly.

Step 1: Ensure that any Digital DEC/EDI Servers that will service requests from the application client have been configured to support the TCP/IP network interface as described in *TCP/IP Network Interface* on page 3-2.

Step 2: Verify that the TCP/IP connection between the application client and the server nodes is functioning correctly. For example, this may be achieved by using the *ping* command as follows:

Tru64 UNIX, Sun Solaris, HP-UX, RedHat Linux

```
# ping myserver.company.com
PING myserver.company.com (1.20.30.101): 56 data bytes
64 bytes from 1.20.30.101: icmp_seq=0 ttl=128 time=0 ms
64 bytes from 1.20.30.101: icmp_seq=1 ttl=128 time=0 ms
<CTRL-C>

----1.20.30.101 PING Statistics----
3 packets transmitted, 3 packets received, 0% packet
 loss
round-trip (ms)  min/avg/max = 0/0/1 ms
```

OpenVMS

```
$ TCPIP
TCPIP> PING myserver.company.com
%TCPIP-I-LOOPACT, myserver.company.com is alive
```

Windows NT/2000/XP

```
C:\WINNT\SYSTEM32> ping myserver.company.com

Pinging myserver.company.com [1.20.30.101] with 32
 bytes of data:

Reply from 1.20.30.101: bytes=32 time<10ms TTL=64
Reply from 1.20.30.101: bytes=32 time<10ms TTL=64
Reply from 1.20.30.101: bytes=32 time<10ms TTL=64
Reply from 1.20.30.101: bytes=32 time<10ms TTL=64
```

Configuration Tasks

Tru64 UNIX, Sun Solaris, HP-UX, RedHat Linux,

The Digital DEC/EDI Application Client configuration consists of the following steps:

Step 1: From the *root* account, use the *decedi_config.sh* command, and select the option to configure the TCP/IP Client-Server link.

This procedure sets up the TCP/IP port numbers that are used on the Digital DEC/EDI Server for handling incoming client requests. The port numbers are defined within the TCP/IP services file */etc/services.*

Tru64 UNIX

```
# /usr/sbin/decedi_config.sh
```

Sun Solaris, HP-UX, RedHat Linux

```
# /usr/bin/decedi_config.sh
Configuring the TCP/IP Client-Server link

 To supply the server node information, create a file:
      /var/adm/decedi/decedi_servers.dat
 Use the template,
/var/adm/decedi/decedi_servers.template .

Do you wish to use TCP/IP for local client access ? [y
 or n]
```

Step 2: The TCP/IP port numbers specified on the client must match those defined on the Digital DEC/EDI Server. The port numbers as specified in the decedi_servers.dat override the values as specified in the services file on the server.

If the TCP/IP port numbers differ, edit the values stored in the file */etc/services*, so that the same values are used for all client and server installations within the same network.

Step 3: Specify the default Digital DEC/EDI Server that should be used for handling requests from the application client.

Copy the template file */var/adm/decedi/decedi_servers.template* to the file */var/adm/decedi/decedi_servers.dat*, as follows:

```
# cp /var/adm/decedi/decedi_servers.template \
  /var/adm/decedi/decedi_servers.dat
```

Edit the file */var/adm/decedi/decedi_servers.dat* and add the following line to the end of the file. For example, if the server node name is *myserver.company.com*.

```
* myserver.company.com ! default Digital DEC/EDI Server
```

OpenVMS The Digital DEC/EDI Application Client configuration consists of the following step:

Step 1: Specify the default Digital DEC/EDI Server that should be used for handling requests from the application client.

Copy the Digital DEC/EDI Servers template file *DECEDI$DATA:DECEDI_SERVERS.TEMPLATE*, to the file *DECEDI$DATA:DECEDI_SERVERS.DAT*, as follows:

```
$ COPY DECEDI$DATA:DECEDI_SERVERS.TEMPLATE -
   DECEDI$DATA:DECEDI_SERVERS.DAT
```

Edit the file *DECEDI$DATA:DECEDI_SERVERS.DAT* and add the following to the end of the file. For example, if the server node name is *myserver.company.com*.

```
* myserver.company.com ! default Digital DEC/EDI Server
```

Post-Configuration Tasks

If you wish, you may add additional Digital DEC/EDI Server definitions and specify which application names should access those servers. These must be placed within the Digital DEC/EDI Servers definition file prior to the line specifying the default Digital DEC/EDI Server.

Tru64 UNIX Edit the file */var/adm/decedi/decedi_servers.dat*

OpenVMS Edit the file *DECEDI$DATA:DECEDI_SERVERS.DAT*

In the following example, the applications DEC-DIRECT-UK-LTD and SHINY-NEW-SYSTEMS both use the primary Digital DEC/EDI Server on node *myserver.com*. In the event that the Digital DEC/EDI Server is unavailable, the backup Digital DEC/EDI Server on node *backup.com* is used.

The application JOLLY-OLD-SYSTEMS uses the Digital DEC/EDI Server on node *edidev* as the primary Digital DEC/EDI Server. If this is unavailable, the backup server on *edidev2* is tried, followed by *edidev3*.

All other applications in this example use the primary server *edigate.com* and have no backup Digital DEC/EDI Server.

```
DEC-DIRECT-UK-LTD myserver.com backup.com:5150:5151
SHINY-NEW-SYSTEMS myserver.com backup.com:5150:5151
JOLLY-OLD-SYSTEMS edidev edidev2 edidev3:5150:5151
* edigate.com:5150:5151 ! default Digital DEC/EDI Server
```

The format of a line as specified in the decedi_servers.dat file is as follows:

Application-id, server name, fallback server-name ..., port-id of decedi_csf process, port-id of decedi_cst process. The sever name and the port-ids of 2 processes are seperated by semi-colon. DEC/EDI by default picks up these values and assigns them as the port-ids of decedi_csf and decedi_cst processes. If these values are missing from the file, DEC/EDI picks up the default values from the services file on the server.

For Further Information

There are a number of logical names or environment variables which may be used to tune the behaviour of the TCP/IP network interface, and to monitor the network traffic and processes.

For further information on the use of these environment variables and logical names, refer to the *Digital DEC/EDI: User's Guides (Tru64 UNIX and Open VMS).*

Part II Database Administration

This part describes the configuration and installation of the database components.

Intended Audience

The audience for this part is the database administrator for the following:

- Digital DEC/EDI Server node
- PC's running Cockpit or CommandCenter

Describes installation of the database components, covering the following:

- Oracle Rdb
- Oracle 8i
- ODBC
- SQL network drivers.

Chapter 4 Configuring the Database

This chapter describes the configuration of the database on the Server node by the Database Administrator.

Overview

Configuration takes place in two stages. In the first stage, the connectivity software which links the Application Client to the Server, or the Cockpit/ CommandCenter to the Server is initialized. In the case of the Server this phase will also include creating the Digital DEC/EDI database and allowing access to it from the CommandCenter.

The second phase of configuration is the detailed configuration of the Server by using the CommandCenter which is described in Chapter 9 *Installing Digital DEC/EDI Cockpit and CommandCenter.* The alternative is to configure using INTERCHANGE when installed on OpenVMS servers.

This chapter describes the first of these stages.

Account Privileges

Tru64 UNIX

Note that many of the activities described in this section that involve running `decedi_config`, assume you have access to the `root` account on the Server node.

Open VMS

You will need an account with full system manager privileges.

Configurations Covered

The following configurations are covered

- Tru64 UNIX Oracle 8i
- OpenVMS Alpha Oracle Rdb

Setting Up Process

The setting up process which happens after the chosen database application has been installed, has two parts as shown below:

- A - Decision process for location of the database
- B - Creation of the database

A - Deciding Where to Locate the Database

When locating the database it is important that a location with sufficient resource is chosen. A badly located database can significantly reduce the performance of a Server, meaning you need to consider the disk space and room for expansion. Factors that can decrease the performance are further detailed later in *Performance Limiting Aspects* on page 4-5.

Oracle 8i

You need to specify a directory location on disk with enough spare disk space. We recommend a minimum of 512 MB for the Oracle8i database.

Typical Example

As an example, a user system which processes a 500 maps per weekday, generating or consuming 500 EDI documents which in turn go to, or come from 100 communications transmission files using two EDI standards, and where secondary archiving is done once a week, the calculation is as follows. We assume that be the end of the day all live documents are processed, so peak live size is peak daily rate, whilst the peak archive size is the cumulation of the five-day week's worth of data.

The calculation includes some contingency, so that we double the peak live counts in case everything fails due to some disaster and we take a day to fix it, and we double the archive size in case we forget one weekend to do the secondary archive.

We also double the number of standards we use to cater for near term expansion.

So, we end up with a calculation of:

```
maximum size = 18MB + (((maximum size -18MB) * 3) / 10) +
               (1000 + 5000) * 0.003 MB +
               (1000 + 5000) * 0.0015 MB +
               (200 + 1000) * 0.003 MB
               4 * 5MB;
             = 85 MB (approximately)
```

Having worked out the size, find a suitable directory, which resides on a disk with sufficient free space, and create a database directory for it. Set the ownership of this directory to be the main Oracle account.

The main Oracle account is the account under which this instance of the Oracle 8i RDBMS software was installed. For standard Oracle installations this is `oracle` by default, or if installed on behalf of another application it could be `ora<application prefix>` , for example `orapd1`.

Note that the database size can be increased later by adding extra datafiles to the relevant tablespaces if a particular tablespace becomes full.

NFS mounted disks

Digital does not recommend placing the database for Digital DEC/EDI onto an NFS mounted disk.

Access.

The database account needs to have write access to the directory where your database is to be created.

OpenVMS Oracle Rdb

If you are on OpenVMS then Oracle Rdb will provide your database, and it will be created on the device on which you have elected as Digital DEC/EDI's top level directory. The default database is created of approximately 20 Mbytes in size which will allow it to hold information for:

Number of documents in the Current Audit Trail	1000
Number of documents in the Archive Audit Trail	1000
Number of transmission files in the Current Audit Trail	1000
Number of transmission files in the Archive Audit Trail	1000

The tables within the database will automatically extend when you store more data in them that the original configuration can hold, but performance will be reduced the more the database becomes extended.

Should the database become too small or if you wish to move the database to another device then a tool, DECEDI$TOOLS:DECEDI$TAILOR.COM, is provided to help you with this.

Performance Limiting Aspects

Disk Speed. The performance of your Server can easily be limited by the speed of access to the Digital DEC/EDI database. This means that you should avoid placing the database on slow disks.

I/O Bottlenecks. During the software installation, you specified one or more disk locations for your store directories. These are directories used to hold the actual document and transmission files. By placing the database on a different physical disk to those holding store directories, you help to avoid the performance of individual disks being a bottleneck on overall system performance.

NFS Mounted Disks Digital does not recommend placing the database for Digital DEC/EDI onto an NFS mounted disk.

Access. The database account needs to have write access to the directory where your database is to be created.

B - Creating the Database

OpenVMS

The Digital DEC/EDI database is created during the installation process.

Typical Oracle Rdb Example

A typical installation detail example is provided below:

```
================================================
The following versions of Rdb/VMS are available:
        V7.0-3
* Please enter the Rdb/VMS version to be used by Digital
DEC/EDI [V7.0-3]:
```

At this point the installation will list the installed databases. The default is selected by pressing <RETURN>, should you need to use one of the alternates (when available) enter the version as displayed followed by <RETURN>.

The example continues below assuming acceptance of the default:

```
Current PROCESS Oracle Rdb environment is version V7.0-3
(STANDARD)
Current PROCESS SQL environment is version V7.0-3
(STANDARD)Current PROCESS Rdb/Dispatch environment is
version V7.0-3 (STANDARD)
```

Database Version

It is essential that the database version on your system is the same as that used by Digital DEC/EDI.

Use the following command to establish the version currently in use:

```
$@sys$library:rdbvms_shover
```

To set the version, use the following command:

```
$@sys$library:rdbvms_setver
```

For example, to set the version to V7.0, use the following command:

```
$@sys$library:rdbvms_setver v70
```

Migrating the Database

If you are installing Digital DEC/EDI over a previous version then the database structure needs migrating to the new structure.

OpenVMS

The Digital DEC/EDI database will normally be migrated during the installation process.

Creating User Accounts for Database Access

Each PC running either the CommandCenter or the Cockpit accesses the Digital DEC/EDI database on the Server via ODBC™ on the PC. This needs to happen through an account on the Server.

You can have a single account for all users of the CommandCenter and the Cockpit, or you can have individual accounts for each separate user of either PC product. Having a single account is easier to set up and maintain, and though inherently less secure, allows you to be more selective about what individual users can access.

Digital DEC/EDI Access Control Editor

This application, which is provided with the CommandCenter/Cockpit, enables you to define which users may access which data and the level of their access to the CommandCenter.

Tru64 UNIX Oracle 8i

Oracle 8i maintains its own usernames and passwords. It can also support server accounts and passwords, but as these apply only when making requests from the server, they are of no value to CommandCenter and Cockpit users.

When you start any of the CommandCenter editors or the Cockpit, the account and password you are asked to specify are those of the user accounts you have now created on the Server.

OpenVMS Oracle Rdb

You create a user account on the Server by using the OpenVMS AUTHORIZE utility. You should do this from the ‘system’ account or another highly privileged account.

Oracle User Registration

Tru64 UNIX

All GUI users who log in, access an account on the Server machine which is authorized to access the database.

Oracle 8i is different in that it takes the username as being local to the machine from which the request was made; the GUI PC. This type of treatment reduces the effectiveness of the logging in procedure.

To deal with this situation, you (as system administator) need to create user accounts *within* the Digital DEC/EDI Oracle database. PC users can then use those accounts to access the database.

OpenVMS

Oracle SQL Services provides a number of mechanisms by which access to a database can be granted or revoked. By default, the Digital DEC/EDI database is protected via OpenVMS ACLs. To allow a user to access the Digital DEC/EDI databases, the Digital DEC/EDI INTERCHANGE command should be used to add the user. This in turn grants the user's account the correct ACLs to allow access to the Digital DEC/EDI database.

Configuring the Database Network Connectivity

OpenVMS Oracle SQL Services

By default, when you install Oracle SQL Services it will create a class for the version of software you have installed for instance, if installing Oracle Rdb V5.1 then a 'V51' class will be automatically configured. As long as this class used by the CommandCenters and Cockpits trying to access the database then no further configuration is required.

Options are: GENERIC, V51, V60, V61. Specify GENERIC if you have standard SQL Services installed on your OpenVMS Server. Specify one of the other options if you have multi-version SQL installed, to tell it which version to use.

Tru64 UNIX Oracle 8i

As part of creating the Digital DEC/EDI Oracle 8i database, the following was reported:

```
**************************************************
Default oracle network templates have been generated
in /userb/oracle/db/. The files being:
listener.ora
tnsnav.ora
tnsnames.ora
These files should be merged with those already on this server
(in /etc), and those residing on any PC wishing to use the
CommandCenter or Cockpit to access this server.
```

This needs to be done, and the Oracle 8i TNS listener re-started for these to take effect.

Part III Software Installation

This part describes the software installation onto a variety of platforms.

Introduction

Installation of the following software is covered:

- Client/Server or Client software
- Message Updates
- CommandCenter and Cockpit.

Intended Audience

The audience of this part is the system manager or administrator of the following:

- Digital DEC/EDI Server node
- Digital DEC/EDI Application client node(s)
- PCs running CommandCenter and/or Cockpit

Supported Platforms

This part also includes installation of the following on the Digital DEC/EDI Server node:

The following servers running Digital DEC/EDI are covered

- OpenVMS
- Tru64 UNIX

The following clients running Digital DEC/EDI are covered:

- OpenVMS
- Tru64 UNIX
- Sun Solaris
- HP-UX
- RedHat Linux
- Windows NT/2000/XP

The following operating systems on PCs running CommandCenter and/or Cockpit are supported:

- Windows NT/2000/XP

Chapter 5 UNIX - Installation of Digital DEC/EDI Server and Application Client

This chapter describes the preparation for and installation of Digital DEC/EDI Server and Application Client by the System Manager or Administrator, onto a Tru64 UNIX platform.

Introduction

This chapter is divided into sections as shown below:

- *Preparing to Install Digital DEC/EDI* on page 5-1.
- *Installing Digital DEC/EDI* on page 5-13.
- *Post-Installation Configuration* on page 5-19.
- *Configuring DEC/EDI V4.0 Server and Client* on page 5-28.
- *Setting up the DEC/EDI Server Memory Queues* on page 5-32.

Preparing to Install Digital DEC/EDI

Before attempting to proceed with the instructions contained within this book you should be familiar with the contents of Digital DEC/EDI Introduction and have decided on which components will be installed on thisand any other nodes.

Before attempting to install Digital DEC/EDI software on your system, complete the preparation requirements outlined in Chapters 1 and 2. You will need the Installation Checklist prepared from Chapter 2 to complete the preparation and installation described in this chapter.

This section describes the activities that must be completed before starting the installation:

- *Online Release Notes* on page 5-2.
- *Installation Pre-requisites* on page 5-2
- *Registering Your Software Licenses on Compaq Systems* on page 5-9
- *Checking the Software Distribution Kit* on page 5-11.
- *Running the Installation Procedure* on page 5-15.
- *Deleting Digital DEC/EDI from Your System* on page 5-36.

Online Release Notes

Digital DEC/EDI provides online release notes. Digital strongly recommends that you read the release notes before using the product. The release notes contain information about changes to the application that are not included in the standard published documentation set.

The release notes for Digital DEC/EDI will be placed in the following location after installation:

`/usr/doc/DECEDI400.release_notes.`

Installation Pre-requisites

The following steps are required before attempting to install DEC/EDI V4.0 on Tru64 UNIX systems.

Make sure that you have installed the following hardware and software on the system before attempting to install DEC/EDI V4.0.

- Your AlphaServer must have at least 256MB of physical memory. Compaq also recommends a minimum of 4GB of disk space in the /var area for the day-to-day operation of DEC/EDI. Note that you can distribute this requirement across several disks using procedures described in the Configuration section of this chapter. You should

carefully monitor the space usage to ensure that you do not run out of disk space.

- Compaq Tru64 UNIX V5.1 [OSFBASE510] or later.
- Compaq Fortran RTL #388 for Compaq Tru64 UNIX Alpha Systems [DFARTL388] or later.
- Compaq Pascal RTL V5.7-23 for Tru64 UNIX Systems [DPORTL570] or later (DEC/EDI Server Only).
- Compaq TruCluster Base Components [TCRBASE510] or later for TruCluster Server enabled DEC/EDI Server environments (DEC/EDI Server Only). If you are installing on a TruCluster Server environment and you wish to run the DEC/EDI Server on multiple systems in the cluster as a single DEC/EDI Server instance (i.e. all systems share the work rather than each has their own set of work items) that the Memory Channel hardware environment has been installed and is operational.
- T64V51AS0003-20010521 (or later) Aggregate Patch Kit for Tru64 UNIX V5.1.
- Oracle 8i/Oracle 9i database server with patch kit 2 which is listed in the Oracle Installer as 8.1.6.2.0 (DEC/EDI Server Only). DEC/EDI maintains auditing and configuration information in an Oracle database.
- X.25 Base Component (X.25 for Digital UNIX Components) [XXAACC312] or later for OFTP communications (DEC/EDI Server Only).

Note: *On a TruCluster Server installation, you must change the /var/dna directory to a CDSL to enable X.25 to run on all nodes of the cluster. Install the WAN components kit and then use the 'mkcdsl –a /var/dna' command before running wansetup or decnetsetup. Compaq strongly recommends that you engage a Compaq Networking consultant to assist you with this configuration.*

- MAILbus 400 MTA Base (Digital UNIX) [MTAABASE202] and client [MTAACLNT202] or later for X.400 communications (DEC/EDI Server Only). If you are running the Message Transfer Agent on the same

system then further subsets and products are required. See the Mailbus 400 documentation for further details.

- CLEO 3780Plus Synchronous Communications package for 2780/3780 Communications (DEC/EDI Server Only).
- Doc. Preparation Tools (Text Processing) [OSFDCMT510] or later for documentation (man pages) installation.

If you are upgrading from DEC/EDI V3.2B then all of the above upgrades must be performed either immediately before installing DEC/EDI V4.0 or through scheduled maintenance periods prior to the installation of DEC/EDI.

Backing Up Your System Disk

Digital recommends that you back up your file systems before installing any software. For information about backing up your file systems, see the Tru64 UNIX system documentation.

Pre-Installation Steps : Upgrading the Server from V3.2B

Before beginning the installation on an existing DEC/EDI V3.2B Server, go into the Cockpit and select the summary screen for the Archive source. Note down the sum of the total number of documents and transmission files in the Archive area. You will need this figure later on to calculate the required rollback segment space required during the database migration.

Once you have this figure, fully shutdown the DEC/EDI Server by running the decedi_stop and the decedi_stop_gui_server procedures as shown.

```
# decedi_stop
Stop accepting client requests (to stop GUI requests, run
decedi_stop_gui_server)
Shutting down 3780 AFS EDIF_CNV EDIF_TFS IMPEXP SMTP X12_CNV
stopping 3780
stopping AFS
stopping EDIF_CNV
stopping EDIF_TFS
stopping IMPEXP
stopping SMTP
stopping X12_CNV
10574 FS S 0:00.20 /usr/sbin/decedi_3780d
10577 FS S 0:00.19 /usr/sbin/decedi_ecnvd
10584 FS S 0:29.50 /usr/sbin/decedi_impexpd
10605 FS U 0:00.20 /usr/sbin/decedi_afsd
```

```
10615 FS S 0:00.18 /usr/sbin/decedi_etfsd
10617 FS U 0:00.22 /usr/sbin/decedi_xcnvd
Shutting down EDIF_TFB EDIF_TRN X12_TFB X12_TRN
stopping EDIF_TFB
stopping EDIF_TRN
stopping X12_TFB
stopping X12_TRN
10596 FS U 0:09.95 /usr/sbin/decedi_xtfbd
10607 FS U 0:00.18 /usr/sbin/decedi_etrnd
10609 FS U 0:01.17 /usr/sbin/decedi_xtrnd
Shutting down CCI CCO
stopping CCI
stopping CCO
10589 FS S 0:00.19 /usr/sbin/decedi_ccid
10593 FS S 0:05.89 /usr/sbin/decedi_ccod
Shutting down AS
stopping AS
10611 FS U 0:06.30 /usr/sbin/decedi_asd
Removing shared memory IDs
#
# decedi_stop_gui_server
Shutting down Port Server
```

Verify that DEC/EDI has been shut down before continuing as shown below.

```
# ps -e | grep decedi_ | grep -v grep
#
```

If any processes are listed then you should kill the processes using the kill command.

This is a good time to take a backup of your database as well.

You must remove the DEC/EDI V3.2B software subsets from the system before installing DEC/EDI V4.0. To do this, use the setld utility to detect which subsets are installed and then use the setld utility again to remove them as shown below.

```
# setld –i | grep DEDI | grep –v “not installed“
DEDI3780320        installed   DEC/EDI 3780 Gateway
DEDIAMSGBASE320    installed   DEC/EDI Message Updates Base
DEDIAMSGEDIF320    installed   DEC/EDI Message Updates EDIFACT
IMPDEF files
DEDIAMSGMAN320     installed   DEC/EDI Message Updates Man
Pages
DEDIAMSGODET320    installed   DEC/EDI Message Updates ODETTE
IMPDEF files
```

```
DEDIAMSGTDCC320    installed   DEC/EDI Message Updates TDCC
IMPDEF files
DEDIAMSGTRAD320    installed   DEC/EDI Message Updates
TRADACOMS IMPDEF files
DEDIAMSGX12320     installed   DEC/EDI Message Updates X12
IMPDEF files
DEDIBASE320        installed   DEC/EDI Base
DEDICLT320         installed   DEC/EDI Client
DEDICLTMAN320      installed   DEC/EDI Client Man Pages
DEDIOFTP320        installed   DEC/EDI OFTP Gateway
DEDIPEDI320        installed   DEC/EDI Mailbus 400 Gateway
DEDISERV230        installed   DEC/EDI Server
DEDISERVMAN320     installed   DEC/EDI Server Man Pages
DEDISMTP320        installed   DEC/EDI Internet SMTP/MIME
Gateway
DEDITRAN320        installed   DEC/EDI Translation Services
#
# setld –d DEDI3780320 DEDIAMSGBASE320 DEDIAMSGEDIF320 \
DEDIAMSGMAN320 DEDIAMSGODET320 DEDIAMSGTDCC320 DEDIAMSGTRAD320
\
DEDIAMSGX12320 DEDIBASE320 DEDICLT320 DEDICLTMAN320
DEDIOFTP320 \
DEDIPEDI320 DEDISERV230 DEDISERVMAN320 DEDISMTP320 DEDITRAN320
…
```

Remember which ones you had installed as you need to re-install the same subsets when installing DEC/EDI V4.0.

Pre-Installation Steps : Upgrading the Client from V3.2B

To upgrade the DEC/EDI V3.2B Client to V4.0, simply remove the existing DEDICLT320 and/or DEDICLTMAN320 subsets as shown below.

```
# setld –i | grep DEDI | grep –v “not installed“
DEDICLT320         installed   DEC/EDI Client
DEDICLTMAN320      installed   DEC/EDI Client Man Pages
#
# setld –d DEDICLT320 DEDICLTMAN320
…
```

Pre-Installation Steps : All installations

During the installation, you will be provided with a list of the subsets to install. If you are upgrading from V3.2B then you should install at least those subsets that you de-installed earlier. These subsets are shown in the table below.

Subset Name	Subset Description	Comments
DEDI3780400	3780 Gateway	Server only. Required to perform 2780/3780 communications.
DEDIAMSGBASE400	Message Updates Base	Server only. Required to install new EDI standards and versions
DEDIAMSGEDIF400	Message Updates EDIFACT IMPDEF files	Server only. Contains the EDIFACT based message definitions for all current versions when DEC/EDI V4.0 was built.
DEDIAMSGMAN400	Message Updates Man Pages	Server only. Contains help pages on the decedi_must utility required to load the message definitions into the DEC/EDI Server.
DEDIAMSGODET400	Message Updates ODETTE IMPDEF files	Server only. Contains relevant ODETTE based message definitions for versions when DEC/EDI V4.0 was built.
DEDIAMSGTDCC400	Message Updates TDCC IMPDEF files	Server only. Contains the TDCC (UCS) based transaction set definitions for most of the current versions when DEC/EDI V4.0 was built.
DEDIAMSGTRAD400	Message Updates TRADACOMS IMPDEF files	Server only. Contains the TRADACOMS based message definitions for most of the current versions when DEC/EDI V4.0 was built.

Subset Name	Subset Description	Comments
DEDIAMSGX12400	Message Updates X12 IMPDEF files	Server only. Contains the X12 based transaction set definitions for all of the current versions when DEC/EDI V4.0 was built.
DEDIBASE400	DEC/EDI Base	Base files. Required for all installations.
DEDICLT400	DEC/EDI Client	Client and/or Server. Provides the DEC/EDI Client files such as the trade command and the files necessary to define where the DEC/EDI Server resides.
DEDICLTMAN400	DEC/EDI Client Man Pages	Client and/or Server. Provides help text (man pages) on the trade command.
DEDIOFTP400	OFTP Gateway	Server only. Required for OFTP Communications over the X.25 network.
DEDIPEDI400	Mailbus 400 Gateway	Server only. Required for X.400 (P0, P2 or PEDI body-parts) communications.
DEDISERV400	Server	Server only. Required when installing any of the other Server components. Provides generic utilities such as the database access libraries that DEC/EDI uses.

Subset Name	Subset Description	Comments
DEDISERVMAN400	Server Man Pages	Server only. Provides help text (man pages) on the various tools and utilities used in configuring and maintaining the DEC/EDI Server.
DEDISMTP400	Internet SMTP/MIME Gateway	Server only. Required for SMTP (e-mail) communications with Trading Partners.
DEDITRAN400	Translation Services	Server Only. Required for EDIFACT, ODETTE, X12, TDCC (UCS) or TRADACOMS translation services and mapping.

Make a note of which subsets that you wish to install and then make sure you have the appropriate licenses registered in the License Management Facility.

Registering Your Software Licenses on Compaq Systems

Digital DEC/EDI includes support for the License Management Facility (LMF). You must register your License Product Authorization Key(s) (License PAK(s)) in the License Database (LDB) in order to use Digital DEC/EDI on a newly-licensed node.

If you ordered the licenses and media together then the paper License PAK(s) will be shipped along with the kit. Otherwise, the paper License PAK(s) are shipped separately to a location described on your license order.

Digital DEC/EDI supports a number of license types, depending on which Digital DEC/EDI component subsets you wish to use. The individual License PAK names, and what they control are shown on the following table. You can get a list of licenses on your system by using the ‘lmf list’ command from the superuser account.

```
# lmf list
Product           Status      Users: Total      Active

…
EDI-X400-SERV       active           unlimited
EDI-COMCEN          active           unlimited
EDI-BISYNC-PACKAGE  active           unlimited
EDI-APP-SERV        active           unlimited
…
```

Subset Name	License Product Name Required
DEDI3780400	EDI-BISYNC-PACKAGE or EDI-BISYNC-SERV
DEDIAMSGBASE400	See DEDITRAN400.
DEDIAMSGEDIF400	See DEDITRAN400.
DEDIAMSGMAN400	See DEDITRAN400.
DEDIAMSGODET400	See DEDITRAN400.
DEDIAMSGTDCC400	See DEDITRAN400.
DEDIAMSGTRAD400	See DEDITRAN400.
DEDIAMSGX12400	See DEDITRAN400.
DEDIBASE400	None.
DEDICLT400	EDI-APP-SERV, EDI-BISYNC-PACKAGE, EDI-OFTP-PACKAGE, EDI-X400-PACKAGE or EDI-SMTP-PACKAGE
DEDICLTMAN400	See DEDICLT400
DEDIOFTP400	EDI-OFTP-PACKAGE or EDI-OFTP-SERV
DEDIPEDI400	EDI-X400-PACKAGE or EDI-X400-SERV
DEDISERV400	None.

Subset Name	License Product Name Required
DEDISERVMAN400	None.
DEDISMTP400	EDI-SMTP-PACKAGE or EDI-SMTP-SERV
DEDITRAN400	EDI-BISYNC-PACKAGE, EDI-OFTP-PACKAGE, EDI-X400-PACKAGE or EDI-SMTP-PACKAGE

Note that the EDI-COMCEN license is also required on the DEC/EDI Server system to run the DEC/EDI CommandCenter.

Please refer to the Compaq Tru64 documentation set for details on how to register and load licenses on Tru64 UNIX.

Please refer to the Compaq DEC/EDI V4.0 for Tru64 UNIX Software Product Description for details on how to order the relevant licenses.

Checking the Software Distribution Kit

Use the Bill of Materials (BOM) to check the contents of your Digital DEC/EDI software distribution kit. If your software distribution kit is damaged or incomplete, contact your Digital representative.

Checking the Digital DEC/EDI account

When installing the Digital DEC/EDI Server subset, some files will be assigned the ownership of decedi. This means that a decedi needs to be set up prior to installing the Digital DEC/EDI Server subset.

To check that the decedi account has been set up, log in as the superuser (root), and enter the following command:

```
# grep decedi /etc/passwd
```

If the decedi account exists, then this will produce a line containing the account details. If no decedi account exists, no output will be generated. Refer to your Compaq Tru64 UNIX documentation on how to add the decedi user accounts.

The Table below lists the disk space requirements for loading each of the Digital DEC/EDI software subsets. The figures shown in these tables are peak requirements. After installation, slightly less disk space is required. All

the space listed is in the /usr/opt directory structure. A small amount of space will also be required in the /usr/sbin and /usr/shlib (less than 500 KB in each).

You also need a recommended minimum of 4GB of space in the /var directory structure although this can be distributed across several file-sets using procedures described in the Configuration section of this chapter.

Digital DEC/EDI Subset Space needed (Kb)

Base	300
Server	18146
Server Man Pages	70
Client	576
Client Man Pages	146
Translation Services	4953
Mailbus 400 Gateway	433
OFTP Gateway	353
Internet SMTP/MIME Gateway	449
3780 Gateway	442
Message Updates Base	449
Message Updates EDIFACT IMPDEF Files	13270
Message Updates ODETTE IMPDEF Files	158
Message Updates X12 IMPDEF Files	43516
Message Updates TDCC IMPDEF Files	9866
Message Updates TRADACOMS IMPDEF Files	236
Message Updates Man Pages	290

Determining Disk Space

To determine the amount of disk space available on your system, enter the following command:

```
# df -k /usr
```

This will produce an output similar to the example below:

```
Filesystem 1024-blocks  Used  Avail Capacity Mounted on
/dev/re0g    1580378 970579 451761    68%     /usr
```

Note that this display shows that there are 451,761 Kilobytes available.

Installing Digital DEC/EDI

This section describes how to install Digital DEC/EDI. Before starting your installation, perform the pre-installation tasks listed in the previous section.

The way you do this depends on whether you are installing:

- From local CD-ROM media, see *Installing From CD-ROM Consolidated Distribution Media.*
- From a Remote Installation Services (RIS) server area, see I*nstalling From a Remote Installation Services (RIS) Distribution Area.*

Stopping the Installation

You can stop the installation procedure at any time by pressing Ctrl C. If you stop the installation, files created up to that point are not deleted. You must delete those files manually.

To find out which Digital DEC/EDI files are on your system, enter the following command:

```
# find / -name \*decedi\
```

Be careful of deleting data contained in /usr/var/adm/decedi or its sub-directories as this may cause Digital DEC/EDI configuration data to be lost.

Time Required for Complete Installation

The time taken to install each of the subsets from the Digital DEC/EDI kit varies depending on the size of your CPU and whether you are installing using local media, or from a Remote Installation Services (RIS) server area. In most cases, each subset should take only a few minutes to install.

Installing From CD-ROM Consolidated Distribution Media

This procedure loads Digital DEC/EDI files on to a disk belonging to the system where you perform the installation. When Digital DEC/EDI is run, its executable images are mapped into memory on your system.

Follow these steps to install Digital DEC/EDI from CD-ROM media:

1. Mount the media on the appropriate disk drive.
2. Log in as superuser (login name, root) to the system where you will install Digital DEC/EDI.
3. Make sure you are at the root (/) directory by entering the following command:

   ```
   # cd /
   ```

4. Specify the /cdrom directory to be the mount point for the distribution file system on the drive. For example, if your drive is called cdrom0c, enter the following command:

   ```
   # mount -r /dev/disk/cdrom0c /cdrom
   ```

   or

   ```
   # mount -r –t cdfs /dev/disk/cdrom0c /cdrom
   ```

   Use the second format if the CD-ROM is marked as ISO9660 format.

5. Enter a setld command that requests the load function (-l option) and identifies the directory in the mounted file system where the Digital DEC/EDI subsets are located.

   For example, if the directory location for these subsets is /cdrom/dedisubset_number/kit, enter the following command:

   ```
   # setld -l /cdrom/dedi400/kit
   ```

6. The installation procedure now displays the names of the Digital DEC/EDI subsets and asks you to specify the subsets you want to load. See Running the Installation Procedure to continue the installation.

Installing From a Remote Installation Services (RIS) Distribution Area

If you are installing Digital DEC/EDI subsets that reside in /etc/ris RIS distribution area on a remote system, follow these steps:

1. Log in as superuser (login name, root) to the system where you will install Digital DEC/EDI.
2. Make sure you are at the root directory (/) by entering the following command:

   ```
   #cd /
   ```

3. Enter a setld command that requests the load function (-l) option and identifies the system where the Digital DEC/EDI subsets are located. For example, if you are loading Digital DEC/EDI subsets from a RIS distribution area on a node called orion, enter the following:

   ```
   # setld -l orion:
   ```

4. RIS now displays a menu that lists all the software subsets available to you and asks you to specify the subsets you want to load. See *Running the Installation Procedure* to continue the installation..

Running the Installation Procedure

Once you have entered the *setld* command to install the software, the system takes you through a dialog in which you are prompted for details about how the installation is to take place. These prompts are described on the following pages.

At each prompt during the dialog, you can do any of the following: Enter your reply and press Return. Enter a question mark (?) for more information about what is required. Abort the installation by pressing Ctrl/C. If you encounter any failures during the installation dialog, refer to *Problems During Product Installation.*

Specifying Subsets

You are prompted to specify which Digital DEC/EDI subsets you want to load. For example, when installing Digital DEC/EDI on Tru64 UNIX, the dialog is as follows:

```
# setld -l /cdrom/dedi400/kit
The subsets listed below are optional:
  There may be more optional subsets than can be presented on a
single screen. If this is the case, you can choose subsets
screen by screen or all at once on the last screen. All of the
choices you make will be collected for your confirmation
before any subsets are installed.
  1) Compaq DEC/EDI 3780 Gateway
  2) Compaq DEC/EDI Base
  3) Compaq DEC/EDI Client Man Pages
```

```
  4) Compaq DEC/EDI Client
  5) Compaq DEC/EDI Internet SMTP/MIME Gateway
  6) Compaq DEC/EDI Mailbus 400 Gateway
  7) Compaq DEC/EDI Message Updates Base
  8) Compaq DEC/EDI Message Updates EDIFACT IMPDEF files
  9) Compaq DEC/EDI Message Updates Man Pages
  10) Compaq DEC/EDI Message Updates ODETTE IMPDEF files
  11) Compaq DEC/EDI Message Updates TDCC IMPDEF files
  12) Compaq DEC/EDI Message Updates TRADACOMS IMPDEF
      files
  13) Compaq DEC/EDI Message Updates X12 IMPDEF files
  14) Compaq DEC/EDI OFTP Gateway
  15) Compaq DEC/EDI Server Man Pages
  16) Compaq DEC/EDI Server
  17) Compaq DEC/EDI Translation Services
--- MORE TO FOLLOW ---
Enter your choices or press RETURN to display the next screen.
Estimated free diskspace(MB) in root:277.7 usr:5554.5
Choices (for example, 1 2 4-6):
Or you may choose one of the following options:
  18) ALL of the above
  19) CANCEL selections and redisplay menus
  20) EXIT without installing any subsets
Estimated free diskspace(MB) in root:277.7 usr:5554.5
Enter your choices or press RETURN to redisplay menus.
Choices (for example, 1 2 4-6):
```

If you specify more than one number at the prompt, separate each number with a space, not a comma.

Note: *If you are installing from a RIS distribution area, the number of subsets can vary, depending on which products are available in the RIS area, and on how many subsets they have. Also, if the subsets are already installed, they will not appear as a selectable option.*

Next, the dialog lets you verify your choice. For example, if you enter 18 in response to the previous prompt, you will see the following display:

```
You are installing the following optional subsets:
   Compaq DEC/EDI 3780 Gateway
   Compaq DEC/EDI Base
   Compaq DEC/EDI Client Man Pages
   Compaq DEC/EDI Client
   Compaq DEC/EDI Internet SMTP/MIME Gateway
   Compaq DEC/EDI Mailbus 400 Gateway
   Compaq DEC/EDI Message Updates Base
   Compaq DEC/EDI Message Updates EDIFACT IMPDEF files
```

```
   Compaq DEC/EDI Message Updates Man Pages
   Compaq DEC/EDI Message Updates ODETTE IMPDEF files
   Compaq DEC/EDI Message Updates TDCC IMPDEF files
   Compaq DEC/EDI Message Updates TRADACOMS IMPDEF files
   Compaq DEC/EDI Message Updates X12 IMPDEF files
   Compaq DEC/EDI OFTP Gateway
   Compaq DEC/EDI Server Man Pages
   Compaq DEC/EDI Server
   Compaq DEC/EDI Translation Services
Estimated free diskspace(MB) in root:277.7 usr:5465.9
Is this correct? (y/n):
```

If the displayed subsets are the ones you want to load, enter y. If the displayed subsets are not the ones you intended to choose, enter n. In this case, the Subset Selection menu is displayed again, and you can correct your choice of optional subsets.

Messages Displayed During the Loading Process

The installation procedure loads and verifies the selected Digital DEC/EDI subsets. During this process, several messages are displayed. When you see the “Verifying” message during the subset installation, the installation procedure is checking that the files are copied correctly. Note that this is not an Installation Verification Procedure (IVP) message. If you see the “Broken pipe” message during the subset installation, then this can be ignored as the subset will continue to be installed successfully.

Problems During Product Installation

If errors occur during the installation, the system displays failure messages. For example, if the installation fails due to insufficient disk space, the following message appears:

```
There is not enough space for subset DEDISERV400
DEDISERV400 will not be loaded.
```

Errors can occur during the installation if any of the following conditions exist:

- The version of the operating system is incorrect.
- A prerequisite software version is incorrect.
- There is insufficient disk space.
- The system parameter values for successful installation are insufficient.

For descriptions of error messages generated by these conditions, refer to the relevant documentation on system messages, recovery procedures, and software installation. For information on system software requirements, refer to the previous sections of this chapter.

If you or your systems administration team cannot resolve the problem, please call your Compaq Customer Support Center at the number listed on the Compaq web site (http://www.compaq.com/support/contact_compaq/worldphones.pdf).

Files Created During Installation

For more details of the files installed by an installation of Digital DEC/EDI, please refer to Appendix I UNIX Installation - Directory and File Listing.

Running the Installation Verification Procedure

After installing Digital DEC/EDI, you should run the Installation Verification Procedure (IVP) independently to verify that the software is available on your system. You might also want to run the IVP after a system failure to be sure that users can access Digital DEC/EDI.

The Digital DEC/EDI IVP verifies the installation by checking which Digital DEC/EDI subsets are installed.

To run the IVP after an installation, enter the following command, where subsetname can be any Digital DEC/EDI subset:

```
# setld -v subsetname
```

If the verification process fails, look in the /var/adm/smlogs/fverify.log file for information to help diagnose the problem.

Post-Installation Configuration

This Section explains what you need to do after the installation to make Digital DEC/EDI ready for use.

If you are upgrading the DEC/EDI Server from DEC/EDI V3.2B and plan on creating your own database, follow the steps to migrate your V3.2B database as described in the following section before creating your own database.

Migrating the DEC/EDI Server V3.2B Database

Before you can start the DEC/EDI V4.0 configuration procedure, you must migrate the DEC/EDI Database. Compaq strongly recommends that you create a backup of the database before attempting the migration. The migration performs several modifications to both the structure and the contents of the database and recovery from any problems requires you to restore your backup copy.

Because of the extent of the modifications, the procedure creates an automatically extending rollback segment to ensure that it can perform the operations required. During the migration, you will be asked to specify a directory in which to create the tablespace containing the rollback segment. This directory may be on any available device with sufficient space.

To calculate the space required, use the total number of documents and transmission files in the Archive area that you noted at the beginning of the installation. Take the sum of these two figures and, for each 10,000 documents and transmission files, you will need approximately 24 MB of space for the rollback segment. Add an extra 10 MB as a safety margin.

If you are going to create a new directory for the rollback segment then make sure that the Oracle installation account has read, write and execute permission to the directory after you have created it.

Now change you default directory to the /var/adm/decedi directory and run the decedi_v32_migrate.sh script. An example run of the script is shown below. If you need a detailed explanation of what is being asked of you at any point, enter a question mark (?).

Note that if you previously shutdown the database and the Oracle TNS listener, DEC/EDI will restart them during the migration.

WARNING:*If you have a lot of documents in the Archive area of the database, this procedure could take up to 20 minutes to run.*

```
# ./decedi_v32_migrate.sh
    Please enter the Home directory for the Oracle server
[/usr/app/oracle/product/8.1.6] :
    Please enter the Oracle owner for the DEC/EDI database
[oracle] :
    This migration procedure will assume that your existing
Oracle database follows the V3.2 standard of having a database
SID of "decedidb".
    You may change this assumption after the migration script
completes by changing the site startup file,
/usr/sbin/decedi_systart.
    You may also change the database TNS name and the oracle
database account used by DEC/EDI by running the
/usr/sbin/decedi_config script after the migration script
completes. This procedure does not use either of these values.
   Make sure you have a good backup of the database before you
start.
    OK to continue? [Y] : y
    This migration procedure makes changes to archived
documents information in the database. To achieve this, a
larger than normal rollback segment may be required depending
on the number of documents you have in the archive.
    To ensure a smooth migration, this procedure uses a
temporary rollback segment. Please specify a directory to
create the rollback segment in. This directory specified must
already exist and must be writeable by the oracle account. The
amount of space used depends on the number of documents in the
archive so, if you have a lot, please make sure the directory
is on a devices with a lot of space. Minimum requirement is 64
MB.
    Location for temporary rollback segment :
/space/decedi_temp
 ---------------------------------------------------
    Starting database migration...
    Database migration complete.
    Updating /usr/sbin/decedi_systart...
    Migration complete.
    Please now run decedi_config to complete your set-up.
```

Please note that the utilities to manage the database that were previously in the /usr/sbin/decedi_config script have been moved to a new location. You can now access these facilities by running the decedi_manage_default_db script in the /var/adm/decedi/db directory.

Note that this utility updates your DEC/EDI V4.0 Site Startup procedure /usr/sbin/decedi_systart to check for and startup the Oracle DEC/EDI database and the TNS listener. If you do not wish DEC/EDI to do this then you should modify this procedure to remove this logic after you have completed the migration.

Creating a New DEC/EDI Server V4.0 Database

In previous versions of DEC/EDI, you were provided with a simply structured, multi-file database in which DEC/EDI used to store its configuration and auditing information. However, many customers had set rules on how its Oracle databases should be configured to align themselves with existing operational procedures such as nightly on-line backups.

In DEC/EDI V4.0, you are provided with the definitions and an example (the simply structured database from the previous versions of DEC/EDI) as well as tools to tell DEC/EDI how it should reference the database. If you wish to use the tools and utilities the DEC/EDI previously provided in the decedi_config utility, they are still available in the decedi_manage_default_db script in the /var/adm/decedi/db directory.

Using the Default Database

To use the default database, identify a location for your database. Your DBA will probably identify this location for you but, if not, the directory structure under which you create the database must have at least 512 MB of free space and your Oracle installation account must have read, write and execute privileges. Compaq recommends that you make the Oracle installation account the owner of this directory and restrict any other access to it.

While creating a default database, you will be asked what size you want the database to be. The default is 512MB (or 524288KB). This size of database should be sufficient to hold up to 10,000 on-line documents and transmission files and up to four EDI standards and versions. If you expect to have close to or over these numbers then you should increase the size of your database accordingly. It is recommended that you increment in steps of 128MB, adding one step for each 2,500 documents and transmission files and/or each standard and version.

To create the database, run the decedi_manage_default_db script in the /var/adm/decedi/db directory and select option 1, configure database. You

will be asked a series of questions as shown below. Enter a question mark if you would like a better explanation of each question.

```
# mkdir /usr2/oracle/databases/decedi
# chown oracle:dba /usr2/oracle/databases/decedi
# chmod u=rwx,g=rx,o=r /usr2/oracle/databases/decedi
#
# cd /var/adm/decedi/db
# ./decedi_manage_default_db

1.      Configure database
2.      Modify database users
3.      Dump database
4.      Load database
5.      Manage database
6.      Exit Configuration

Select option [6] : 1

Configuring Database

Enter the database to be used (Ora) [Ora] :
...Creating /var/adm/decedi/config.dat
Enter Oracle Home directory /usr/app/oracle/product/8.1.6] :
Enter DEC/EDI Oracle database location [] :
/usr2/oracle/databases/decedi
...Modifying /etc/oratab
...Modifying /var/adm/decedi/config.dat
Enter DEC/EDI Oracle database size in KB (minumum 524288)
[21046768] :1048576
*******************************************************
   Default oracle network templates have been generated
   in /usr2/oracle/databases/decedi/. The files being:
      listener.ora
      tnsnav.ora
      tnsnames.ora
   These files should be merged with those already on this
   server (in /etc), and those residing on any PC wishing
   to use the CommandCenter or Cockpit to access this
   server.
```

```
**********************************************************

Press <Return> to continue.
...Creating /usr/app/oracle/product/8.1.6/dbs/initdecedidb.ora
...Creating database /usr2/oracle/databases/decedi
...Loading system tables
...Creating schema
...Running catalog script
...Running catproc script
...Storing system version
...Setting DEC/EDI Oracle password.
Sorry but due to ORACLE accounts having paswwords we cannot
recreate
the user accounts. If you have previously defined any then
please set these
these up again using the 'maintain users' option.

Database Configuration Complete

Press <Return> to continue.

1.      Configure database
2.      Modify database users
3.      Dump database
4.      Load database
5.      Manage database
6.      Exit Configuration

Select option [6] :
```

The final step is to merge the three files listed by the procedure (listener.ora, tnsnav.ora and tnsnames.ora) into their equivalents in the /etc directory. These files can be found in the same directory that you specified the database be created in.

DEC/EDI will not automatically start and stop the database or the TNS listener as it did in previous versions of DEC/EDI. However, you can

Your database is now ready for use by DEC/EDI. However, for users to access the database from the CommandCenter, you need to add accounts in the database for them. Decide on whether you will use a generic account or

have one account per user and then use option 2 of the decedi_manage_default_db utility to add the users as shown below.

```
# ./decedi_manage_default_db

1.      Configure database
2.      Modify database users
3.      Dump database
4.      Load database
5.      Manage database
6.      Exit Configuration

Select option [6] : 2

There are no DEC/EDI database users (other than decedi).


1.      Add User
2.      Remove User
3.      Return

Select option [3] : 1
Enter user name (prefixed by ops$ if local user) : ediadmin

Current DEC/EDI database users (other than decedi) are:

     ediadmin

      Local operating system users are prefixed by ops$


1.      Add User
2.      Remove User
3.      Return

Select option [3] :
...Creating /var/adm/decedi/decedi_db_ora_users.sql
...Modifying database access
Enter password for user andy : secret
Confirm password for user andy : secret
```

```
Database users updated.
Press <Return> to continue.

1.      Configure database
2.      Modify database users
3.      Dump database
4.      Load database
5.      Manage database
6.      Exit Configuration

Select option [6] :
```

The other options on this menu allow you to

1. Take a backup copy of the database using Oracle's EXP utility to a file that you specify.
2. Using Oracle's IMP utility, load a backup copy of the database previously created using the Dump database option.
3. Startup or Shutdown the DEC/EDI's Oracle database.

Creating a Customized Database

If you wish to create the database using your own configuration then you should use the information in the /var/adm/decedi/db directory as a guide to creating the database. DEC/EDI places the following requirements on the database.

1. The database must contain at least the tables listed in the SQL definition file decedi_db_ora_create_schema.sql located in the /var/adm/decedi/db. This script also contains a list of indexes for the tables that Compaq recommends you also use to maintain efficient use of the database.

   All public synonym definitions should also be included but you may create the tables and indexes under a username of your choosing. The username does not have to be the same username that DEC/EDI uses to access the tables but the username that DEC/EDI uses should have SELECT, INSERT, UPDATE and DELETE access to all of the tables in the SQL file.
2. Compaq recommends that you use the database tablespaces shown in the SQL file until you can ascertain using the Oracle database analysis tools which is the best distribution method for your configuration and

workflow. Most of the tables will contain static information that is used in read access by DEC/EDI components.

The tables that tend to be more active during day-to-day processing in terms of writes, updates and deletes all center around the auditing functions. Specifically theses tables are the CHA, CHF, CLA, CLF, CNT, THA, THF, TLA, TLF, MAA and MAR. Depending on your configuration and the options you have set for auditing history and mapper auditing defines which of these tables are and are not used although the TL* and CL* tables will always be used.

The tables that tend to contain a large amount of static data relate to the definitions of standard EDI documents. Specifically, these tables are DDF, DLM, DTF, ECF, ELF, SDF, SEF and STF.

Most of the other tables will contain relatively small numbers of entries, some often always empty. However, this is heavily dependant on your configuration and this information is provided as a general guideline only.

3. Access to the database both by DEC/EDI and by the CommandCenter requires the use of passwords. When you are creating accounts, use the 'IDENTIFIED BY' qualifier to assign a password to the accounts.
4. Both the DEC/EDI Server components and the CommandCenter use TNS to access the database so make sure you update TNS listeners tnsnames.ora and listener.ora with the appropriate values.
5. DEC/EDI will not automatically start and stop the database or the TNS listener. If you wish the DEC/EDI startup procedure to do this then modify the example DEC/EDI Site Startup script decedi_systart in the /var/adm/decedi/db directory to match your database settings and merge it with the system version of this file /usr/sbin/decedi_systart.

Using a Remote Database

Because DEC/EDI V4.0 uses TNS to access the DEC/EDI database, it is possible to use a database that is located on a remote server. However, due to the large number of transactions that DEC/EDI performs on the database, Compaq strongly recommends locating the database on the same server. Attempting to use a remote database will significantly affect the performance of the DEC/EDI Server unless extremely high speed network communications channels are available.

TruCluster Server Database Considerations

DEC/EDI V4.0 supports TruCluster Server configurations that allow multiple systems within the cluster to cooperate and share the work across members of the cluster.

If you are configuring DEC/EDI to run in a cluster, you can configure the database to also be available on all nodes of the cluster using either the Oracle's Parallel Server technology or Oracle 9i's Real Application Cluster technology. Please refer to your Database Administrator and/or the Oracle documentation set on the use of these technologies some of which require extra licenses.

You can also configure the database to run on one system in the cluster and have the other systems use the network to access the database. This does, however, limit the performance of the DEC/EDI services running on the other systems in the cluster.

If you wish to use a cluster alias to address the database (recommended for Oracle Parallel Server or Real Application Cluster implementations) or to enable automated fail-over of the database server around the cluster using TruCluster Server's CAA utility then remember to update your tnsnames.ora to use the cluster alias rather than a specific member of the cluster.

Please note then when using the CAA utility to provide automated fail-over of the database around the cluster that DEC/EDI cannot automatically recover from the failure of a single database server shutdown. Make sure your fail-over script shuts down DEC/EDI on all cooperating members of the cluster using /usr/sbin/decedi_stop, restarts the database server on the new system and then restarts DEC/EDI on all cooperating members. Please refer to the TruCluster Server documentation for more details on the CAA utility.

If you want to use the cluster alias from the CommandCenter or have DEC/EDI use it, you must at a minimum modify the tnsnames.ora and listener.ora files in the /etc directory after creating the database to replace any node-specific information with the cluster alias.

If you are running only a single instance of Oracle 8 on the cluster, you should also add the line

```
listener      1521/tcp  in_single # Oracle listener on one node at a time
```

to the /etc/clua_services file and run the ‘cluamgr –f’ command on each node of the cluster.

If you are running Oracle Parallel Server or Real Application Cluster enabled configurations, you should use the line

listener 1521/tcp in_multi # Any of the nodes can respond to Oracle connection requests

Configuring DEC/EDI V4.0 Server and Client

Once you have your database configured, you need to set up the Client Services entry point into the server, tell DEC/EDI how to access the database and configure the DEC/EDI Memory Queues.

All of these operations are performed using the /usr/sbin/decedi_config utility.

Setting up the Client Services

For DEC/EDI Clients (both local and remote) to be able to contact the server to send and receive business documents, your DEC/EDI Server has to ‘listen’ for messages from the clients. Each listening channel (called a port) has a unique number assigned to it and both the Server and all of the Clients must know what this number is. DEC/EDI uses nicknames (called Services) for these ports.

Note that you should run this procedure for both new and upgrade installations.

The first option in the decedi_config utility allows you to configure these ports.

```
# /usr/sbin/decedi_config
1.      Configure TCP/IP Client-Server Link
2.      Configure database
3.      Configure Memory Queues
4.      Exit Configuration

Select option [4] : 1

Configuring the TCP/IP Client-Server link
```

```
Assigned port 5150 /etc/services for Compaq DEC/EDI Post-Fetch
service.
Assigned port 5151 /etc/services for Compaq DEC/EDI Track
service.
Assigned port 5152 /etc/services for Compaq DEC/EDI
CommandCenter service.


To supply the server node information, create a file:
    /var/adm/decedi/decedi_servers.dat
Use the template, /var/adm/decedi/decedi_servers.template .


TCP/IP Configuration Complete


Press <Return> to continue.


1.      Configure TCP/IP Client-Server Link
2.      Configure database
3.      Configure Memory Queues
4.      Exit Configuration


Select option [4] :
```

Note that on a Client only system, the CommandCenter service will not be defined and is not required.

If the ports are not already defined in the /etc/services file, the configuration script starts looking for free ports at port 5150 and assigns the port numbers shows to the 3 services (listed as decedi_csf, decedi_cst and decedi_csg in the /etc/services file). Additionally, if this is a new installation, it will tell you to copy the file /var/adm/decedi/decedi_servers.template to /var/adm/decedi/decedi_servers.dat.

If you are installing the DEC/EDI Client only then you should verify that the port numbers assigned match the port numbers on your DEC/EDI Server. If they do not match then you should modify the /etc/services file to match the Server. If you find that some of the ports are already assigned to other services, you can provide overrides in the decedi_servers.dat file.

In a TruCluster Server environment, the configuration also adds these services to the /etc/clua_services file with the special ‘in_multi’ switch. This switch allows the TruCluster Server Alias processing utilities to route requests from the CommandCenter and the Client to the most available system in the cluster that has the DEC/EDI Server started. You can refine

which systems will respond to requests and which ones will take greater share than others by selecting the Cluster Alias to use and associating the balancing values with each system's Cluster Alias membership. Refer to the Cluster Alias section of the TruCluster Server Administration Guide for more details on this.

If your network administrator would like different ports assigned to the 3 DEC/EDI services then you can modify the /etc/services file and update the values. Remember to also update the /etc/clua_services file if you are running in a TruCluster Server environment.

When you copy the decedi_servers.template file in the /var/adm/decedi, you must update the file to point to the DEC/EDI Server(s) that the Client should use. You must define at least one.

If you are configuring the DEC/EDI Server then you will most probably want all of your documents to go through this system. To enable this, edit the new decedi_servers.dat file and add the line

```
* LOCAL
```

to the end of the file. If you are configuring a Client and all documents will flow through a single DEC/EDI server then replace the keyword LOCAL with the TCP/IP name of the server. For example, to route all documents through the DEC/EDI Server on node edisrv.org.mycompany.com, use the following line

* edisrv.org.mycompany.com

If you need to override the port numbers from the /etc/services file, you can add the numbers here. See the comments in the decedi_servers.template file for further details.

Setting up the DEC/EDI Server Database Access

As previously mentioned, on the DEC/EDI Server, you have to tell DEC/EDI how to access the database even if you are using a migrated or a default database. To do this, re-run the /usr/sbin/decedi_config procedure and select option 2.

```
# /usr/sbin/decedi_config
1.      Configure TCP/IP Client-Server Link
2.      Configure database
3.      Configure Memory Queues
4.      Exit Configuration
```

```
Select option [4] : 2

Configuring Database

Compaq DEC/EDI no longer contains a fixed database
configuration utility. Instead, customers are encouraged to
create their own databases using the Oracle 8i or later
database environment. Required schemas and example
configuration scripts are available in the
/var/adm/decedi/db directory.

This configuration procedure simply gathers the information
from you on how to connect to your database.
Please make sure you have created and tested your database
before running this option.

Do you want to continue (y/n) [n] : y
Enter the database environment to be used (Ora) [Ora] :
Enter the local ORACLE HOME directory
[/usr/app/oracle/product/8.1.6] :
Enter the Compaq DEC/EDI database's TNS name
[ediot_decedidb.world] : edi_prod
Enter the Oracle Username and Password (username/password) :
edisw/secret
Verifying database connectivity ...

Database access verified and saved.

Press <Return> to continue.

1.      Configure TCP/IP Client-Server Link
2.      Configure database
3.      Configure Memory Queues
4.      Exit Configuration

Select option [4] :
```

The procedure will attempt to default as much information as possible during the process. In the example shown, a customized database has been used with the TNS name being set to edi_prod and the username/password combination for the DEC/EDI Server to access the database set to edisw and secret.

Note that if you are using a default or migrated database that you can just press RETURN to accept the default answers to all of the questions. DEC/EDI known what the username and password for the Oracle decedi account is and it will use those defaults.

Also note that if you change the password to the account, you must shutdown DEC/EDI, run this procedure to enter the new password and then restart DEC/EDI.

Setting up the DEC/EDI Server Memory Queues

In DEC/EDI V3.2B, each component used the status of its source object in the database to determine what work it needed to do. For example, the X12 Converter would look for documents with a status of QUEUED and a standard of X12 (or TDCC) in the database to ascertain if it had any work to do.

In DEC/EDI V4.0, this task has been moved away from the database and into memory. DEC/EDI V4.0 now allocates a user-configurable piece of physical memory to contain a list of all documents and transmission files that require some attention by one or more of the DEC/EDI components. Each object (a document or transmission file) has a 'slot' in the memory section in which the most recent information about the document (other than its contents) are stored. Each slot is a member of a queue that consists of a list of commonly related slots; for example, all transmission files waiting to be sent would constitute a single queue.

The DEC/EDI Components each draw work to do from one set of queues and, apart from end components such as the Archive Server, move the slots from one queue to another when they have finished working on it. For example, when you issue a trade post command, the DEC/EDI Mapping process (decedi_csf) populates a new slot in the memory section with information about the document and, depending on the standard used as indicated by the Mapper, adds that slot as a member of the X12, EDIFACT or TRADACOMS Converter's queue and then notifies the relevant converter that it has work to do. The Converter wakes up and, for each entry it finds in the queue, creates the relevant EDI formatted external file and move the slot from the 'Awaiting Conversion' queue to the 'Waiting to be Built' queue.

These queues can be examined using the DEC/EDI V4.0's new Cockpit view or, from the Tru64 UNIX command line using the new '/usr/sbin/decedi_memqueue_viewer' utility.

During the configuration procedure, '/usr/sbin/decedi_config', you will be asked to configure the size of your memory section. The size you specify is the maximum number of documents that you expect to be active at any

given time in the system where active means being processed or waiting to be processed by a DEC/EDI component. This excludes any archived documents and transmission files but does include documents waiting for 997/999 X12 acknowledgements or EDIFACT CONTRL messages.

Measurements show that each 10,000 documents requested requires just less than 17.5 megabytes of physical memory. The minimum number of slots is 10,000 and the maximum is 300,000 (or just under 512 megabytes). When you try to configure the memory section, it will verify that the requested size is sustainable given your current hardware and operating system parameters. If you undersize it, don't worry; DEC/EDI will not lose any information but you will get entries in the DEC/EDI error log file indicating that components had to wait for free slots to create new documents or transmission files. If you see these then you should shutdown DEC/EDI and increase the size of your memory section as soon as possible.

If your system should suffer a sudden failure, DEC/EDI will detect this when it restarts and will recover from the last know status in the database, that is, it repopulates the memory section slots and rebuilds the queues from the database entries you see in the Cockpit. The database is updated at critical processing points to ensure that no information is duplicated or missed, although some processing may re-occur. For example, the status in the database is not updated after a document has been converted; only after it has been built into a transmission file and is waiting to be sent. In that instance, the document may be reconverted duplicating and overwriting the existing external file but not affecting the final outcome.

On a normal shutdown, if this is the last instance of the DEC/EDI Server on the cluster (or the only one on a single system installation) then the contents of the memory queue are saved. When the first DEC/EDI Server to start on the cluster (or when you start DEC/EDI on a single system installation), the save file is loaded back into the memory section and DEC/EDI continues from where it was before you shut it down.

For standalone systems, the Memory Queues section is created using Shared Memory. You must ensure that the Shared Memory configuration on your system will sustain the requested memory size. Typically, the requirements of Oracle during installation allow for more than enough shared memory to be available for this but if you are running other applications on the system that use Shared Memory, you may need to increase the amount of shared memory available on the system.

For TruCluster Server configurations, the Memory Channel is used to replicate the memory section around your cluster at hardware speeds. You must have correctly configured and have started the Memory Channel environment before attempting to configure or start DEC/EDI. The sizes used when initializing the Memory Channel environment must be at least the planned size of your DEC/EDI memory section or the DEC/EDI configuration process will fail. This configuration is performed using the imc_init utility or the appropriate IMC entries (IMC_AUTO_INIT, IMC_MAX_ALLOC and IMC_MAX_RECV) in /etc/rc.config. Refer to the TruCluster Server documentation for more details on these utilities. As a reminder, approximately 17.5 MB of space in the memory section is required for each 10,000 documents you expect to keep in the memory queues.

To tell DEC/EDI what section size to use, re-run the /usr/sbin/decedi_config procedure and chose option 3 as shown below.

```
# /usr/sbin/decedi_config

1.      Configure TCP/IP Client-Server Link
2.      Configure database
3.      Configure Memory Queues
4.      Exit Configuration

Select option [4] : 3

Configuring Memory Queues

This system has TruCluster Server installed but Compaq DEC/EDI
is NOT configured to run clusterwide. Do you wish to run Compaq
DEC/EDI in a clustered
configuration ? (y/n/?) [n] : y

Enter the number of slots to hold in memory (10000->300000)
[10000] : 25000

Verifying memory availability...

New queue size verified and saved.

Press <Return> to continue.

1.      Configure TCP/IP Client-Server Link
2.      Configure database
3.      Configure Memory Queues
4.      Exit Configuration
```

```
Select option [4] :
```

If any errors occur during the verification then the procedure will display the name of the system service that created the error and also the error that occurred. Please refer to your Tru64 UNIX or TruCluster Server documentation for further details on any error messages that may appear.

Other TruCluster Server Considerations

In a clustered environment, you may also add a host-specific customized startup script by copying decedi_systart to decedi_systart_<hostname> where <hostname> is the short version of the current TCP/IP host name. Use the 'hostname –s' command to get this value. This script is useful if, for example, you wanted to start your 3780 CLEO software on only one node of the cluster.

Starting DEC/EDI

You have now completed the system level configuration tasks for the DEC/EDI Server and/or Client. On the Server, you can now run the /usr/sbin/decedi_start procedure to start the base DEC/EDI Server processes on a new system or to restart DEC/EDI using your migrated configuration.

Please refer to the DEC/EDI User Guide for Tru64 UNIX for information on how to define which services are started on your system and configuring your EDI business relationships.

Deleting Digital DEC/EDI from Your System

If you already have a Digital DEC/EDI subset installed on your system, and want to replace it with another version of that subset, you must delete the original subset first. For instance, if you are upgrading from one version of Digital DEC/EDI to another. Note that deleting the subset does not cause any user data to be lost, so on deleting a subset, and then installing a new subset no data will be lost.

If you already have a version of Digital DEC/EDI from your system, and wish to re-install it, or replace it with a newer version, then you must delete each Digital DEC/EDI subset that you previously installed.

To delete subsets:

1. Log in as superuser (login name, root).
2. Make sure you are at the root directory (/) by entering the following command:

   ```
   # cd /
   ```

3. Enter the following setld command (you may need to use the Bourne shell sh to run setld):

   ```
   # setld -i | grep DEDI
   ```

   This will return a list of subsets with a mark against installed items as shown in the following example:

   ```
   DEDICLT400    installed Digital DEC/EDI Tru64 UNIX Client

   DEDICLTMAN400 installed Digital DEC/EDI Tru64 UNIX Client
   Man Pages
   ```

4. Look for the word “installed” in the listing produced, and then delete the installed subsets. For example:

   ```
   # setld -d DEDICLT400 DEDICLTMAN400
   ```

Chapter 6 OpenVMS - Installation of Server and Client

This chapter describes the process of installing Server and Application Client, by a system manager or administrator, onto a OpenVMS Alpha platform.

Preparation

The following possibilities when installing Digital DEC/EDI V4.0 onto an OpenVMS system are described in this chapter:

- it is a new installation onto a clean system
- you are upgrading an earlier version

Digital DEC/EDI V4.0 Server and Application Client can be installed together or separately, the Server can be on the same node as the Application Client, or could be on a different one.

General It is assumed that the preparations detailed in Parts 1 and 2 have been completed satisfactorily, so that you have a checklist of the desired configuration. Check the Installation Kit is correct against the Bill of Materials (BOM) and indented bills report (BIL) which specify the number and contents of your media. If your kit is damaged or if you find that parts of it are missing, contact your Digital representative.

Upgrading When upgrading your system to Digital DEC/EDI V4.0, existing files will be modified during the upgrade process. Backing up is recommended in the following instructions when appropriate.

Examples All examples provided in this chapter are typical and are provided for information only.

Prerequisites - All Installations

Operating System

The following version of OpenVMS is needed for Digital DEC/EDI V4.0:

- OpenVMS Alpha Version 7.2-1

Software Products

The information contained in the following sections define which software products you will need in addition to Digital DEC/EDI for your selected configuration of the Digital DEC/EDI V4.0 products.

More about Software Versions

Software versions defined within this document were correct at time of publication, late changes are detailed in the Release Notes.
For more information, contact your Digital Support representative.

Mapping Services

The Mapping Services are a separately licensed component of Digital DEC/EDI.

OpenVMS Alpha Server

This section describes the layered products which may be needed to run a Digital DEC/EDI server on an OpenVMS Alpha platform.

Mandatory

The following products are a mandatory requirement for **all** OpenVMS Alpha server installations:

- OpenVMS Alpha
- DECforms runtime
- Oracle Rdb runtime

TCP/IP

- DEC TCP/IP Services

In addition the Digital DEC/EDI Mapping Service may optionally extract record layouts from Oracle CDD/Repository.

Gateway

If you are using either of the OFTP or X.25 gateways, you need to have installed one of the following:

- DECnet/OSI and X.25
- DECnet and DEC X.25 Client

Pedi Gateway

If you are using the Pedi Gateway, you would normally require the MAILbus 400 Message Transfer Agent. As there is no version of this currently available for OpenVMS Alpha, the Server contains an X.API component within the kit which needs to be separately installed.
This X.API component allows Digital DEC/EDI to connect to a MAILbus 400 Message Transfer Agent (MTA) on another CPU using DECnet/OSI.

3780Plus Gateway

When using the 3780Plus Gateway, you will need CLEO 3780Plus.

Application Interface

Your applications may interface to the V4.0 server on OpenVMS Alpha using one or more of the following interfaces:

- Using a Digital DEC/EDI V4.0 Application Client, either on the same node as the server or on a separate node.

If you are not expecting to use any of the above listed Application Clients, the choice of network layer to use will be influenced by which Digital DEC/EDI gateways you expect to run (or more specifically whether or not those gateways require DECnet/OSI). However all Application Clients must be connected using the same network layer.

Supported Software Versions

The table below shows versions of software products that are supported for use with Digital DEC/EDI V4.0 on OpenVMS Alpha.

Table 6-1 OpenVMS Alpha Software Product Versions

PRODUCT	DESCRIPTION	VERSION
Mandatory		
OpenVMS Axp	OS	7.2-1
DECForms	Forms development env	3.0
Oracle RDB	Oracle rdb	7.0.3
TCP/IP services		5.0A
Optional		
Mailbus 400 MTA		2.0C
X.25		1.4
DECnet-Plus/DECnet-OSI		5.01
X.500 directory services		4.0

OpenVMS Alpha Application Clients

This section describes the layered products which are needed to run a Application Client on a OpenVMS Alpha platform. Some products are mandatory, others are optional and depend on which configuration options you select.

Mandatory

The following products are a mandatory requirement for all OpenVMS Alpha Application Client installations:

- OpenVMS
- A network transport:
  provided by DEC TCP/IP Services

Software Licensing

General

Before you install and run Digital DEC/EDI V4.0 on a newly licensed node or cluster, you must first register a License Product Authorization Key (License PAK) using the License Management Facility (LMF).

License PAK

The License PAK may be shipped along with the kit if you ordered the license and media together; otherwise, it is shipped separately to a location based on your license order.
If you are installing prerequisite or optional software along with Digital DEC/EDI, review the PAK status and install the PAKs for any prerequisite or optional software before you install Digital DEC/EDI. You should register your Digital DEC/EDI license before you do the installation. During the installation, the licenses are checked, and if any is missing you are asked if you want to continue. You can complete the installation, and run the IVP without having the license installed. However, you will not be able to run the Digital DEC/EDI software. Once you perform the license registration and have loaded an authorization key, you can use Digital DEC/EDI.

Checking for Installed Licenses

To check to see what licenses you already have loaded, use the command:

```
$LICENSE LIST
```

Registering a License

To register a license under OpenVMS, first log in to the system manager's account, SYSTEM. You then have a choice of two ways to perform the registration:

1. Invoke the SYS$UPDATE:VMSLICENSE.COM procedure. When it prompts you for information, respond with data from your Product Authorization Key (PAK). When it asks if you want to load the license, answer ‘Yes’.
2. Issue the DCL command LICENSE REGISTER with the appropriate qualifiers that correspond to information on the PAK. If you choose this method, you must then use the LICENSE LOAD command to activate the license.

More about License Management Facility

For complete information on using LMF, see the manual on the License Management Utility in the OpenVMS documentation set.

Privileges For The Installing Account

To install Digital DEC/EDI, you must be logged in to an account that has SETPRV, this will normally be the SYSTEM account.

About the Examples

Command examples used in this section assume that the installing account is SYSTEM.

Checking Privileges

To check to see what privileges you have, you can use the following command:

```
$ SHOW PROCESS /PRIVILEGES
```

Note that VMSINSTAL turns off BYPASS privilege at the start of the installation.

Disk Space Requirement

During installation working space is needed on the disk in excess of the space required just for the application.
These requirements are detailed below:

Table 6-2 Disk Space Requirements

Server/Client	Disk	During Installation	After Installation
OpenVMS Alpha Server	System	90,000	75,000
	... for EDI data	none	25,000
	... for Mapper	none	22,000
OpenVMS Alpha Client	System	9,000	1,800
	...forEDIdata	none	100

Determining Diskspace

To determine the number of free disk blocks on the current system disk, enter the following command at the DCL prompt:

```
$ SHOW DEVICE SYS$SYSDEVICE
```

System Parameters

Minimum values for the System Parameters when running Digital DEC/EDI are shown below.
Higher values may be needed depending on other applications running at your site.

Table 6-3 Minimum System Parameter Values

System Parameter	Client & Server	Client Only
CHANNELCNT	255	100
CLISYMTBL	500	250
DEFMBXMXMSG	256	256
DEFMBXBUFQUO	2,048	1,024
GBLPAGES	3,350 free global pages	1,500 free global pages
GBLPAGFIL	9,216	8,192
GBLSECTIONS	84 free global sections	60 free global sections
WSMAX	8,192	2,048
MAXBUF	2,048	1,024
MAXPROCESSCNT	64	20
VIRTUALPAGECNT	60,000	30,000

The following paragraphs show you how to:

- Check system parameter values with the OpenVMS System Generation Utility (SYSGEN)
- Calculate values for the GBLPAGES and GBLSECTIONS system parameters
- Change parameter values with the OpenVMS AUTOGEN command procedure

Checking System Parameter Values

The SYSGEN utility is used to check the system parameters.

1. Run the SYSGEN utility by using the following command:

   ```
   $ RUN SYS$SYSTEM:SYSGEN
   ```
   This will bring up the SYSGEN> prompt

2. Use the SHOW command to display selected parameter values with the following command:

   ```
   SYSGEN> SHOW nnnnnnn
   ```
   where *nnnnnnn* is the parameter name, for instance:

   ```
   SYSGEN> SHOW MAXBUF
   ```
   will give you the maximum buffer size.

   Repeat this process for all of the parameters listed in Table 6-3 *Minimum System Parameter Values*, noting the values which should equal or exceed the minimum values listed.

3. Type EXIT at the SYSGEN prompt to return to DCL level when you have finished checking the parameter values.

More About SYSGEN

For more information about using SYSGEN, see 'Guide to Setting Up an OpenVMS System' in the OpenVMS documentation on system management.

Calculating Values for GBLPAGES and GBLSECTIONS

The values for GBLPAGES and GBLSECTIONS in Table 6-3 *Minimum System Parameter Values*, indicate how many unused pages or sections are available on your system.
To check how many unused global pages and global sections your system has, carry out the following:

1. Use F$GETSYI to find out the number of global pages and global sections that are unused:

```
$ unused_pages = f$getsyi("free_gblpages")
$ unused_sections = f$getsyi("free_gblsects")
```

2. To display a summary of unused global pages and global sections, enter the following:

```
$ WRITE sys$output unused_pages
$ WRITE sys$output unused_sections
```

3. Determine if the number of unused pages is equal to or greater than the number specified in Table 6-3 *Minimum System Parameter Values*. If the number of unused pages is less than the number listed in the table, you need to increase the value for GBLPAGES.

4. Run the SYSGEN utility and use the SHOW command to determine the number of Global Sections (GBLSECTIONS) that have been allocated.

```
$RUN SYS$SYSTEM:SYSGEN
SYSGEN>SHOW GBLSECTIONS

 Parameter Name Current Default Minimum Maximum Unit
Dynamic
 GBLSECTIONS     512     250     20     4095 Sections
```

5. Subtract the current free GBLSECTIONS value from the value shown in Table 6-3 *Minimum System Parameter Values*. The difference between the two is the amount by which you need to increase the current value obtained in Step 2.

Changing System Parameter Values

Changes made to the System Parameters do not get updated until the AUTOGEN utility has been used. Next login after the AUTOGEN will use the updated values.

Procedure

To change value to the minimum value listed in Table 6-3 *Minimum System Parameter Values*:

1. Edit the file SYS$SYSTEM:MODPARAMS.DAT and add the following line for each parameter that needs changing:

   ```
   MIN_PARAMETERNAME = VALUE
   ```

   for example:

   ```
   MIN_MAXBUF = 2048
   MIN_WSMAX = 8192
   ```

2. Run the AUTOGEN procedure to reset your system parameters. Note that AUTOGEN performs an automatic system shutdown and reboots when it has finished. Rebooting your system makes the new parameter values active. Enter the following command at the DCL prompt:

   ```
   $ @SYS$UPDATE:AUTOGEN GETDATA REBOOT NOFEEDBACK
   ```

More About Autogen

For more information about using AUTOGEN, see ‘Guide to Setting Up an OpenVMS System’ in the OpenVMS documentation on system management.

Account Quotas For The Installing Account

The account you use to install Digital DEC/EDI must have sufficient quotas to enable you to perform the installation, these values are detailed below:

Table 6-4 Process Account Quotas

Account	Server	Client
ASTLM	2,000	25
BIOLM	300	20
BYTLM	140,000	20,000
DIOLM	300	20
ENQLM	3,000	200
FILLM	1,000	100
JTQUOTA	2,048	1,024
PGFLQ	60,000	10,240
PRCLM	20	5
TQELM	1,000	10
WSDEF	2,048	1,024
WSEXTENT	8,192	4,096
WSQUO	4,096	2,048

Changing Account Quotas

User account quotas are stored in the file SYSUAF.DAT. You use the OpenVMS Authorize Utility to verify and change user account quotas.

Changes are made using the following procedure:

1. Set your directory to SYS$SYSTEM and then run AUTHORIZE:

```
$ SET DEFAULT SYS$SYSTEM
$ RUN AUTHORIZE
UAF>
```

2. At the AUTHORIZE prompt (UAF>), use the SHOW command with the account you are going to use to install Digital DEC/EDI in order to check the particular account. For example:

```
UAF> SHOW SYSTEM
```

3. To change a quota, use the MODIFY command at the UAF> prompt. MODIFY has the following format:

```
MODIFY account-name /quota-name=nnnn
```

4. The example below changes the FILLM quota for the SYSTEM account and then exits from the Authorize Utility:

```
UAF> MODIFY SYSTEM /FILLM=1000
UAF> EXIT
```

5. After you exit from the utility, the OpenVMS system displays messages indicating whether or not changes were made. Once the changes have been made, you must log out and log in again for the new quotas to take effect.

More about Account Quotas

For more information on modifying account quotas, see the description of the AUTHORIZE utility in the OpenVMS System Manager's Manual.

Other Pre-Installation Information

Accessing the Online Release Notes

Digital DEC/EDI provides online Release Notes. If you specify OPTIONS N when you invoke VMSINSTAL, the installation procedure asks you if you want to display or print the Release Notes. The Release Notes question comes near the beginning of the installation. You should read the Release Notes before continuing with the installation.

After Digital DEC/EDI has been installed, the Release Notes are in the file:

```
SYS$HELP:DECEDI040.RELEASE_NOTES
```

Files and Logical Names Added to Your System

See Appendix I *UNIX Installation - Directory and File Listing* and Appendix J *OpenVMS Installation - Directory and File Listing* for lists of all the files and logical names the installation procedure adds to your system.

Running the Installation Verification Procedure (IVP)

The Installation Verification Procedure (IVP) for Digital DEC/EDI checks that the installation has been successful. During the installation, you are asked if you want to run the IVP as part of the installation. If you respond YES, VMSINSTAL runs the IVP. Digital recommends that you run the IVP to be sure that Digital DEC/EDI is installed correctly.

After Digital DEC/EDI is installed, you can run the IVP independently to verify that the software is available on your system. You might also want to run the IVP after a system failure to be sure that Digital DEC/EDI is still installed correctly.

Use the following command to run the IVP independently:

```
$ @SYS$TEST:DECEDI$IVP.COM
```

VMSINSTAL Requirements

When you invoke VMSINSTAL, it checks the following:

- Whether you are logged in to a privileged account
- Whether you have adequate quotas for installation
- Whether any users are logged in to the system

If VMSINSTAL detects any problems during the installation, it notifies you of the problem and asks if you want to continue the installation. In some instances, you can enter YES to continue.

Stopping the Installation

To stop the installation process and correct the situation, enter NO or press RETURN. Then correct the problem and restart the installation.

Backing Up Your System Disk

At the beginning of the installation, VMSINSTAL asks if you have backed up your system disk. DIGITAL recommends that you do a system disk backup before installing any software on top of the operating system. Use the backup procedures that have been established at your site.

More about Backup

For details on performing a system disk backup, see the section on the Backup Utility in the OpenVMS System Manager's Manual.

Aborting the Installation

To abort the installation procedure at any time, press CTRL/Y. When you press CTRL/Y, the installation procedure deletes all files it has created up to that point and exits. You can then start the installation again.

Time to Install

The table below shows the approximate time it takes to carry out the installation. This varies depending on the type of media and system configuration.

Table 6-5 Time taken to Instal

Type of Installation	Time to Install (minutes)
OpenVMS Alpha Server and Client	7 to 15
OpenVMS Alpha Client only	2 to 5

Information Needed During Installation

Digital DEC/EDI Account Details (UIC)

The installation creates an account for use by Digital DEC/EDI. You must specify a unique user identification code (UIC) for the account. If the account already exists, because you are upgrading, then you are not asked to specify a UIC.

Where To Put Files

If you install the Server, the installation procedure asks you where to put the Server and the Mapper files. See Table 6-2 *Disk Space Requirements*, for details of how much space you need for these.

Name of Server Node

If you are installing a Client-only system, the installation procedure asks you for the name of the Server node and the name of the operating system the Server is running.

Upgrades Only

Shutting Down Digital DEC/EDI

If you already have Digital DEC/EDI installed, you must shut down your Digital DEC/EDI system. The command to shut down Digital DEC/EDI is:

```
$ @SYS$STARTUP:DECEDI$SHUTDOWN FULL
```

Installation: Client On Top Of Server

You can install the Client on to a system that currently runs the Server and Client.
If you do install the Client on to a Server node, the installation procedure warns you and asks if you want to continue:

```
WARNING
* Do you still want to proceed with this installation
[YES]?
```

Note that, if you choose to run the IVP after installing the Client on to a Server system, the IVP finds both the new Client files and the existing Server files, so that the total number of files it finds is much larger than for a normal Client-only system.

Installation: Server On Client-Only System

You can install the Server on to a system that currently runs just the Client. When you do this, the installation procedures warns you that the Client is already installed and asks you if you want to continue.

```
Client already exists on this node. Upgrading Client
V3.2B to Server V4.0
* Do you still want to proceed with this installation
[YES]?
```

Upgrading to V4.0

General

Logicals Digital DEC/EDI stores logical names in three files:

- SYS$MANAGER:DECEDI$LOGICALS.COM this file will be overwritten by future installations of Digital DEC/EDI. Do not change this file.
- SYS$MANAGER:DECEDI$SYLOGICALS.COM this file will not be touched by future installations of Digital DEC/EDI. If you ever want to change any Digital DEC/EDI logical names, define them in this file.
- SYS$COMMON:[SYSMGR]DECEDI$SYLOGICALS_<NODE NAME>.COM this file gets copied from SYS$COMMON:[SYSMGR]DECEDI$SYLOGICALS_NODE.TEMPLATE during the first startup after installation. This file contains node specific logicals like decedi$n_x12_trns_max whcih defines the maximum number of x12 translators allowed to start on a particular node.

Procedure

The procedure for upgrading by installing Digital DEC/EDI V4.0 over an earlier version is similar to the procedure for installing onto a ‘clean’ system. The process is detailed in *The Installation* on page 6-22.

Installing on a Cluster

You can install Digital DEC/EDI on a single node in a cluster and can run the same on any node in the cluster.

Migration Upgrading

If you have a Digital DEC/EDI environment, the order of upgrading to Digital DEC/EDI V4.0, is to upgrade any Cockpit installations, then the server followed by any remote application clients. After the installation of the server you need to migrate your audit database.
For any configuration there are tasks which must be performed after the installation in order to migrate your audit database and applications.

All Services on a Single Node

Upgrade to a V4.0 server.

Multinode System with Translation and Communications all on One Node

Upgrade the server node (i.e. the node running translation and communications services) to a V4.0 server.

The Installation

This section describes the questions that appear during the installation of a Server and Client.
Each question in the installation is marked with an asterisk (*) at the beginning of the line. Some questions show the default response in brackets, for example [YES]. If you want to give the default response, press the <RETURN> key.
The following information is ‘generic’ and is intended to provide guidance through the installation process. Assistance is given when choices have to be made, but be aware that displayed information will vary from that provided both here and in the Appendices log examples.

More about VMSINSTAL Options

For further information on other VMSINSTAL options, see the OpenVMS documentation on software installation.

Starting the Installation

1. To start the installation, log in to a privileged account, such as the SYSTEM account.
2. Type in the VMSInstall command line using the syntax described below:

   `@SYS$UPDATE:VMSINSTAL [product] [device] OPTIONS N`

   [product] - the installation name for the product. For Digital DEC/EDI Version 4.0, use the following installation name:

   On OpenVMS Alpha: DECEDIA040

   [device] - the name of the device on which you have mounted the media which contains the product to install. For example, MTA0: is the device name for a tape drive. Note that **[device]** can also be a directory specification, if you have the save-sets on disk.

   Press <Return> to commence the installation.

The installation will now continue with prompts being displayed when user input is required.

```
* Are you satisfied with the backup of your system disk
[YES]?
```

You should always backup your system disk before performing an installation.
If you are satisfied with the backup of your system disk, press the <RETURN> key. If not enter NO to terminate the installation. You will need to go back to Step 1 to restart the installation after you have completed backing up.

```
* Where will the distribution volumes be mounted:
```

Enter the device name. Note that the Digital DEC/EDI disk must be mounted.

```
Release Notes Options:
1. Display release notes
2. Print release notes
3. Both 1 and 2
4. None of the above
Select option [2]:
```

Press <RETURN> to send the file to print, VMSINSTAL prompts you for a queue name, or you can accept the default print device.
Enter **1** to display the Release Notes immediately on the console terminal. You can terminate the display at any time by pressing CTRL/C.

Enter **3** to display the Release Notes immediately on the console terminal and then print the Release Notes. VMSINSTAL prompts you for a queue name for the printed version.
Enter **4** followed by <RETURN> to ignore the Release Notes for the time being.

```
* Do you want to continue the installation [NO]?:
```

The default at this point is to abort installation by pressing <RETURN>. To continue, enter YES followed by <RETURN>. The Release Notes are then copied to a file in the SYS$HELP directory. For example:
* Do you want to continue the installation [NO]?:

```
YES %VMSINSTAL-I-RELMOVED, The products release notes
have been successfully moved to SYS$HELP.
The Release Notes are in the following file:
SYS$HELP:DECEDI040.RELEASE_NOTES
```

The name of the Release Notes file installed by VMSINSTAL consists of the current product name and version number.

```
Do you want to purge files replaced by this installation
[YES]?
```

Purging of files superseded by this installation is recommended; however, if you need to keep files from previous installations, enter NO in response to the question. You may need to keep some of the files in the DECEDI$DATA directory.

```
* Do you want to run the IVP after the installation
[YES]?
```

It is recommended that you run the IVP; enter YES to do so, or NO if you do not want to run it.

```
* Do you want to install the server [YES]?
```

Press <RETURN> to accept the default and install the Server and Client, or type NO <RETURN> to install just the client.

About Client-Only Installation

If you have opted to install the only the Client, after identifying the directory device and UIC, you will be asked to identify where the Server will run. Once you have entered that location, the VMSInstall procedure will continue without any more input from you.

```
The following Digital DEC/EDI component(s) are not
licensed on this node

Digital DEC/EDI OFTP Services V4.0

Digital DEC/EDI OFTP-Package Services V4.0
```

Note that the message does not necessarily mean that there is an error; the procedure checks both optional and mandatory software and licenses. When it has completed the checks, the installation procedure asks if you want to continue

```
* Do you still want to proceed with this installation
[YES]?
```

Press <RETURN> to accept the default and continue, or type NO followed by <RETURN> to abort the installation.

Warning if you are Upgrading

If you are upgrading, you get a warning message at this point, telling you that the new installation will retain the integrity of existing data, because Digital DEC/EDI already exists on this node
Press <RETURN> to accept the default and continue, or type NO followed by <RETURN> to abort the installation.
You must have RDB/OpenVMS version 7.0.3 or later installed on your system to use Digital DEC/EDI V4.0, consequently you must take the default value by pressing <RETURN>.

```
On what device should the DECEDI directories reside?
```

Specify the Device and press <RETURN>.

Data Directories Creation

Once you have specified the device, VMSINSTAL creates a directory called [DECEDI] on that device, and then the data directories are created in that directory. In further questions in the installation procedure, the logical DECEDI$TOP points to the [DECEDI] directory.

Directory/Disk Space

See Table 6-2 *Disk Space Requirements* on page 6-9 to find out how much space you need for the files that the installation procedure puts in these directories. You need more space once your Digital DEC/EDI system is running.

When Upgrading

If the DECEDI account already exists, then the installation procedure uses the existing DECEDI directory specification.
This installation procedure creates the directories (if they do not exist), and assigns an ACL list to the directories to allow access to the Mapper, and to users on this Server node who have been granted one of the Mapper rights identifiers:
FBR$SUPERVISOR
FBR$OPERATIONS
FBR$DEVELOPMENT.

```
* What is the UIC to be used for the Digital DEC/EDI
account:
```

Type in the UIC in the form [x,y]. For example: [123,4], and then press <RETURN> to action it and continue the installation.

About the UIC The UIC chosen must:

- not have a rights identifier already allocated to it
- not be used by anything else.
- be valid.
- have a group number (the first value)greater than the SYSGEN parameter MAXSYSGROUP. This has a default value of 8. Any group number less than or equal to this value is regarded as a system UIC and Digital DEC/EDI will reject it.

Remainder of the Installation

The installation procedure displays a number of informational messages that report on the progress of the installation, and there are no further questions.
If the installation procedure has been successful up to this point, VMSINSTAL moves the new or modified files to their target directories, updates help files, and updates DCL tables, if necessary.
If you asked for files to be purged, they are purged now.
On completion of a satisfactory installation the following message is displayed:

```
Installation of Digital DEC/EDI succeeded.
```

Installation Failure

If errors occur during the installation, VMSINSTAL displays failure messages. If the installation fails, the following message is displayed:

```
%VMSINSTAL-E-INSFAIL, The installation of Digital
DEC/EDI 4.0 has failed.
```

About the IVP

If you chose to run the IVP, VMSINSTAL runs it now and checks that all the specified files have been installed. One of the following messages will display:

```
IVP was successful.
```

or

```
IVP for Digital DEC/EDI V4.0 has failed
```

If the IVP fails, the following messages are displayed:

```
IVP for Digital DEC/EDI V4.0 has failed to execute to
completion.
```

```
%VMSINSTAL-E-IVPFAIL, The IVP for Digital DEC/EDI V4.0
has failed.
```

Errors can occur during the installation if any of the following conditions exist:

- The operating system version is incorrect
- A prerequisite software version is incorrect
- Quotas necessary for successful installation are insufficient
- System parameter values for successful installation are insufficient
- The OpenVMS help library is currently in use

More about Error Messages

For descriptions of the error messages generated by these conditions, see the OpenVMS documentation on system messages, recovery procedures, and OpenVMS software installation.

If you are notified that any of these conditions exist, you should take the appropriate action as described in the message. (You might need to change a system parameter or increase an authorized quota value).

Displayed Files with Errors

The IVP only displays files that have errors; it does not list them all. For each file that has an error, the IVP describes briefly what the problem is. If the IVP fails and displays too many files to be seen on a video terminal, you can restart it and output the results to a file with the following command:

```
$ @SYS$TEST:DECEDI$IVP.COM /OUTPUT="file.ext"
```

Completing the Installation Procedure

Informational messages (similar to example below) indicate the installation procedure is complete:

```
Installation of DECEDIA V4.0 completed at 14:05

Adding history entry in
VMI$ROOT:[SYSUPD]VMSINSTAL.HISTORY

Creating installation data file:
VMI$ROOT:[SYSUPD]DECEDIA040.VMI DATA

VMSINSTAL procedure done at 14:06

$ LOGOUT SYSTEM logged out at 31-MAR-2001 25:09:17.62
```

VMSINSTAL deletes or changes entries in the process symbol tables during the installation, to continue using the System Manager's account and you want to restore these symbols, you should log-out and log-in.

Installing the Message Update Kit

To install the Message Update Kit, repeat the installation procedure detailed in *Starting the Installation* on page 6-23.
After Step 2 you will see a message similar to the following:

```
Please select:
1 - To install EDI standards definitions.
2 - To re install Digital DEC/EDI V4.0.
3 - To abort this installation.
*    Option [1]:
```

Press <Return> to accept the default and install the Standards Definitions. You can now select which standards you install from the steps that follow. When the selections have been completed, the installation will continue and complete itself without further input.

After Installation

After installing Digital DEC/EDI and the document standards , you may need to perform the following tasks:

- Configure a Client/Server service
- Edit the system startup and shutdown files
- Reboot the system
- Change account details for those people who are going to use the Digital DEC/EDI INTERCHANGE command
- Migrate data if upgrading from a previous version of Digital DEC/EDI.

Editing the System Files

This section applies to Server systems.
You must edit the system startup and shutdown files to provide for automatic startup and shutdown of Digital DEC/EDI when your system is rebooted.
There are three possible Digital DEC/EDI modes of startup shown below:

Table 6-6 Startup Modes

Mode	Startup Command
Startup [1]	@SYS$STARTUP:DECEDI$STARTUP

[1] The command for a full startup must come after the command that starts Rdb Monitor. Add the command line that starts Digital DEC/EDI to the system startup file. You must position this new command line after the line that invokes the network startup command procedure.

System Startup

The following is the system startup command:
SYS$MANAGER:SYSTARTUP_VMS.COM

Network and Rdb Monitor Startup

The following example shows the network startup and Rdb Monitor startup command lines, followed by the startup command line for Digital DEC/EDI:

```
@SYS$MANAGER:STARTNET.COM
@SYS$STARTUP:RMONSTART.COM
@SYS$STARTUP:DECEDI$STARTUP.COM
```

You need to add the following command line to the system shutdown file, SYS$MANAGER:SYSHUTDWN.COM:

```
$ @SYS$STARTUP:DECEDI$SHUTDOWN.COM
```

Note that when you shutdown your system you must ensure that Digital DEC/EDI closes down before DECnet and/or P.S.I., and before Rdb Monitor.
Digital DEC/EDI uses the symbols DECEDI$DEFINE and DECEDI$DEASSIGN to define and de-assign its logical names.
The symbols and logical names, are defined by the command procedure SYS$MANAGER:DECEDI$LOGICALS.COM.

Defining Digital DEC/EDI Logical Names

Digital DEC/EDI stores logical names in three files:

- SYS$MANAGER:DECEDI$LOGICALS.COM this file will be overwritten by future installations of Digital DEC/EDI. Do not change this file.
- SYS$MANAGER:DECEDI$SYLOGICALS.COM this file will not be touched by future installations of Digital DEC/EDI. If you ever want to change any Digital DEC/EDI logical names, define them in this file.
- SYS$COMMON:[SYSMGR]DECEDI$SYLOGICALS_<NODE NAME>.COM this file gets copied from SYS$COMMON:[SYSMGR]DECEDI$SYLOGICALS_NODE.TEMPLATE during the first startup after installation. This file contains node specific logicals like decedi$n_x12_trns_max whcih defines the maximum number of x12 translators allowed to start on a particular node.

Using the Correct Pascal Run-Time Library

You must have a Pascal run-time library if you intend to send or receive X12 or TDCC documents.
To find out if you have the Pascal run-time library on your system, give the following command:

```
$ DIRECTORY SYS$LIBRARY:PAS$RTL.EXE
```

If the file does not exist, contact your Digital support center.

Modifying the System Page File Size

This section applies to:

- Server systems.

To maintain system performance, you should increase the size of your system page file. You should increase the page file size by 1000 blocks for each Digital DEC/EDI process that you run, up to a maximum of 20,000 blocks for 20 processes.
You cannot do this until you have Digital DEC/EDI running, because the number of Digital DEC/EDI processes depends on your configuration. Once you have Digital DEC/EDI configured, you can find out how many Digital DEC/EDI processes there are on your system by using the DCL command SHOW SYSTEM.
The name of every Digital DEC/EDI process begins with DECEDI$ so you need to count how many such processes you have.
To change the size of the your page file, enter the following command:

```
$ @SYS$UPDATE:SWAPFILES
```

and at the following prompt:

```
Enter the new size for paging file
```

enter the required value.
The new page file will take effect when you next boot your system. Once you have set the new page file size, run your system for a few days and then use AUTOGEN to provide values tailored to your particular system.

Re-booting the System

A system reboot:

- Enables you to get Digital DEC/EDI ready for use
- (Server systems only) Ensures that the edits to the system startup command file are correct
- Establishes any new parameter settings

Note, however, that rebooting is optional. You can reboot your system after you have installed Digital DEC/EDI, edited the system startup and shutdown files, and reset the system parameters if necessary.

Re-naming the Digital DEC/EDI Error Log

This section applies to:
Server systems.
Digital DEC/EDI's main error log file on the Server is DECEDI$ERROR:DECEDI$ERRORS.LOG. This file can become quite large, so it is a good idea for you to rename it whenever you reboot your system. You may want to add a suitable command to your system startup procedure so that it renames this file.
You can reduce the speed with which the error log grows by defining the logical name DECEDI$LOG SEVERITY to be "WARNING". This restricts Digital DEC/EDI to logging only those errors of severity WARNING and higher. You must add your definition to the following file:
SYS$MANAGER:DECEDI$SYLOGICALS.COM

Modifying User Accounts

This section applies to Server systems.

Page File Quota

You must make sure that the account for each person who is going to use the Digital DEC/EDI INTERCHANGE command has a paging file quota of at least 60,000.

Access From a Local Client

If you intend to use a local Client to communicate with the Server, then all user accounts that will use the Client interface must have the following:
The Digital DEC/EDI FBR$OPERATIONS process rights identifier.
The same minimum account quotas as for the DECEDI account, see Table 6-4 *Process Account Quotas*
See *Defining Mapping Service Rights* on page 6-43 for a description of the following process rights identifiers:

```
FBR$SUPERVISOR
FBR$DEVELOPMENT
FBR$OPERATIONS
```

Adding Symbols to User's LOGIN.COM

For the Digital DEC/EDI Mapper to function properly, each user must have the following symbol in the login.com file:

```
$ FBR$DECEDI_EXTRACT :== $SYS$SHARE:FBR$DECEDI_EXTRACT
```

Determining and Reporting Problems

If an error occurs while Digital DEC/EDI is being used and you believe that the error is caused by a problem with Digital DEC/EDI, take one of the following actions:

- If you have a BASIC or DECsupport Software Agreement, you should call your Customer Support Center. (With these services, you receive telephone support that provides high-level advisory and remedial assistance.)
- If you have a Self-Maintenance Software Agreement, you can submit a Software Performance Report (SPR).
- If you purchased Digital DEC/EDI within the past 90 days and you think the problem is caused by a software error, you can submit a Software Performance Report (SPR).

When you find an error in the Digital DEC/EDI documentation, please fill out and submit the Reader's Comments form at the back of the document in which the error was found. Include the section and page numbers where the errors were found.

The DECEDI Account

This section applies to both Server and Client systems.
The installation creates an account with a username of DECEDI. This account has only network access, and has the quotas listed below that are required to run Digital DEC/EDI. Note, the DECEDI account is used only by Digital DEC/EDI processes, not Digital DEC/EDI users.

Table 6-7 Quotas for the DECEDI Account

Quota	Value
ASTLM	2,000
BIOLM	300
BYTLM	200,000
DIOLM	300
ENQLM	10,000
FILLM	1,000
JTQUOTA	4,096
PGFLQ	60,000
PRCLM	20
TQELM	1,000
WSDEF	2,048
WSEXTENT	8,192
WSQUO	4,096

If you are planning to use the V4.0 Support Services, it may be necessary to increase the value of the DECEDI account quotas to suit the traffic.
For a busy system where the maximum number of extra Copy, Rippleback, DECnet or Application fileserver processes is 1 or more, then it is recommended to at least double the account quotas, and possibly increase some of the system parameters.
If messages appear in the error log file from any of the fileserver processes complaining that quotas are too low, or serious unexpected errors appear, for example from RMS or RDB, these are likely symptoms of low quotas.

Increasing Disk Quota

This section applies to Server systems.

If disk quotas are enabled on the system disk, or any disk that you use for Digital DEC/EDI data, you need to make sure that the DECEDI account has a suitable amount of disk quota for those disks.

The value depends on how busy your Digital DEC/EDI system is, but 100,000 free blocks is probably enough to start with.

If you need to find out how much quota the DECEDI account has, or change its quota, use DISKQUOTA.

For example, to find out the current quota:

```
$RUN SYS$SYSTEM:DISKQUOTA
DISKQ>SHOW DECEDI
DISKQ>EXIT
```

To give the DECEDI account a permanent quota of 100,000 blocks:

```
$RUN SYS$SYSTEM:SYSMAN
SYSMAN>DISKQUOTA MODIFY DECEDI/PERMANENT=100000
SYSMAN>EXIT
```

Calculating the Required Number of Processes

Once you have installed Digital DEC/EDI you may need to modify the quota depending upon the number of processes you wish to run.
To calculate the required number of processes, determine the required number of extra:

- EDIFACT converters (XEDIFC) and translators (XEDIFT)
- X12 converters (XX12C) and translators(XX12T)
- TRADACOMS converters (XTCOMC) and translators (XTCOMT)
- Gateways

The total number of Digital DEC/EDI processes is the sum of the processes in Table 6-8 *Digital DEC/EDI Processes*:

Table 6-8 Digital DEC/EDI Processes

Process	Number
Data Server	1
Communication	1 Control
Import/Export	1 (optional) Gateway
3780Plus Gateway	1 (optional)
OFTP Gateway	1 (optional)
X.25 Gateway	1 (optional)
X.435 Gateway	1 (optional)
EDIFACT Service	4 + XEDIFC + XEDIFT (optional) (incl. ODETTE)
X12 Services	(incl. 3 + XX12C + XX12T (optional) TDCC)
TRADACOMS	2 + XTCOMC + XTCOMT (optional)

You should add this total to the number of processes you normally run on your system and then add any extra processes required for layered products that you have installed with Digital DEC/EDI.
Compare this total with your current setting for the maximum number of processes (MAXPROCESSCNT). If necessary, increase the values of MAXPROCESSCNT to the total you have just calculated.

Minimum Recommended Value

We recommend that the minimum value for MAXPROCESSCNT is 64.

Modifying Quota for the DECEDI Account

When you have calculated the number of processes you need, you may need to increase some of the quotas. The following sections describe how to calculate certain quotas on Server systems.

Calculating the WSEXTENT Value

To calculate the value of WSEXTENT, do the following:
To make sure the Digital DEC/EDI Converter has access to enough virtual memory, you should set the WSEXTENT value for the DECEDI account to at least the following value:

- WSEXTENT = 8,192 + (external document size * 100)

  where:

  WSEXTENT sizes are in pages (512 bytes)

  external document size is the size, in Kbytes, of the external format file created by the converter.

For example, for Digital DEC/EDI to handle a 70 kilobyte document efficiently, the quota should be as follows:
WSEXTENT = 8,192 + (70*100) = 15192 pages

If the value of WSEXTENT that you need is larger than the default values for the DECEDI account, see Table 6-4 *Process Account Quotas*, you should increase the DECEDI account value. If it is smaller, keep the default value because other Digital DEC/EDI components needs at least the default value for this process quota.
If WSEXTENT exceeds the system parameter WSMAX you should increase WSMAX by adding the new value to MODPARAMS.DAT and use AUTOGEN to modify WSMAX.

Calculating the ENQLM Value

The EDIFACT and X12 transmission file builders lock each document when they place it in a transmission file. The lock is released when the file is successfully built.
The ENQLM quota must be large enough to cope with the maximum number of documents allowed in a transmission file.

EDIT PROFILE sets up various parameters which control the number of documents that can be placed in a transmission file.
These are:

- TPF MDPG L, Maximum documents per group
- TPF MGPI L, Maximum groups per interchange
- TPF MIPF L, Maximum interchanges per transmission

The maximum number of locks therefore needed by the transmission file builder for a transmission to a particular trading partner is:
MIPF l * MGPI L * MDPG L +1 (for the transmission file)
For EDIFACT, if functional groups are not used, then MGPI L=1

Ownership of the DECEDI Account

The installation procedure creates the DECEDI account with an owner of "DECEDI". You should not need to change this, but if you do so, do not include spaces in the name of the owner. If you put spaces there, any subsequent reinstallation of Digital DEC/EDI will fail.

Account privileges on the DECEDI Account

The installation procedure grants the following privileges to the DECEDI account:

- NETMBX TMPBMX

The NETMBX privilege is required so that Digital DEC/EDI processes can communicate.
You should not need to modify the privileges granted to the DECEDI account.

Defining Mapping Service Rights

Mapping Service security facilities prevent accidental insertion or loss of documents and reduce the risk of fraudulent use of Mapping Service processing. Mapping Service security facilities make use of OpenVMS rights identifiers.
You will need to make sure that each person who is going to use Mapping Service has been assigned at least one of the following rights.
The installation procedure has already added them to the OpenVMS rights database, but they must be assigned to each Mapping Service user manually.

- FBR$SUPERVISOR
- FBR$DEVELOPMENT
- FBR$OPERATIONS

More on Authorize

The OpenVMS documentation on the AUTHORIZE Utility explains how to assign an identifier to a user.

The Rights Database

The OpenVMS rights database provides the security facilities for Mapping Service. At most sites, the rights facility's system manager maintains this database.

To use Mapping Service, you must be assigned one or more of the three Mapping Service rights categories:

1. FBR$SUPERVISOR

   This is the most privileged category. It provides special supervisory rights. With this assignment, you also have the rights permitted in the other two categories.

2. FBR$DEVELOPMENT

   This provides the next level of access development rights. This user can modify the Mapping Service table and run test runs, but cannot perform production tasks.

3. FBR$OPERATIONS

   Users assigned to this category generally only process documents in a production environment, preferably a production library.

FBR$SUPERVISOR

When assigned FBR$SUPERVISOR, you can edit the Mapping Service tables and set the TEST INDICATOR to LIVE. The FBR$SUPERVISOR category also includes the rights assigned by the FBR$DEVELOPMENT and FBR$OPERATIONS categories.

A user with FBR$SUPERVISOR rights is the only one who can set the TEST INDICATOR to LIVE, and therefore allow a Mapping Service table to be used for production. As such, you must create and maintain one or more directories that contain specifications for the files and images used in processing. These specifications are listed below.

Set the protection on this directory or set of directories with the DCL SET PROTECTION.

Production specifications affect the following files and images:

- Mapping Service tables.

  The TEST INDICATOR option in the Mapping Service table should not be set to LIVE until the table has been copied from the development environment into the production library. The supervisor must also set the options to enable the audit and history points as required by the installation, and then compile the Mapping Service table.

- Audit Database.

  The audit database resides in the directory identified by the system logical, FBR$LIBRARY, which is defined at installation time. This directory should have READ permission for those with Mapping Service rights, plus any access for FBR$SUPERVISOR. The database must be created with granted rights of INSERT and READ for the EVENT relation.

- Hook Shared Images.

  Since part of Mapping Service processing can be performed in the customization routines at hook points, these hook shared images must be protected from unauthorized modification. Put these images into their own directory. This should not be the FBR$LIBRARY directory but could be a subdirectory under FBR$HOME. You can define a system logical, for example FBR HOOKS, to point to this directory. The supervisor must set the Shared Image filename in the Mapping Service table to point to the appropriate directory before compiling the table.

- History files.

  A directory should be created that has WRITE access for those with FBR$DEVELOPMENT and FBR$OPERATIONS rights. Specify this directory in the logical FBR$HISTORY to indicate where history files are to be written.

FBR$DEVELOPMENT

Assignment to the FBR$DEVELOPMENT category allows the user to create and modify Mapping Service tables using the User Interface, but the TEST INDICATOR option cannot be set to LIVE. This user can also execute the Mapping Service runtime program, but cannot use it with a Mapping Service table that has the TEST INDICATOR option set to LIVE. If for any reason a fetch for Digital DEC/EDI obtains a LIVE document, the document is assigned QUIT (allowing it to be placed back in the DEC /EDI Application Server Available Documents Pool) and the program is aborted with an error message.

FBR$OPERATIONS

With this right, the user can execute the Mapping Service runtime program using a Mapping Service table that has the TEST INDICATOR set to LIVE. If the Mapping Service runtime program gets a document with a TEST INDICATOR not set to LIVE while processing documents with a Mapping Service table whose TEST INDICATOR is set to LIVE, the document will be aborted.
This right does not imply FBR$DEVELOPMENT rights. If this user must also process TEST data, then the FBR$DEVELOPMENT right must also be granted.

Upgrades - Data Migration

Important! During upgrades, the database is automatically migrated during the upgrade to V4.0.

Files Created During Installation

For more details of the files installed by the installation of Digital DEC/EDI, please refer to Appendix J *OpenVMS Installation - Directory and File Listing*.

Chapter 7 Other Platforms - Installation of Digital DEC/EDI Application Client

This chapter describes installation of Digital DEC/EDI Application Client onto the following platforms:

- Sun Solaris
- HP-UX
- RedHat Linux
- Windows NT/2000/XP

Introduction

The preparations necessary for a successful installation are described and then the installation process is detailed. Some post-installation tasks are included for information.

Preparing to Install on HP-UX

This chapter describes the tasks that you should carry out before installing the Digital DEC/EDI Client on an HP-UX system. It also describes the prerequisites for installing the Digital DEC/EDI Client.

Reading the Online Release Notes

Digital DEC/EDI Application Client provides online release notes. Digital strongly recommends that you read the release notes before using the product. The release notes may contain information about changes to the application.The release notes for Digital DEC/EDI Application Client are in the following file:

```
/usr/doc/DECEDI400.release_notes
```

You can use the following command to read the release notes after Digital DEC/EDI Application Client is installed:

```
# more /usr/doc/DECEDI400.release_notes
```

Checking the Software Distribution Kit

Use the Bill of Materials (BOM) to check the contents of your Digital DEC/EDI Application Client software distribution kit.
If your software distribution kit is damaged or incomplete, contact your Digital representative.

Checking Installation Procedure Requirements

This Chapter discusses requirements for installing Digital DEC/EDI Application Client. Installing Digital DEC/EDI Application Client, including running the Installation Verification Procedure (IVP), which takes approximately 2 minutes, depending on your type of media and system configuration.

Checking Login Privileges

You must have superuser privileges to install the Digital DEC/EDI Application Client software.

Checking Hardware Requirements

To install Digital DEC/EDI Application Client, you need the following hardware:

- Terminal

You can use either a hardcopy or video terminal to communicate with the operating system and respond to prompts from the installation procedure. See the Digital DEC/EDI Application Client Software Product Description (SPD) for additional hardware requirements.

Checking Software Requirements

Digital DEC/EDI Application Client V4.0 requires the HP-UX operating system Version 10.20.
This operating system includes TCP/IP, which must be configured as described in an applicable HP UNIX installation guide. Digital DEC/EDI Application Client also requires that an Network Interface subset is loaded on the system where you install Digital DEC/EDI Application Client.
Refer to the Software Product Description (SPD) for details about the version number required for this release. Refer to the SPD for details of the version number.

Determining Which Subsets to Load

You must choose which Digital DEC/EDI Application Client subsets you want to load. The subsets have the following titles:

- Digital DEC/EDI V4.0 HP-UX Client.

  The Client software.

- Digital DEC/EDI V4.0 HP-UX Client Man Pages.

  Reference manual pages for Client's command line interface.

Determining Disk Space Requirements

The Table below list the disk space requirements for loading Digital DEC/EDI Application Client software subsets: you need this space available on the disks where you choose to load the software subsets. The figures shown are peak requirements. After installation, slightly less disk space is required. The tables list the disk space requirements per directory which is relevant if you are doing installations on systems where these directories are mount-points for different disk partitions.

Table 7-1 Space Required for Client and Client Man Pages

Directory	Client (Kb)	Client Man Pages (Kb)
/usr	500	100
/var	5	-
/etc	50	-
Total	660	100

Using these disk space requirements, total the values for the subsets you will load in each directory. Compare the space required for subsets with the free space currently on the disks where Digital DEC/EDI Application Client files will reside.

To determine the amount of disk space available on your system, enter the df command. The available spacelisted must accommodate the requirements listed in the tables above.

Backing Up Your System Disk

Digital recommends that you back up your file systems before installing any software. For information about backing up your file systems, see the HP-UX system documentation.

Preparing to Install on Sun Solaris

This section describes the tasks that you should carry out before installing the Digital DEC/EDI Client on an Sun Solaris system. It also describes the prereqisites for installing the Digital DEC/EDI Client.

Reading the Online Release Notes

Digital DEC/EDI Application Client provides online release notes. DIGITAL strongly recommends that you read the release notes before using the product. The release notes may contain information about changes to the application.
The release notes for Digital DEC/EDI Application Client are in the following file:

```
/usr/doc/DECEDI400.release_notes
```

You can use the following command to read the release notes after Digital DEC/EDI Application Client is installed:

```
# more /usr/doc/DECEDI400.release_notes
```

Checking the Software Distribution Kit

Use the Bill of Materials (BOM) to check the contents of your Digital DEC/EDI Application Client software distribution kit. If your software distribution kit is damaged or incomplete, contact your DIGITAL representative.

Checking Installation Procedure Requirements

This Chapter discusses requirements for installing Digital DEC/EDI Application Client. Installing Digital DEC/EDI Application Client, including running the Installation Verification Procedure (IVP), takes approximately 1 minute, depending on your type of media and system configuration.

Checking Login Privileges

You must have superuser privileges to install the Digital DEC/EDI Application Client software.

Checking Hardware Requirements

To install Digital DEC/EDI Application Client, you need the following hardware:

- Terminal

You can use either a hardcopy or video terminal to communicate with the operating system and respond to prompts from the installation procedure. See the Digital DEC/EDI Application Client Software Product Description (SPD) for additional hardware requirements.

Checking Software Requirements

Digital DEC/EDI Application Client V4.0 requires the Sun Solaris operating system V2.6. or above.
This operating system includes TCP/IP, which must be configured as described in the applicable Sun Solaris installation guidebook.

Determining Which Subsets to Load

You must choose which Digital DEC/EDI Application Client subsets you want to load.
The subsets have the following titles:

- Digital DEC/EDI V4.0 Sun Solaris Client.

  The Client software.

- Digital DEC/EDI V4.0 Sun Solaris Client Man Pages.

  Reference manual pages for Client's command line interface.

Determining Disk Space Requirements

The tables below list the disk space requirements for loading Digital DEC/EDI Application Client software subsets: you need this space available on the disks where you choose to load the software subsets.
The figures shown in these tables are peak requirements. After installation, slightly less disk space is required. The tables list the disk space requirements per directory. This is relevant if you are doing installations on systems where these directories are mount points for different disk partitions.

Table 7-2 Space Required for Client and Client Man Pages

Directory	Client (Kb)	Client Man Pages (Kb)
/usr	500	100
/var	5	-
/etc	50	-
Total	**660**	**100**

Using these disk space requirements, total the values for the subsets you will load in each directory. Compare the space required for subsets with the free space currently on the disks where Digital DEC/EDI Application Client files will reside. To determine the amount of disk space available on your system, enter the df command.

Backing Up Your System Disk

Digital recommends that you back up your file systems before installing any software. For information about backing up your file systems, see the Sun Solaris system documentation.

Installing the Digital DEC/EDI Client

This section describes how to install the Digital DEC/EDI Application Client.
Before you start the installation, read Chapter 5 *UNIX - Installation of Digital DEC/EDI Server and Application Client*, The first part of this chapter describes how to enter `(setld)` to start the installation procedure. The way you do this depends on whether you are installing:

- Locally, using CD-ROM media
- From a server area

Installing From CD-ROM Consolidated Distribution Media

This procedure is for Sun Solaris only. It loads Digital DEC/EDI Application Client files on to a disk belonging to the system where you perform the installation. When Digital DEC/EDI Application Client is run, its executable images are mapped into memory on your system.
Follow these steps to install Digital DEC/EDI Application Client from CDROM media:

1. Mount the media on the appropriate disk drive.
2. Log in as superuser (login name root) to the system where you will install the Digital DEC/EDI Application Client.
3. Move to an area on disk (for example, /kits) where you have some space to unpack the tar file. # cd /kits You need approximately 800 Kb.
4. Copy the files from the CD-ROM onto disk by using the tar command:

   ```
   # tar -
   xvf/cdrom/sun_solaris/decedi0400_sun_client.tar
   ```

   This creates an output directory from which you can install the kit. The tar command also puts a copy of the setld command in the /etc area. Use it to install the client software, as follows:

   ```
   # /etc/setld -l output
   ```

   The installation procedure now displays the names of the Digital DEC/EDI Application Client subsets, and asks you to specify the subsets you want to load.

See Chapter 4 to continue the installation.

Installing From an RIS Distribution Area

If you are installing Digital DEC/EDI Application Client subsets that reside in an etc/ris RIS distribution area on a remote system, follow these steps:

1. Log in as superuser (login name root) to the system where you will install Digital DEC/EDI Application Client.
2. Make sure you are at the root directory (/) by entering the following command:

   ```
   #cd /
   ```
3. Enter a setld command that requests the load function -l option and identifies the system where the Digital DEC/EDI Application Client subsets are located. For example, if you are loading Digital DEC/EDI Application Client subsets from a RIS distribution area on node orion, enter the following:

   ```
   #setld -l orion:
   ```
   Remote Installation Services now displays a menu that lists all the software subsets available to you and asks you to specify the subsets you want to load.

See *Running the Installation Procedure* on page 7-9 to continue the installation.

Running the Installation Procedure

Once you have entered the setld) command to install the software, the system takes you through a dialogue in which you are prompted for details about how the installation is to take place.
At each prompt during the dialogue, you can do any of the following:

1. Enter your reply and press <KEY>(Return).
2. Abort the installation by pressing <KEY>(Ctrl/C).

There are some minor differences in the Sun Solaris and HP-UX dialogues. For a full listing of the dialogues, see Appendix G *Sun Solaris Client* or Appendix H *HP-UX Client*, depending on which platform you are installing on.
If you encounter any failures during the installation dialogue, see (error_messages_app).

Specifying Subsets

You are prompted to specify which Digital DEC/EDI Application Client subsets you want to load. For example, when installing the Digital DEC/EDI Client on Sun Solaris, the dialogue is as follows:

```
Enter Subset Selections
The subsets listed below are optional:
   1 Digital DEC/EDI V4.0 Sun Solaris Client
   2 Digital DEC/EDI V4.0 Sun Solaris Man Pages
   3 All of the Above
   4 None of the Above
   5 Exit without installing subsets
Enter your choice(s):
```

If you specify more than one number at the prompt, separate each number with a space, not a comma.

Note: *Note that if you are installing from a RIS distribution area, the number of subsets can vary, depending on what products are available in the RIS area and how many subsets they have.*

Next, the dialogue lets you verify your choice. For example, if you enter 3 in response to the previous prompt, you will see the following display:

```
   You are installing the following optional subsets:
   Digital DEC/EDI V4.0 Sun Solaris Client
  Digital DEC/EDI V4.0 Sun Solaris Man PagesIs this
  correct? (y/n):
```

If the displayed subsets are the ones you want to load, enter y.
If the displayed subsets are not the ones you intended to choose, enter n.
In this case, the subset selection menu is again displayed and you can correct your choice of optional subsets.

Messages Displayed During the Loading Process

The installation procedure loads and verifies the selected Digital DEC/EDI Application Client subsets. During this process, you see a sequence of messages on the screen.

When you see the “Verifying” message during the subset installation, the installation procedure is checking to see that the files are copied correctly; it is not an Installation Verification Procedure (IVP) message.

After Client Installation

This section explains what you need to do after the installation to make Digital DEC/EDI Application Client ready for use.

After the Client Installation

After installing the Digital DEC/EDI Client, you must:

- Run the Digital DEC/EDI Installation Verification Procedure (IVP)
- Delete any older Digital DEC/EDI client from your system

Refer to Part 3 for advice on any database migration tasks that you may need to complete

Running the Installation Verification Procedure

After installing Digital DEC/EDI Application Client, you can run the Installation Verification Procedure (IVP) independently to verify that the software is available on your system. You might also want to run the IVP after a system failure to be sure that users can access Digital DEC/EDI Application Client.
The Digital DEC/EDI Application Client IVP verifies the installation as follows:
· Checks that the client subset is installed.
To run the IVP after an installation, enter the following command, where subsetname can be any Digital DEC/EDI Application Client subset:

```
# setld -v subsetname
```

For a sample Digital DEC/EDI Application Client IVP, see appropriate:

- (sample_listing_ivp_osf)
- (sample_listing_ivp_ux).

If the verification process fails, look in the `/var/adm/fverify.log` file for information to help diagnose the problem.

Deleting Digital DEC/EDI Application Client from Your System

If you must remove a version of Digital DEC/EDI Application Client from your system, delete each subset that you previously installed. To delete subsets:

1. Log in as superuser (login name root)).
2. Make sure you are at the root directory (/) by entering the following command:

   ```
   # cd /
   ```

3. Enter the following setld) command (you may need to use the Bourne shell sh to run setld):

   ```
   # setld -i | grep DEDI
   ```

For example:

```
# setld -i | grep -i dediclt
DEDICLT400     installed  Compaq DEC/EDI Client
DEDICLTMAN400  installed  Compaq DEC/EDI Client Man
                          Pages
```

4. Look for the word “installed” in the listing produced, and then delete the installed subsets.

   For example:

   ```
   # setld -d DEDICLT400 DEDICLTMAN400
   Deleting "Compaq DEC/EDI Client Man Pages"
   (DEDICLTMAN400).
   Deleting "Compaq DEC/EDI Client" (DEDICLT400).
   ```

DIGITAL DEC/EDI Application Client on Redhat Linux

Preparing to Install on Redhat Linux

This section describes the tasks that you should carry out before installing the DIGITAL DEC/EDI Client on a Redhat Linux system. It also describes the prerequisites for installing the DEC/EDI Client.

Reading the Online Release Notes

DEC/EDI Application Client provides online release notes. DIGITAL strongly recommends that you read the release notes before using the

product. The release notes may contain information about the application. The release notes for DEC/EDI Application Client are in the following file: /usr/doc/decediv40.release_notes

Checking the Software Distribution Kit

Use the Bill of Materials (BOM) to check the contents of your DEC/EDI Application Client software distribution kit. If your software kit is damaged or incomplete, contact your DIGITAL representative.

Checking the Installation Procedure Requirements

Installing DEC/EDI Application Client approximately takes 1min, depending on your type of media and system configuration.

Checking Login Privileges

You must have superuser privileges to install the DEC/EDI Application Client software.

Checking Hardware Requirements

To install DEC/EDI Application Client, you need the following hardware:
-Terminal
You can use either a hardcopy or video terminal to communicate with the operating system. See the DEC/EDI Application Client Software product Description (SPD) for additional hardware requirements.

Checking Software Requirements

DEC/EDI Application Client V4.0 requires the Redhat Linux operating system 6.2.
This operating system includes TCP/IP, which must be configured as described in the applicable Redhat Linux installation guidebook.

Determining Disk Space Requirements

The tables below list the disk space requirements for loading DEC/EDI Application Client software: you need this space available on the disks where you choose to load the software.
The figures shown in these tables are peak requirements. After installation, slightly less disk space is required. The tables list the disk space

requirements per directory. This is relevant if you are doing installations on systems where these directories are mount points for different disk partitions.

Table 7-3 Space required for Client and Client Man pages.

Directory	Client (Kb)	Client Man Pages (Kb)
/usr	500	100
/var	10	-
Total	**610**	**100**

To determine the amount of disk space available on your system, enter the following command.

```
# df
```

Backing up your System Disk:

DIGITAL recommends that you back up your file systems before installing any software. For information about backing up your fily systems, see the Redhat Linux system documentation.

Installing from the Distribution Media

This procedure is for Redhat Linux only. It loads DEC/EDI Application Client files on to a disk belonging to the system where you perform the installation. When DEC/EDI Application Client is run, its executable images are mapped into memory on your system.
Follow these steps to install DEC/EDI Application Client:

1. Mount the media on the appropriate disk drive
2. Log in as superuser (login name: root) to the system where you will install the software
3. Move on to the area where you have sufficient disk space to untar the file, and issue the following command:

   ```
   # tar -xvf /cdrom/decedi0400_linux_client.tar
   ```
   This untars the files into the new directory output

4. Use Redhat Package Manager (rpm) tool to install the software by issuing the following command

   ```
   # rpm -i DEDI-4-0.i386.rpm
   ```

   This will install both the Client software and the man pages.

After Client Installation

Running the Installation verification procedure

1. After completion of the installation, verify for the

   ```
   # rpm -V DEDI
   ```

   This command verifies the DEDI-4-0 installed on your system. The log shows any failures in the installation.

Configuring the Applicatin Client

You must configure the Application Client before you can user. The following command configures the application.

```
#/usr/bin/decedi_config.sh
```

Deleting DEC/EDI Application Client from your System

If you must remove a version of DEC/EDI Application Client from your system, you need to perform the following:

1. Log into the system as superuser
2. Query the RPM to view the installed DEC/EDI products

   ```
   # rpm –q DEDI
   ```

3. Issue the following command to uninstall the product you selected (e.g. DEDI-4-0)

   ```
   # rpm –e DEDI-4-0
   ```

4. This removes the client software from your system.

Refer APPENDIX I for installation, configuration, deinstallation logs and File listing.

DIGITAL DEC/EDI Application Client on Windows NT/ 2000/ XP

Preparing to Install on Windows NT/ 2000/ XP

This section describes the tasks that you should carry out before installing the DEC/EDI Client on a Windows NT/ 2000/ XP system. It also describes the prerequisites for installing the DEC/EDI Client.

Reading the Online Release Notes

DEC/EDI Application Client provides online release notes. DIGITAL strongly recommends that you read the release notes before using the product. The release notes may contain information about changes to the application.
The release notes for DEC/EDI Application Client are in the following file:

```
decediv40.release_notes
```

Checking the Software Distribution Kit

Use the Bill of Materials (BOM) to check the contents of your DEC/EDI Application Client software distribution kit. If your software kit is damaged or incomplete, contact your DIGITAL representative.

Checking the Installation Procedure Requirements

This Chapter discusses requirements for installing DEC/EDI Application Client. Installing DEC/EDI Application Client approximately takes 1min, depending on your type of media and system configuration.

Checking Login Privileges

Any User who has enough privileges to install software, can install the DEC/EDI Application Client software.

Checking Hardware Requirements

To install DEC/EDI Application Client, you need the following hardware:
Terminal
See the DEC/EDI Application Client Software product Description (SPD) for additional hardware requirements.

Checking Software Requirements

DEC/EDI Application Client V4.0 requires the Windows NT/ 2000/ XP operating system.

Determining Disk Space Requirements

The tables below list the disk space requirements for installing DEC/EDI Application Client software: you need this space available on the disk where you choose to install the software.
The figures shown in these tables are peak requirements. After installation, slightly less disk space is required. The tables list the disk space requirements of the directory in which the Client is going to be installed.

Table 7-4 Space required for Client and Help

Directory	Client (Mb)
Installation directory	1.8
Total	**1.8**

Installing from the Distribution Media

This procedure is for Windows NT/ 2000/ XP only. It installs DEC/EDI Application Client software on to system where you perform the installation.
Follow these steps to install DEC/EDI Application Client:

1. Log in to the system where you will install the software
2. Insert the Product CD into the CD drive
3. Go to the directory Platforms/Win32/Client
4. Double click on the Compaq DEC/EDI Application Client self-extracting executable. This starts the installation procedure, which itself guides you for the installation.

After Client Installation, you are required to perform the following configuration:

1. Copy decedi_servers.template file to decedi_servers.dat and place it in the Application Client installation directory itself.
2. The Application Client software uses this file to connect to the Compaq DEC/EDI Server.
3. Open decedi_servers.dat in a text editor and edit the contents as mentioned therein and save the modifications.

Refer APPENDIX J for complete file listing.

Deleting DEC/EDI Application Client from your System

If you must remove DEC/EDI Application Client from your system, you need to perform the following:

1. Log in to the system.
2. Select Control Panel->Add/Remove Programs-> Compaq EDI Application Client
3. This uninstalls the DEC/EDI Application Client software from your machine.

Chapter 8 Managing Message Updates

This chapter describes the installation of Digital DEC/EDI Message Updates by the System Manager or Administrator, onto the following platforms:

- Tru64 UNIX
- OpenVMS

Introduction

Messaging standards are normally input during the installation process. This is covered in the following chapters:

- Chapter 5 *UNIX - Installation of Digital DEC/EDI Server and Application Client*
- Chapter 6 *OpenVMS - Installation of Server and Client*

The following features which are provided through the Message Update Services are covered in this chapter as shown below:

- Installing new versions of an EDI Standard. See *Installing New Versions of EDI Standards* on page 8-3.
- Creating a new version from an existing version. See *Copying Existing Versions to New Ones* on page 8-4.
- Copying data labels for a version of a standard to a different versions. See *Copying Data Labels Between Versions* on page 8-4.
- Deleting a version of an EDI standard. See *Deleting a Version of an EDI Standard* on page 8-4.

Using the Message Update Services

Tru64 UNIX

The Message Update Service Tool is installed in the directory `/usr/sbin` with the name `decedi_must`.

To invoke the Message Update Service Tool:

- The Digital DEC/EDI database must exist.
- You must be logged into the `root` account

```
# decedi_must
```

When you run the tool, you are presented with a menu of options (See *Tru64 UNIX and OpenVMS* on page 8-3).

OpenVMS

To invoke the Message Update Service Tool:

- The Digital DEC/EDI data server must be running.
- You must be logged into an authorised account

```
$ RUN DECEDI$TOOLS:DECEDI$MESSAGE_UPDATES.EXE
```

When you run the tool, you are presented with a menu of options (See *Tru64 UNIX and OpenVMS* `on page 8-3`).

Tru64 UNIX and OpenVMS

The following sections describe each of the options.

Installing New Versions of EDI Standards

If you elect to install new versions of EDI standards from the messages directory you are presented with a menu of all of the standard version files installed on your Server:

You can choose to install one version of a standard at a time, or all versions of a standard. Installation of a version of standard involves translating the standard definition in the supplied IMPDEF message file into Digital DEC/EDI format. This may be time consuming.

If multiple versions of a standard are required, it can be more efficient to select ALL versions of a standard, and leave the installation running. Versions of standards that are not required can be removed by using the *delete version* option.

If a selected version already exists in the database, then you are asked if the installation should continue.

Once a version of a standard has been installed, that version can not be used by Digital DEC/EDI until Data Labels have been defined for that version. This is done by using the Data Label Generator. When the `exit` option is selected from the install menu, a reminder about Data Labels is displayed on the screen.

If a problem is detected during the installation of a version of a standard then the Message Update Service Tool ensures that the standards database is not left in a corrupt state. It does this by removing any parts of the standard definition that had been installed by the installation process.

Copying Existing Versions to New Ones

If you elect to copy an existing version of a standard to a new version of the same standard then a menu listing all of the versions currently installed on Digital DEC/EDI is displayed.

On selecting a version of a standard to copy you are prompted for the name of the new version to be created. The Digital DEC/EDI Message Update Service Tool then copies the existing version of the standard to the new version.

Copying Data Labels Between Versions

If you elect to copy the Data Labels associated with one version of a standard to a different version of the same standard, a menu is displayed, listing all of the versions currently installed.

On selecting a version to copy from, you are prompted for a version to copy to.

Deleting a Version of an EDI Standard

If you elect to delete a version of a standard, then a menu is displayed, listing all of the versions that are currently installed.

On selecting a version to delete, the specified version is deleted, and a menu of remaining standards and versions is displayed. Enter the menu number of the standard and version to remove.Before deleting the a version of a standard, the Message Update Service Tool searches all of the trading partner profiles on the Server for any that use the specified standard and version.

If any profiles are found then the tool displays a warning message, and prompts you to indicate whether the delete processing should continue.

Dealing with Recovery

The Digital DEC/EDI Message Update Service Tool has built-in recovery processing to prevent standards definitions in the database from becoming corrupt.

If, for any reason, execution of the Message Update Service Tool is halted while it is updating the database, then it is likely that the database will have been corrupted.

When it is next run, the tool detects that the database is corrupt. You are offered the choice of continuing with the action that the tool was performing at the time of interruption, or removing the corrupt version from the database.

Where to Look If Things Go Wrong

If problems occur while you are using the Message Update Service Tool, error messages are recorded in the Message Update Services Log File. This file is named `DECEDI_MUS.LOG` and it is created in your default directory.

If the Message Update Service Tool detects an error, and a log file does not already exist in your directory, a new log file is created, and the error message appended to the new file.

If a log file does exist in your default directory, then the error is appended to the existing file.

The log file may contain the following classes of message:

- %MUS-E- : Error Messages.
- %MUS-W- : Warning Messages.
- %MUS-I- : Informational Messages.

The main use of the log file is to aid your Digital DEC/EDI Support centre in solving any problems that occur.

If a log file is created during the execution of the Digital DEC/EDI Message Update Service Tool, and it contains messages other than informational messages, then it is recommended that you contact your Digital DEC/EDI Support centre.

Chapter 9 Installing Digital DEC/EDI Cockpit and CommandCenter

This chapter describes the installation of Digital DEC/EDI Cockpit and CommandCenter, by the System Manager or Administrator, onto PCs running the following:

- Windows NT/2000/XP

Pre-Installation Tasks

In preparing to install a Cockpit or a CommandCenter kit, there are three groups of tasks to complete:

- Check the contents of your Cockpit or CommandCenter kit
- Make sure that you have at least the pre-requisite hardware to run Cockpit or CommandCenter
- Make sure that pre-requisite software applications are installed correctly on your computer setup.

Check your Cockpit or CommandCenter Kit

There are two kits:

- The CommandCenter kit
- The Cockpit kit

Note that Cockpit and Commandcenter kits are separately ordered items.

CommandCenter Kit

The CommandCenter kit contains the following component:

- CommandCenter (including Cockpit)

Cockpit Kit

The Cockpit kit contains the following component:

- Cockpit

Check for Prerequisite Hardware

The products have the following hardware requirements:

- 80486sx processor or better.
- VGA monitor or better (SVGA is recommended for CommandCenter).
- 64 Mb or more of main memory (RAM). 64 Mb are recommended.

  64 Mb of main memory for Windows NT. 128 Mb are recommended.
- Sufficient hard disk space to 'unpack' the Digital DEC/EDI components before they are installed. The demand for disk space during installation is approximately ***double*** that occupied by each component when installation is complete. The disk space requirements are:
  - Cockpit requires 4 Mb. Therefore, during installation, you need 8 Mb.
  - CommandCenter requires 10 Mb. Therefore, you may require up to 20 Mb.

  In total, you may require ***up to 28 Mb*** of hard disk space during installation.
- A CD-ROM reader (for CommandCenter only)
- A LAN connection.
- A mouse or compatible pointing device.

Check for Prerequisite Software

The following software must be installed and running on the personal computer before you install Cockpit or CommandCenter. You should install these products in the order in which they are listed:

- Microsoft Windows NT, Windows 2000 or Windows XP.

Rdb

- Oracle ODBC driver for Rdb, Version 2.0.20, 2.10.11 (32-bit driver).

Oracle 8i

Supported Oracle 8i and SQL*NET combinations are outlined in the following short sections:

On Windows NT:

- Oracle 8i ODBC driver (32-bit driver), Version 8.00.03.00 or higher
- Oracle SQL*NET Client Version 2.3.4 or higher
- Oracle 8i Required Support Files 7.2.2.3.1 or higher

On Windows 2000:

- Oracle 8i ODBC driver, Version 1.13.5.0.0A or higher
- Oracle SQL*NET Client, Version 2.2.2.1.0 or higher
- Oracle TCP/IP Protocol Adapter (V2), Version 2.2.2.1.0 or higher

Backup your Hard Disk

Before installing Cockpit or CommandCenter on your PC, it is recommended that you backup the disk or disks on to which you will do the installation.

In addition to the above, you need to ensure that your Digital DEC/EDI Server node already has the Digital DEC/EDI V4.0 software correctly installed.

The following section provides some additional notes on installing the database access components.

Additional Notes on Installing Pre-requisite Software

Pre-Installation Tasks for Oracle 8i on the PC

If you want to use Oracle 8i as your preferred database, you will need to carry out the following pre-installation tasks:

1. Run the SQL*Net Easy Configuration utility, which is part of the Oracle for Windows program group, to add an alias for the Digital DEC/EDI database as follows:
2. Select the “Add Database Alias” option, and click OK
3. Enter the following details, substituting the actual host name of the Digital DEC/EDI server node in place of <nodename>

   Database Alias: <nodename>_decedidb

   The node name should be the short form. For example, for edipc.domain.com, use edipc.
4. Enter the full address of the TCP/IP Host name, and the database instance.

   TCP/IP Host Name: <nodename>.domain.com

   Database Instance: decedidb
5. Click OK to add the alias
6. Select Exit SQL*Net Easy configuration, and click OK.

Checking for the Prerequisite Software

Before proceeding with the installation of Cockpit or CommandCenter, you are recommended to perform the checks listed in this section. These help you to verify that the software on your PC, and the network link to your Digital DEC/EDI Server are correctly set up. You should be able to complete each of these tests before installing and using Cockpit or CommandCenter.

You should be able to do the following:

- If you are using TCP/IP networking services, test the TCP/IP network connection between your PC and the Digital DEC/EDI Server by using *ping*.

Time to Install

The amount of time to install Cockpit or CommandCenter depends on the speed of your PC and hard disks that you are using. However the installation of Cockpit and Command Center should take no longer than 5 minutes.

Installing the Software

This section describes how to install Cockpit and CommandCenter, and lists some of the more common problems that may be encountered during the installation.

Installation Procedure

Copy the contents of the CDROM to the PC. Locate the executable (\ProgramFiles\Digital) and click on the icon. The software gets installed.

Server Configuration

As the installation continues, you are prompted to configure the server. If you wish, you may postpone this task until after the installation.You may also terminate the installation at this point.

If you decide to configure the server, select one of two options:

Add.. to configure a new server

Edit.. to configure a listed server that you need to select

The *Edit Server Setup* dialog is displayed.

Use the following information to help you enter the correct information in each field on your setup screen:

Installation directory. This is the directory where files are installed. You can change the default value offered if you wish. The Setup program creates the specified directory if it does not already exist.

Computer Name. This is the name of your PC, for example, `edipc`.

Server Name. This is the name of the Digital DEC/EDI Server you want to use. Note that this name is not the nodename (although it can be). It is any name you wish to use to refer to a particular Server. If you expect to use more than one Server, enter the name of one of them here. You may add more definitions when you first run Cockpit or CommandCenter.

Server Nodename. This is the nodename of the Server you want to use. It must be a name that your network understands. You should enter the full name of the Server, unless your PC and the Server are operating on a common network segment.

Server Type. Select from either Tru64 UNIX or OpenVMS.

Server Version Supported Servers for Tru64 UNIX are V3.2, V3.2B and V4.0.

Supported Servers for Open VMS are V3.2, V3.2B and V4.0.

Network. For Tru64 UNIX and OpenVMS, the supported network is TCP/IP .

Database Driver. This field defines the database product that you are using on the PC and on the Server, as well as the ODBC driver used on the PC.

Microsoft Access Do not select this. It is reserved by Digital for demonstration versions of the Cockpit and CommandCenter.

User Defined Select this if the database you are using does not match one of the options above. Unlike the other options, the ODBC datasource isn't automatically configured by the installation. The installation will tell you the name of the datasource, which should be noted, and you must configure it yourself. See the section in **Post Installation Tasks** for a description of how to do this.

Oracle ODBC Driver Select this if you are using an Oracle 8i database.

Account. This is the name of an account on the Server that you intend to use to access the Digital DEC/EDI Server data. If you know the name of this account, enter the value now. If you don't know the name, enter any value: you will be able to change it, or use other accounts when you use CommandCenter or Cockpit. Note that this value is case-sensitive. That is, values like `JONES` and `jones` are regarded as different accounts.

Database Name. This is only relevant with Oracle 8i database.

OnLine This is the name of the Digital DEC/EDI database on the Digital DEC/EDI Server system. With Oracle 8i, leave this value set to its default value of `decedi_db`.

Class Options are: GENERIC, V51, V60, V61. Specify GENERIC if you have standard SQL Services installed on your OpenVMS Server. Specify one of the other options if you have multi-version SQL installed, to tell it which version to use.

OnLine Service. This is the name of the network service to use to connect to the named database on the Digital DEC/EDI Server. This should be set to `decedi_pc`.

Readme Files As the installation nears completion, you are prompted to decide whether to read the Readme file.

Reboot Options

When the installation is complete you may be prompted to reboot your PC.

You do not have to reboot at this time, but note that you must do this eventually to register any new server configuration.

Release Notes By default, the installation creates a Program Manager group called Digital DEC/EDI Cockpit or Digital DEC/EDI CommandCenter, depending on which kit you are installing. One of the icons within that group displays release notes about the software. You should review these notes before proceeding with the post-installation tasks described in the next chapter.

TCP/IP Tracing

- If you are using the TCP/IP network interface, use this button to 'trace' the requests and traffic across the network between the PC and Server into a file on the PC. Further information on using the tool is provided in the *Digital DEC/EDI: User's Guides (Tru64 UNIX and OpenVMS).*

CSG Port ID Specify the CSG port ID for the selected server. User can specify the CSG port ID in services file also.

Post-Installation

This chapter assumes that you have now completed the installation of Cockpit or CommandCenter, as described in the previous chapter. Before you can use the software, you need to perform a number of post-installation tasks. Some of these tasks involve configuration work on the Digital DEC/EDI Server node or nodes that you are using. The tasks are summarized here.

Post-Installation Tasks

After you install CommandCenter or Cockpit, your post-installation tasks include the following:

- Server Configuration
- Running the Digital DEC/EDI Network Tester

These tasks are described in the following sections.

Server Configuration Activities

On each Digital DEC/EDI Server, you need to complete the following before you can use Cockpit or CommandCenter to connect to the Server. These activities are described in more detail in the *Digital DEC/EDI: User's Guide*, unless indicated otherwise:

- Install the CommandCenter LMF license PAK on a Digital DEC/EDI Server. The CommandCenter needs to find a valid license on at least one Server node. The license does not need to be installed on each Server. If you are using CommandCenter to connect to more than one Server, install the license on the Server you use most often.
- Create a user account that your PC uses to access the Digital DEC/EDI database. When you use Cockpit or CommandCenter to connect to the Server, you are asked to enter the name of this account and its password.
- Grant access to the Digital DEC/EDI database for this user account.

Unless stated otherwise, you need to repeat these Server configuration activities on each Digital DEC/EDI Server that you are using. The next section describes how you can test the resulting configuration.

Post-Installation Tasks

This section explains how to do the post-installation configuration tasks to link Digital DEC/EDI CommandCenter and Cockpit on your personal computer to your Digital DEC/EDI Server. The tasks include:

- Configure your Server to accept a link from your personal computer.
- Setup your Server account.

If you have already installed the Digital DEC/EDI CommandCenter or Cockpit before, and you have configured your Server to accept a link from your personal computer, there is no need to repeat the last two steps mentioned above.

Problem Solving

There are two main sections in this section:

- General Problems

  Information on general problems

- Getting More Information

  This section outlines the range of error logs and diagnostic tools that you can use to obtain more detailed information about problems you may encounter. Some of these tools are specific to a particular version of the CommandCenter or Cockpit, and they are marked as such. The section also contains advice on how to report problems to Digital.

General Problems

- *You are not licensed for Digital DEC/EDI on server nodename: <server name>*.

  This message may be displayed when running any of the CommandCenter editors or when using the version of Cockpit from the CommandCenter kit. The license allowing you to use the CommandCenter with this Server has expired or has not been installed. See the *Digital DEC/EDI: Installation* book for information on installing the CommandCenter license.

- Using <CTRL-ALT-DELETE> to abort Cockpit or CommandCenter.

  There are situations where the Cockpit or CommandCenter can hang the Digital DEC/EDI Server. These occur when either Cockpit or one of the CommandCenter editors has been aborted abnormally, either by a fault in the code, by you having pressed <CTRL-ALT-DELETE>, or by some other abnormal exit. It is recommended that you avoid using <CTRL-ALT-DELETE> to abort the applications whilst they are reading the Digital DEC/EDI Server database.

  In this situation, if the application was in the middle of an operation, links to the Server will still be active, waiting for the application to terminate the transaction explicitly. Starting the application again does not clear this. The result may be a protected read lock on the Digital DEC/EDI Server database which may affect the components of the Digital DEC/EDI Server eventually.

- Problems running several CommandCenter editors.

  The CommandCenter does not place any explicit limitations on the number of separate editors you can run concurrently. However, in practice, there are limitations that you may reach.

  As you run any Windows application, you consume various Windows resources. Windows places a fixed limit on certain resources that the Cockpit and CommandCenter editors use in common with other applications. It is possible for you to attempt to exceed the available resources by running many applications. However, there is no simple method of predicting the point at which resources will run out.

  To help avoid Windows resource problems, it is recommended that you try not to run more than two CommandCenter editors at the same time. Also, avoid running too many other applications at the same time as running the Cockpit or CommandCenter.

Error When Connecting to Server

Normally seen when attempting to log on when the Port Server has not been started. Startup the Port Server and try again.

Tru64 UNIX Server - Problem Solving

In general, these sections of problems are reported by the Digital DEC/EDI Network Tester.

TCP/IP Network Interface related Problems

- *'Error when connecting to Server'*

  'The specified address is not available from the local machine'

  You will receive this error message when attempting to connect to the Server, if you have not manually added the `decedi_csg` service to the `services` file on your PC. You must add this entry to the `services` file prior to connecting to the Digital DEC/EDI Server, as described in *Network Tester* on page 9-15.

OpenVMS Server - Problem Solving

In general, these sections of problems are reported by the Digital DEC/EDI Network Tester.

ODBC-related problems

Driver not capable

This means you have installed other software on your PC since ODBC installation, and it has disturbed the Digital DEC/EDI settings. A more likely cause is that your ODBC kit is too old, in which case you should obtain the latest kit, and reinstall.

Unsupported version of SQL/Services Client DLL

Trying to attach to a database or table fails with the message:

```
[MICROSOFT][ODBC DLL]Driver's SQLAllocConnect failed.

[DEC][ODBC]Unsupported version of SQL/Services Client
DLL.
```

Multiple version or the wrong version of SQSAPIW.DLL are present on the PC. Ensure that only one version of SQSAPIW.DLL is present on the PC and resides in the \WINDOWS\SYSTEM directory. If necessary, copy SQSAPIW.DLL directly from the installation diskette to the \WINDOWS\SYSTEM directory.

Trying to attach to a database or table fails with native error code -2035

This is a SQL/Services error which usually results when the Server on the VMS system has died. This usually means that SQL/Services was never installed correctly on the VMS machine. On the VMS machine, examine

SYS$STARTUP:SQLSRV$.LOG and any logs in the default SQL /Services account for the cause of the problems.

Invalid Class Name

```
[DEC][ODBC][Rdb]%SQLSRV-F-NO_CLS, Invalid Class Name
```

An undefined SQL/Services class name was specified when the data source was configured on the PC via the ODBC Administrator.

Another potential reason is that you are running SQL /Services standard version which expects GENERIC as the class, or SQL/Services multi version, which expects V61 etc. as the class name.

```
Suberror code is n [DEC][ODBC] [Rdb]Network Error:
Suberror code is nn
```

This is usually a Pathworks error where nn = the Pathworks error code.

The error codes can be found in the Pathworks files errno.h (for DECNET) or sock_err.h (for TCP/IP).

Some of the more common errors are:

- `[DEC][ODBC][Rdb]Network Error: Suberror code is 3`
  This occurs when SQL/Services is not running.
- `[DEC][ODBC][Rdb]Network Error: Suberror code is 49`
  This occurs when the target DECNET node is not defined on the PC.
- `[DEC][ODBC][Rdb]Network Error: Suberror code is 60`
  This occurs when pathworks times out, usually as a result of the SQL/Services Server crashing.

Client not authorized to access database

The username supplied via ODBC is not authorized to access the database. Ensure the user has an account on the Server and has enough privileges to access the Digital DEC/EDI database.

Getting More Information

The following sections provide suggestions on getting more information about problems that you may be experiencing. These assist more experienced users to diagnose less common problems.

The Digital DEC/EDI Error Log

Each of the different components of the Digital DEC/EDI Server is capable of reporting informational and error messages in the Digital DEC/EDI Error Log file. The information in this file is stored in a coded format, and you need to use special tools to look at its content. The normal means of viewing the Error Log is to use the Cockpit. However, until you have a correctly operating Cockpit installation, this is not possible.

If you are unable to get Cockpit to work, perhaps because you have not completed some element of its configuration, it is possible that the Error Log contains important information that can assist you in diagnosing any problems. If you suspect the Error Log may contain such information, the Server contains a simple utility to allow you to look at the Error Log.

Tru64 UNIX On the Tru64 UNIX Server this utility is called *decedi_look*. For more information on using this utility, refer to its man page entry on the Server:

```
# man decedi_look
```

ODBC Tracing

Use the Microsoft ODBC administrator. This resides in the Control Panel. Run the ODBC administrator and do the following:

- Select *Options*.
- Select the *Trace ODBC Calls* option.
- Choose a file to be used to store the trace information - click on the *Select File...* button.

This creates a trace file detailing ODBC activity for each function call or request that uses ODBC. Remember to turn tracing off when you no longer need it.

SQL/Services Tracing

Rdb...

SQL/Services tracing provides a detailed log of all individual SQL database functions executed.

To enable SQL/Services tracing, use an editor, such as Notepad, to open the following file:

```
\WINDOWS\SQSAPIW.INI
```

Enable client logging by removing the semi-colon (;) comment mark before the line:

```
ClientLogging=7
```

You should restart Windows for this change to take effect. This generates a file called CLIENT.LOG which details all the SQL/Services calls made.

...Rdb

Reverse the change to SQSAPIW.INI when you no longer need tracing. You should restart Windows for this to be effective.

Network Tester

The Cockpit has a network testing option which is used by clicking-on the Network Tester icon to enable the facility. A menu-driven series of simple prompts take you through the test process.

Note that you will need to know the identity of the server that you will be addressing.

Error Messages

The following error message may occur if decedi_csg is not defined in the "services" file, or if the port number for decedi_csg is not compatible with the port number defined on the server.

```
Error when connecting to Server'
The specified address is not available from the local machine
```

If this occurs, you will need to modify the SERVICE file to add the correct Port number.

The line to be added is as follows:

```
decedi_csg              <port number>/tcp # Digital DEC/EDI GUI
```

for example:

```
decedi_csg              5152/tcp # Digital DEC/EDI GUI
```

Where the Port Number is as you recorded during the configuration described in *Compaq DEC/EDI Services TCP/IP Port Numbers* on page 3-4.

Tip

Use the Find File facility to locate the SERVICES file, and use Notepad to add the line with the Port Number.

TCP/IP Tracing

If you are using the TCP/IP network interface, you may trace the requests and traffic between the PC and your Server into log files on both the PC and Server. After defining the server uing the simple menu options provided, select the TCP/IP Test button from the next menu. The test is carried out automatically and a successful test result is reported. In the event of a failure, use the error message and the log file to establish the cause of the problem.

Reporting Problems

If an error occurs while Digital DEC/EDI Cockpit or CommandCenter is being used, and you believe the error is caused by a problem with one of these Digital DEC/EDI components, take one of the following actions:

- If you have a BASIC or DECsupport Software Agreement, you should call your Customer Support Center. (With these services, you receive telephone support that provides high-level advisory and remedial assistance.)
- If you have a Self-Maintenance Software Agreement, you can submit a Software Performance Report (SPR).
- If you have purchased Digital DEC/EDI CommandCenter or Cockpit within the past 90 days and you think the problem is caused by a software error, you can submit a Software Performance Report (SPR).

Part IV System Verification

This part describes the verification procedure after the installation of Digital DEC/EDI.

Introduction

It assumes that the following components have been installed:

- Network Components
- Database Components
- Digital DEC/EDI Server
- Digital DEC/EDI Client(s)
- Digital DEC/EDI Cockpit or CommandCenter as required

Intended Audience

It provides a set of simple tests and verification checks that may be used by the Network Administrator to verify a successful installation.

Chapter 10 UNIX System Verification

Introduction

This chapter describes how to verify that the installed system configuration is functioning correctly, and how to identify and correct common problems.

Scope and Purpose

This chapter takes the form of a self-paced tutorial that is designed to introduce you directly to setting up and using Digital DEC/EDI after your system has been installed. The examples are designed to minimise the amount of data entry that you have to perform, and provide an overview of Digital DEC/EDI.

The tutorial takes you quickly through the significant stages from starting with a newly installed and unconfigured Digital DEC/EDI system, to exchanging and tracking documents between two hypothetical trading partners. As such, the activities it involves mirror many that will become familiar in live trading with partners either inside or outside your organization.

Note: *The example in this section installs the EDIFACT 90.1 standard, along with data labels of a specific format, which are used to identify EDI elements within the mapping process. If your Digital DEC/EDI system already has EDIFACT 90.1 installed, check with your Digital DEC/EDI administrator to make sure that you are not going to affect the existing system.*

The tutorial introduces you to the following activities:

- Verification that the Digital DEC/EDI Server software and its pre-requisites have been successfully installed, and may be successfully started up and shut down.
- The use of both local and remote Application Client systems to communicate with the Digital DEC/EDI Server.
- The use of PC-based Cockpit and CommandCenter installations to communicate with the Digital DEC/EDI Server.
- Configuration of the Digital DEC/EDI Server with EDI Standards and Trading Partner profile details, and the use of the Import/Export communications gateway.
- The compilation of a Mapping Table and its installation on the Server.
- Monitoring the Digital DEC/EDI Server to ensure it is able to correctly send, receive and process application files and EDI transmissions.
- Basic housekeeping of the Digital DEC/EDI Server, by archiving data that has been successfully processed.

The files described and used in this tutorial are provided as part of the Digital DEC/EDI software installation.

Beyond the Scope and Purpose

The tutorial is not a detailed exercise in the more advanced aspects of system configuration, Mapping Table development, and application integration with Digital DEC/EDI.
When you want to know more about any topic addressed by this tutorial, or any other queries, refer to the appropriate sections of the related books *Digital DEC/EDI: Application Development* and the *Digital DEC/EDI: User's Guides (Tru64 UNIX and OpenVMS).*

Overview

The example in this tutorial covers the hypothetical case where your company, DEC Direct UK Ltd, is sending invoices to another company called Shiny New Systems.

In the outgoing case, you pretend to be DEC Direct UK Ltd which is sending the invoice. You have agreed with your Trading Partner, Shiny New Systems, that you will use a subset of the EDIFACT 90.1 INVOIC message which you have defined. To distinguish it from the message on which it is based, you have named the message subset **MINVOX**.

In the incoming case, you pretend to be Shiny New Systems which is receiving the invoice. You have agreed to receive and process the MINVOX subset of the EDIFACT 90.1 INVOIC message from your Trading Partner, DEC Direct UK Ltd.

An Example Application File

There is an example application file that has come from your business application, which is provided as part of the Digital DEC/EDI software installation. The file is provided with the Digital DEC/EDI Application Client subset, in the Digital DEC/EDI examples directory:

```
/usr/examples/decedi/client/minvox_o.dat
```

The file is also provided with the CommandCenter, in the directory specified during the installation process. You may use this to examine the structure of the file whilst developing the Mapping Table, or to create a copy of the file on the Application Client system.
The Application File contains some of the data to be sent in the MINVOX message. Before sending the message to your Trading Partner, the file needs to be processed to produce an EDI format message that can be sent to your Trading Partner. The following steps are involved in this process and are performed by separate components of the Digital DEC/EDI server system:

- Mapping — An intermediate file known as the Internal Format File is generated using data from the Application File. Some of the values in the Internal Format file are automatically generated, or calculated from other values or variables. This step is performed by the Mapper.
- Conversion — The Internal Format File is converted into an EDI format message. This step is performed by the EDIFACT Converter.
- Transmission File Building — One or more EDI format messages are placed in an EDI Transmission File, which is then ready to be sent to your Trading Partner. This step is performed by the EDIFACT Transmission File Builder.

Preparation Task Summary

The following list broadly summarizes the tasks you need to complete before attempting the client examples:

- Install the prerequisite software and EDI definitions
- Configure the client
- Set up the server
- Compile the example mapping tables
- Create trading partner profiles
- Start Digital DEC/EDI
- Build and replace the profile cache

The following sections tell you what to do in detail.

A: Installing the Software and EDI Definitions

1. Install the prerequisite software in accordance with the *Digital DEC/EDI: Software Product Description (SPD).*
2. Install the Digital DEC/EDI Client and Server. (These may be on different systems).

   For example, if you are installing from CD-ROM:

   ```
   # /usr/sbin/setld -l /cdrom
   ```

   Where */cdrom* is the mount point of the CD-ROM device.

   The following subsets are required for use in this tutorial:

Note: *It is recommended that you also install the Man page subsets for future reference, though these are not required for this example.*

Table 10-1 Remote Client Installation

Subset	Description
DEDIBASE400	Digital DEC/EDI Base
DEDICLT400	Digital DEC/EDI Client

Table 10-2 Server and Local Client Installation

Subset	Description
DEDIBASE400	Digital DEC/EDI Base
DEDICLT400	Digital DEC/EDI Client
DEDISERV400	Digital DEC/EDI Server
DEDIAMSGBASE400	Digital DEC/EDI Message Updates Base
DEDIAMSGEDIF400	Digital DEC/EDI Message Updates EDIFACT IMP-DEF files
DEDITRAN400	DIgital DEC/EDI Translation components

3. Install the Digital DEC/EDI Message Update Service kit.

   This is achieved by installing the Message Updates base subset, and the IMPDEF subsets for the standards required.

   This example uses the EDIFACT IMPDEF files. Ensure that the subset is installed by enetering the following command:

```
# /usr/sbin/setld -i | grep DEDIAMSGEDIF320
```

   Enter the following command:

```
# decedi_must
```

From the menu, select EDIFACT 901, to install the definitions that are used in this example.

Note: *If there are any other EDI standards that you wish to install, it is recommended that you do so at this stage, while the Digital DEC/EDI Server is not in use.*

4. Create the MINVOX Definition

Install data labels for the EDIFACT 90.1 standard and create the private MINVOX document definition.

Run the Digital DEC/EDI Data Label Generator:

```
# /usr/sbin/decedi_dlg -s=EDIFACT -v=901 -f=ID
```

5. Create the private MINVOX definition by using the Digital DEC/EDI CommandCenter EDI Tables Editor on a PC connected to the Server.

   a From the “Getting Started” menu, select the “Manage Documents” option

   b From the “Getting Started - Documents” menu, select the option to edit an existing document saved in a file on the PC.

   c From within the Open dialog, select minvox.tab, and press Open.

   d You will be prompted to log on to the Server. Enter the defined server name, your user name and password to log on to the server.

   e Click on the Save to Server icon, or select the menu option Server..Save to save the document to the current server.

   f You will be informed that the document is not currently associated with any server, and will be asked to confirm that it should be saved to the specified server. Click Yes to confirm, and then exit from the EDI tables editor.

   g You will be asked about the tables cache, you do not need to rebuild it at this stage. Click Continue to exit from the EDI tables editor.

B: Configuring the Client

The Digital DEC/EDI Client may be run either locally, that is, on the same node as the Digital DEC/EDI Server, or remotely on a different node.

Configure Network Interface

Configure the Digital DEC/EDI Client and Server for a TCP/IP only connection.

1. On the Digital DEC/EDI Server, run the Digital DEC/EDI configuration utility:

   ```
   # /usr/sbin/decedi_config
   ```

2. Configure network interface:
3. If using a remote client, repeat steps 1 and 2 on the remote client node, ensuring that you select the same network interface as you configured on the Digital DEC/EDI Server.

Register the Client Applications

To configure the Digital DEC/EDI Server for Tru64 UNIX, you must use the Digital DEC/EDI CommandCenter on a remote PC.
Use the CommandCenter **Management Services Editor** to register the client applications. If the client and server are on the same node, then simply enter the server node name.

1. Select the **Getting Started** option, **Configure Applications**.
2. Select **Create a new application**.
3. Enter **DEC-DIRECT-UK-LTD** as the Application Name.

   You will be asked to log in to the server that you should have already configured in the CommandCenter. If you have not already defined a server for the CommandCenter, do so now.

   Enter your server password.
4. Select the tabbed dialog, **Node**.
5. Click on the **Add** button.

   You will be prompted for the name of the node on which this client application is located. Enter the node name and select **Ok**.
6. Select the **Details** tabbed dialog, and click on the **Add** button.
7. Repeat steps 3 to 5, but this time, use the application name, **SHINY-NEW-SYSTEMS**.

   You use this application when you pretend to be SHINY-NEW-SYSTEMS, and fetch the files that were sent by the partner, DEC-DIRECT-UK-LTD.
8. Save these application details by clicking on the **Save** button.

You will be prompted to build and replace the cache. You should wait until all of the server data has been configured.

Define Services

You need to define and start the services that you need to use. To do this:

1. From the CommandCenter, select the **Management Services Editor**, and define the following services:
   - EDIFACT/ODETTE Services
   - Import/Export Gateway
2. You will be prompted to log into the server, so enter the server name and your password details.

C: Compiling the Mapping Tables

Load and compile the Mapping Tables using the CommandCenter **Mapping Table Editor**. These tables are supplied with the CommandCenter. Alternatively, you may like a more detailed look at how these are created, so that you can create a mapping table for your own future needs.
For detailed steps in creating the incoming and outgoing Mapping tables used by this example, refer to the next two chapters in this part of the book, *Creating an Incoming Mapping Table* and *Creating an Outgoing Mapping Table.*
If you choose to use the supplied mapping tables, complete the following:

1. Select the **Getting Started** option, **Load Sample Incoming Mapping Table** and select **MINVOX_I**.
2. Choose the appropriate version of the table, from the options tab of file menu, which should be same as that of DEC/EDI server version.
3. Compile this table by selecting **Compile** option from the **Mapping** menu.
4. When the table has compiled successfully, copy it to the server by clicking on **Ok** in the **Copy to Server** window that pops up.
5. Repeat the above procedure for the **MINVOX_O** table.

   Note that this sample table can also be loaded from the **File** menu.

D: Defining Gateway and Connection

Use the CommandCenter **Communications Editor** to define:

- The gateway: Import/Export
- The connection: CVP_E

Defining the Gateways:

1. From the “Getting Started” dialog, select the Edit Gateway Parameters option.

   ? You will be prompted to log on to the Server. Enter the defined server name, your user name and password to log on to the server.

2. Within the Select Connections dialog, specify the connection ID CVP_E and click on OK.
3. From the Edit Gateways dialog, select Import/Export Gateway
4. Within the Import/Export Gateway details dialog, leave the connection error limit as 20, and specify the following locations:

   Import /var/adm/decedi/impexp

   Export /var/adm/decedi/impexp

5. Click on Save, and then Close the Edit Gateways dialog
6. Create the /var/adm/decedi/impexp directory as follows:

   # mkdir /var/adm/decedi/impexp

   # chown decedi:system /var/adm/decedi/impexp

   # chmod u=rwx,g=rwx,o /var/adm/decedi/impexp

Creating the Connections

1. You will be presented with a list of gateways and connections, with the caption “Filtered by: CVP_E”
2. Click on the line “IMPEXP Disabled Stopped”, and from the Edit menu, select Add->Connection.

   Enter the Connection ID: CVP_E and click on OK

3. Set the syntax to EDIFACT by selecting it from the drop-down menu
4. Select the “Delete” option within the “Action on Import” box.
5. Within the Operating system commands, select the Post-Export option, and enter the following text:

   /usr/examples/decedi/server/decedi_loopback.sh #EXPFIL #EXPLOC #IMPLOC

   This enables the “loopback” example script, which is run automatically each time a transmission file is exported through the CVP_E connection. This script renames the transmission file and re-imports it back through the CVP_E connection. This is useful for testing bidirectional agreements, as used in this example.

Enabling the Gateway and Connection

1. Select the CVP_E connection, and cick on the Enable/Disable button, or select the Enable option from the Operations menu.
2. Select the IMPEXP Gateway, and click on the Enable/Disable button, or select the Enable option from the Operations menu. Ignore the message from the GUI Server about a gateway of this type not running, as the Digital DEC/EDI Server has not yet been restarted.
3. Exit from the Communications Editor.

E: Adding Trading Partner Profiles

Use the CommandCenter **Trading Partner Editor** to add profiles for SHINY-NEW-SYSTEMS and DEC-DIRECT-UK-LTD.
When you post a file to a trading partner using this example, you pretend to be the company, DEC-DIRECT-UK-LTD, and your trading partner is SHINY-NEW-SYSTEMS.
When you want to fetch files, you pretend be SHINY-NEW-SYSTEMS, collecting files sent from your partner, DEC-DIRECT-UK-LTD. Thus you need to create two trading partner profiles, each detailing the document, **MINVOICE**, that you will exchange with the partner.

1. Enter the Trading Partner Editor and select the **Trading Partner Wizard** to create or edit Trading Partners.

   The Trading Partner Wizard is a quick way to create up to two trading partners and their agreements by entering the minimum amount of information.

   You will be asked to log in to the server, so enter the server name and your password details.

2. On the **Trading Partner Wizard** window, check the box marked, **Create two Trading Partners and their Agreements**, and enter the following information:

Trading Partner	SHINY-NEW-SYSTEMS
Application	DEC-DIRECT-UK-LTD
Template	Use the default supplied, DEFAULT.INI and select the option to create two trading partners and their agreements
Application Interchange ID	DDUK
Partner Interchange ID	SNS
Connection	CVP_E
Direction	Take the default, Bidirectional
Outgoing Document	Browse and select, MINVOICE
Incoming Document	Browse and select, MINVOICE

After entering the above information, select OK.

You will then see your two new trading partners in a list.

3. Expand the list by clicking on the boxes checked with the letter **X** in them to see the agreement, document and connection defined for each trading partner.
4. Select any of these to verify that the details you entered are correct and to have a look at the other information that can be entered for Trading Partner agreements.
5. Finally, select the **Cache** option to **Build and Replace** the cache.

F: Restart the Digital DEC/EDI Server

Shut down and restart the Digital DEC/EDI Server, to ensure that the EDIFACT and Import/Export components are restarted, and that the new profile cache becomes effective. The commands are as follow:

```
# decedi_stop
# decedi_start
```

G: Running the Examples

Sending the Document

Log into the user account, and change directory to a scratch directory which has its protection set, so it can be written to by the decedi account.
Copy the following files from the Digital DEC/EDI examples directory, located at /usr/examples/decedi/client to your local Client directory:

`minvox_in.dat`

`minvox_out.dat`

1. Rename `minvox_in.dat` to `original_minvox_in.dat`

   ```
   mv minvox_in.dat original_minvox_in.dat
   ```

2. Use the Cockpit to monitor the progress of the MINVOX invoice document you will be sending. Before sending the document, start the Cockpit so you can monitor its progress.From the “Getting Started” dialog, select the option to obtain a summary of Documents and Transmission Files on your Digital DEC/EDI Server.

   In the Summary View dialog, check that the default server name is the one you have defined, and select the Date Range tab, click on Today and press OK.

   You will be prompted to log on to the Server. Enter the defined server name, your user name and password to log on to the server.

   Select Summary..Options and in the Summary Options dialog, select the display of both Inbound and Outbound documents and transmissions, and select Auto-updates every 1 minute.

   This will show a number of status bars within the Cockpit summary view. Resize the Cockpit window do you can see all the totals, if possible.

   In the summary view, a green LED icon indicates no failures, a yellow LED icon indicates no further failures since the last update, and a red LED icon indicates one or more documents or transmission files have failed since the last update. A black vertical bar on the status bar indicates the value prior to the last update, so you can monitor any changes.

   Keep the Cockpit window active, and in a separate terminal window send the example document to Digital DEC/EDI

3. Send the document to Digital DEC/EDI:

```
trade post DEC-DIRECT-UK-LTD -priority=high
spec_of_minvox_out.dat \table_name=minvox_o
```

   This will send the transmission file immediately it has been built, and automatically reimport it, using the “loopback” example script.

Cockpit, CommandCenter

4. Use the Cockpit to monitor the progress of the documents and transmission files on the system. When they reach a status of Purgeable/Cancelled, the archive process will periodically remove them from the Current audit trail, and place them in the Archive audit trail. This is normal behaviour.

   Eventually a document should appear with a status of Available. Double-Click on the Available status bar, and in the Coose Summary Category dialog, click OK to view the Application ID.

   The Application ID should be SHINY-NEW-SYSTEMS.This means that the document is now available for fetching by the SHINY-NEW-SYSTEMS application.

Server Node

Once the document is available, you may fetch the application file by issuing a TRADE FETCH command:

```
trade fetch SHINY-NEW-SYSTEMS minvox_in.dat -
/table_name=minvox_i
```

5. Compare the fetched document with expected output using the following:

```
diff minvox_in.dat original_minvox_in.dat
```

Network Tester

The Cockpit has a network testing option which is used by clicking-on the Network Tester icon to enable the facility. A menu-driven series of simple prompts take you through the test process.
Note that you will need to know the identity of the server that you will be addressing.

Error Messages

The following error message may occur if decedi_csg is not defined in the "services" file, or if the port number for decedi_csg is not compatible with the port number defined on the server.

```
Error when connecting to Server'
The specified address is not available from the local machine
```

If this occurs, you will need to modify the SERVICE file to add the correct Port number.
The line to be added is as follows:

```
DECEDI_CSG              <Port Number>/TCP
```

Where the Port Number is as you recorded during the configuration described in *Compaq DEC/EDI Services TCP/IP Port Numbers* on page 3-4.

Tip

Use the Find File facility to locate the SERVICES file, and use Notepad to add the line with the Port Number.

Troubleshooting Common Problems

Tracing in the TCP/IP Client/Server Interface

The aim of the tracing is to aid users and field service personel in tracing what is going on during a TCP/IP exchange so that errors due to misconfiguration can be easily detected.

Environment

Tracing will be controlled by the environment variable DECEDI_TCP_TRACE, which is assigned a string. The string is composed of a series of letters, each letter identifying a particular component of the exchange that needs to be traced.
The letters currectly supported are:
'A' : Switch on all trace options available
'C' : Trace children: Specific to the port server. This lists when children are created or reused, and to which child a request is rerouted.
'P' : Trace protocol: List the protocol messages sent and received.
'S' : Trace services: ? On the client side this reports which server nodes and services are attempted to be contacted.
? On the server side this reports which clients made contact to which services.
'T' : Trace traffic: List the size of messages being sent or received. This would normally be used in conjunction with 'P'. The reason for two is that 'P' is traced as soon as we send or receive the message header, whilst the 'T' cant be done until be have completed sending or receiving the data.
To trace everything you could set DECEDI_TCP_TRACE to "A" or to "CPST".
Each process involved in the TCP/IP linkage does its own tracing to its own trace log. The log file being:
/var/adm/decedi/logs/tcp_trace_<pid>.log

ODBC-related Problems

...Rdb — The username supplied via ODBC is not authorized to access the database. Ensure that the user has an account on the server and has enough privileges to access the Digital DEC/EDI database.

Chapter 11 OpenVMS System Verification

Introduction

This chapter describes how to verify that the installed system configuration is functioning correctly, and how to identify and correct common problems.

Scope and Purpose

This chapter takes the form of a self-paced tutorial that is designed to introduce you directly to setting up and using Digital DEC/EDI after your system has been installed. The examples are designed to minimise the amount of data entry that you have to perform, and provide an overview of Digital DEC/EDI.

The tutorial takes you quickly through the significant stages from starting with a newly installed and unconfigured Digital DEC/EDI system, to exchanging and tracking documents between two hypothetical trading partners. As such, the activities it involves mirror many that will become familiar in live trading with partners either inside or outside your organization.

Note: *The example in this section installs the EDIFACT 90.1 standard, along with data labels of a specific format, which are used to identify EDI elements within the mapping process. If your Digital DEC/EDI system already has EDIFACT 90.1 installed, check with your Digital DEC/EDI administrator to make sure that you are not going to affect the existing system.*

About the Tutorial

The tutorial introduces you to the following activities:

- Verification that the Digital DEC/EDI Server software and its pre-requisites have been successfully installed, and may be successfully started up and shut down.
- The use of both local and remote Application Client systems to communicate with the Digital DEC/EDI Server.
- The use of PC-based Cockpit and CommandCenter installations to communicate with the Digital DEC/EDI Server.
- Configuration of the Digital DEC/EDI Server with EDI Standards and Trading Partner profile details, and the use of the Import/Export communications gateway.
- The compilation of a Mapping Table and its installation on the Server.
- Monitoring the Digital DEC/EDI Server to ensure it is able to correctly send, receive and process application files and EDI transmissions.
- Basic housekeeping of the Digital DEC/EDI Server, by archiving data that has been successfully processed.

The files described and used in this tutorial are provided as part of the Digital DEC/EDI software installation.

Beyond the Scope and Purpose

The tutorial is not a detailed exercise in the more advanced aspects of system configuration, Mapping Table development, and application integration with Digital DEC/EDI.
When you want to know more about any topic addressed by this tutorial, refer to the appropriate sections of the related books *Digital DEC/EDI: Application Development* and the *Digital DEC/EDI: User's Guide.*

Overview

The example in this tutorial covers the hypothetical case where your company, DEC Direct UK Ltd, is sending invoices to another company called Shiny New Systems.
In the outgoing case, you pretend to be DEC Direct UK Ltd which is sending the invoice. You have agreed with your Trading Partner, Shiny New Systems, that you will use a subset of the EDIFACT 90.1 INVOIC message which you have defined. To distinguish it from the message on which it is based, you have named the message subset **MINVOX**.
In the incoming case, you pretend to be Shiny New Systems which is receiving the invoice. You have agreed to receive and process the MINVOX subset of the EDIFACT 90.1 INVOIC message from your Trading Partner, DEC Direct UK Ltd

An Example Application File

There is an example application file that has come from your business application, which is provided as part of the Digital DEC/EDI software installation.
The file is provided with the OpenVMS Application Client or Server, in the Digital DEC/EDI examples directory:

```
DECEDI$EXAMPLES:MINVOX_OUT.DAT
```

About the Application File

The Application File contains some of the data to be sent in the MINVOX message. Before sending the message to your Trading Partner, the file needs to be processed to produce an EDI format message that can be sent to your Trading Partner. The following steps are involved in this process and are performed by separate components of the Digital DEC/EDI server system:

- Mapping — An intermediate file known as the Internal Format File is generated using data from the Application File. Some of the values in the Internal Format file are automatically generated, or calculated from other values or variables. This step is performed by the Mapper.
- Conversion — The Internal Format File is converted into an EDI format message. This step is performed by the EDIFACT Converter.
- Transmission File Building — One or more EDI format messages are placed in an EDI Transmission File, which is then ready to be sent to your Trading Partner. This step is performed by the EDIFACT Transmission File Builder.

Preparation Task Summary

The following list broadly summarizes the tasks you need to complete before attempting the client examples:

- Install the prerequisite software and EDI definitions
- Configure the client
- Set up the server
- Compile the example mapping tables
- Create trading partner profiles
- Start Digital DEC/EDI
- Build and replace the profile cache

The following sections tell you what to do in detail.

A: Installing the Software and EDI Definitions

1. Install the prerequisite software in accordance with the *Digital DEC/EDI: Software Product Description (SPD).*
2. Install the Digital DEC/EDI Client and Server. (These may be on different systems).

   For example, if you are installing from a device named CDROM:

   ```
   $@SYS$UPDATE:VMSINSTAL DECEDIA040 CDROM: OPTIONS
   NInstall the Digital DEC/EDI Message Update Service
   kit.
   ```

   On OpenVMS, this is achieved by re-running the installation procedure on the Digital DEC/EDI Server node, and selecting the option to install EDI standards definition.

   Select the menu option to install the EDIFACT 90.1 IMPDEF files.

3. Install the Digital DEC/EDI CommandCenter on a remote PC, and configure the CommandCenter to communicate with the Digital DEC/EDI Server.

Note: *The use of the CommandCenter is optional for OpenVMS servers.*

Install the EDIFACT 90.1 standard by using the **Message Update Service**.

Peform a Digital DEC/EDI startup, using the following command:

```
$ @SYS$STARTUP:DECEDI$STARTUP
```

Enter the following command:

```
$ RUN DECEDI$TOOLS:DECEDI$MESSAGE_UPDATES.EXE
```

You are presented with a list of available standards to install. Select EDIFACT 90.1 from the menu. This may take a few minutes to install.

Note: *If there are any other EDI standards that you wish to install, it is recommended that you do so at this stage, while the Digital DEC/EDI Server is not in use.*

4. Install data labels for the EDIFACT 90.1 standard and create the private MINVOX document definition.

   Run the Digital DEC/EDI Table Extractor and Loader tool:

   ```
   $ RUN DECEDI$TOOLS:DECEDI$TEL.EXE
   ```

   Select option 2, Load Definitions, and give the location of the EDIFACT 90.1 definition file:

   ```
   DECEDI$EXAMPLES:EDIFACT_901_DIRECTORY.DAT
   ```

   Enter the version number as **901**, and confirm that you want to load the associated data labels as well.

   Select option 2, Load Definitions, and give the location of the MINVOX definition file:

   ```
   DECEDI$EXAMPLES:EDIFACT_901_MINVOX_DOCUMENT.DAT
   ```

   Enter the version number as **901**, and specify **MINVOICE** as the internal document id.

   Select option 3, Exit.

B: Configuring the Client

The Digital DEC/EDI Client may be run either locally, that is, on the same node as the Digital DEC/EDI Server, or remotely on a different node.

Granting User Access Rights

Before registering a user with Digital DEC/EDI, that user must first be registered with the OpenVMS system. The user must already have an OpenVMS Authorization Entry in `SYS$SYSTEM:SYSUAF.DAT`, granting one of the following OpenVMS rights identifiers:

- `DECEDI$ADMINISTRATOR`
  You can then register the user with Digital DEC/EDI, giving administrator access rights.
- `DECEDI$SUPERVISOR`
  You can then register the user with Digital DEC/EDI, giving supervisor access rights.

You register a user with Digital DEC/EDI by using the Digital DEC/EDI command
`ADD USER`, assigning Digital DEC/EDI access rights.
In Interchange there are two levels of Digital DEC/EDI access rights:

- Administrator access rights: `TRANS_ADMIN` or `COMMS_ADMIN`
- Supervisor access rights: `SUPERVISOR`

Configure Network Interface

Configure the Digital DEC/EDI Client and Server for a TCP/IP only connection.

1. On the Digital DEC/EDI Server, run the Digital DEC/EDI configuration utility:

   Ensure that the Digital DEC/EDI logical names have been defined by entering the following command:

   ```
   $ @SYS$STARTUP:DECEDI$LOGICALS
   ```

   Run the configuration utility:

   ```
   $ @DECEDI$TOOLS:DECEDI$CONFIGURE_CLIENT_SERVER
   ```

2. Configure the network interface:
3. If using a remote client, repeat steps 1 and 2 on the remote client node, ensuring that you select the same network interface as you configured on the Digital DEC/EDI Server.

   If using the TCP/IP network interface, add the server node name to the Server configuration file.

C: Compiling the Mapping Tables

You may use the CommandCenter Mapping Table Editor on a remote PC.

Command Center

Load and compile the Mapping Tables using the CommandCenter **Mapping Table Editor**. These tables are supplied with the CommandCenter. Alternatively, you may like a more detailed look at how these are created, so that you can create a mapping table for your own future needs.
For detailed steps in creating the incoming and outgoing Mapping tables used by this example, refer to the next two chapters in this part of the book, *Creating an Incoming Mapping Table* and *Creating an Outgoing Mapping Table.*
If you choose to use the supplied mapping tables, complete the following:

1. Select the **Getting Started** option, **Load Sample Incoming Mapping Table** and select **MINVOX_I**.
2. Choose the appropriate version of the table, from the options tab of file menu, which should be same as that of DEC/EDI server version.
3. Compile this table by selecting **Compile** option from the **Mapping** menu.
4. When the table has compiled successfully, copy it to the server by clicking on **Ok** in the **Copy to Server** window that pops up.
5. Repeat the above procedure for the **MINVOX_O** table.

   Note that this sample table can also be loaded from the **File** menu.

D: Configuring the Server

Registering the Services

1. Start Interchange with the command:

   ```
   $ INTERCHANGE
   ```

2. Use the `$ EDIT CONFIGURATION` facility to select MAINTAIN SERVICES, press INSERT then add the following component:

   ```
   EDIFACT_TRANSLATOR
   ```

3. Move the cursor to Save and press Select

   Repeat Step 2 for component `IMPORT_EXPORT_GATEWAY` with ID: `CVP_E`

4. Finish by using the EXIT key.

Registering the Business Applications

1. Start Interchange with the command:

   ```
   $ INTERCHANGE
   ```

2. Use the `EDIT CONFIGURATION` facility to select REGISTER APPLICATIONS, press INSERT then add the following Invoice Application:

   ```
   DEC-DIRECT-UK-LTD
   ```

3. Add the following details:

   ```
   ID:       DEC-DIRECT-UK-LTD
   Name:     DECdirect (UK) Ltd
   ```

4. Press Do to save the details
5. Repeat Step 3 and 4 to add the following entries:

   ```
   ID:       SHINY-NEW-SYSTEMS
   Name:     Shiny New Systems
   ```

6. Finish by using the EXIT key.

Registering a Node

1. Start the Digital DEC/EDI User Interface with the command:

   ```
   $ INTERCHANGE
   ```

2. Use the `EDIT CONFIGURATION` facility to select REGISTER NODE, press INSERT then add the node and transport details appropriate to your installation, by selecting from the menu
3. Finish by using the EXIT key.

E: Adding Trading Partner Profiles

1. Start the Digital DEC/EDI User Interface with the command:

   ```
   $ INTERCHANGE
   ```

2. Load the profiles:

   ```
   EDI> LOAD PROFILE DECEDI$EXAMPLES:PROFILE_DEC-DIRECT-
   UK-LTD.DAT
   EDI> LOAD PROFILE DECEDI$EXAMPLES:PROFILE_SHINY-NEW-
   SYSTEMS.DAT
   ```

3. Use the following command to examine a profile:

   ```
   EDI> LIST PROFILE /FULL DEC-DIRECT-UK-LTD
   ```

4. Finish by using the EXIT key.
5. Build the cache on completion with the following command:

   ```
   EDI> BUILD CACHE /ALL
   EDI> REPLACE CACHE /ALL
   ```

F: Start the Digital DEC/EDI Server

Start the Digital DEC/EDI Server by entering the following command:

```
$ @SYS$STARTUP:DECEDI$STARTUP
```

G: Running the Examples

Sending the Document

Application Client Node

1. Copy the following files from the DECEDI$EXAMPLES directory to your local Client directory:

```
MINVOX_IN.DAT
MINVOX_OUT.DAT
```

2. Rename `MINVOX_IN.DAT` to `ORIGINAL_MINVOX_IN.DAT`
3. Send the document to Digital DEC/EDI:

```
$ TRADE POST DEC-DIRECT-UK-LTD spec_of_MINVOX_OUT.DAT
- /TABLE=MINVOX_O /PRIORITY=HIGH
```

Server Node

4. Enter the Digital DEC/EDI user interface:

```
$ INTERCHANGE
```

   then monitor the progress of the invoice you have sent using:

```
$ INTERCHANGE
EDI> LIST DOCUMENT
EDI> LIST TRANSMISSION
```

   Or use Cockpit to follow the progress of the invoice you have sent. The transmission file should eventually appear with the following status:

```
AWAITING_TRANSMISSION
```

5. Once the documents are successfully built and awaiting transmission, start CVP_E connection using the following command:

```
$ INTERCHANGE START CONN CVP_E IMPEXP
```

6. The resulting transmission file is exported to the Import/Export gateway directory DECEDI$TOP:[CVP.IMPEXP] with a file type of .EXPORT.

   Rename the exported transmission file, to a new unique transmission file name, with a file type of .IMPORT. Ensure that the last part of the file name is CVP_E. For example,

```
$ RENAME -
DECEDI$TOP:[CVP.IMPEXP]19JUN199711593183_CVP_E.EXPOR
T -
DECEDI$TOP:[CVP.IMPEXP]I01_19JUN199711593183_CVP_E.I
MPORT
```

7. Reimport the transmission file by starting the CVP_E connection:

```
$ INTERCHANGE START CONN CVP_E IMPEXP
```

8. Enter the Digital DEC/EDI user interface:

```
$ INTERCHANGE
```

   then monitor the progress of the invoice you have sent using:

```
$ INTERCHANGE
EDI> LIST TRANSMISSION
EDI> LIST DOCUMENT
```

   Or use Cockpit to follow the progress of the invoice you are importing. The document should eventually be created with the following status:

```
AVAILABLE
```

9. Once the document is available, you may fetch the application file by issuing the TRADE FETCH command:

```
$ TRADE FETCH DEC-DIRECT-UK-LTD
SYS$SCRATCH:MINVOX_IN.DAT - /TABLE=MINVOX_I
```

10. Compare the fetched document with expected output using the following:

```
$ DIFFERENCES MINVOX_IN.DAT ORIGINAL_MINVOX_IN.DAT
```

Network Tester

The Cockpit has a network testing option which is used by clicking-on the Network Tester icon to enable the facility. A menu-driven series of simple prompts take you through the test process.
Note that you will need to know the identity of the server that you will be addressing.

Error Messages

The following error message may occur if decedi_csg is not defined in the "services" file, or if the port number for decedi_csg is not compatible with the port number defined on the server.

```
Error when connecting to Server'
The specified address is not available from the local machine
```

If this occurs, you will need to modify the SERVICE file to add the correct Port number.
The line to be added is as follows:

```
DECEDI_CSG              <Port Number>/TCP # port number
```

Where the Port Number is as you recorded during the configuration described in *Compaq DEC/EDI Services TCP/IP Port Numbers* on page 3-4.

Tip

Use the Find File facility to locate the SERVICES file, and use Notepad to add the line with the Port Number.

Troubleshooting Common Problems

ODBC Tracing

Use the Microsoft ODBC administrator. This resides in the Control Panel. Run the ODBC administrator and do the following:

- Select *Options*.
- Select the *Trace ODBC Calls* option.
- Choose a file to be used to store the trace information - click on the *Select File...* button.

This creates a trace file detailing ODBC activity for each function call or request that uses ODBC. Remember to turn tracing off when you no longer need it.

SQL/Services Tracing

Rdb...

SQL/Services tracing provides a detailed log of all individual SQL database functions executed.
To enable SQL/Services tracing, use an editor, such as Notepad, to open the following file:

```
\WINDOWS\SQSAPIW.INI
```

Enable client logging by removing the semi-colon (;) comment mark before the line:

```
ClientLogging=7
```

You should restart Windows for this change to take effect. This generates a file called CLIENT.LOG which details all the SQL/Services calls made.

...Rdb

Reverse the change to SQSAPIW.INI when you no longer need tracing. You should restart Windows for this to be effective.

Tracing in the TCP/IP Client/Server Interface

The aim of the tracing is to aid users and field service personel in tracing what is going on during a TCP/IP exchange so that errors due to misconfiguration can be easily detected.

Environment

Tracing will be controlled by the environment variable logical DECEDI$TCP_TRACE, which is assigned a string. The string is composed of a series of letters, each letter identifying a particular component of the exchange that needs to be traced.
The letters currectly supported are:
‘A’ : Switch on all trace options available
‘C’ : Trace children: Specific to the port server. This lists when children are created or reused, and to which child a request is rerouted.
‘P’ : Trace protocol: List the protocol messages sent and received.
‘S’ : Trace services: ? On the client side this reports which server nodes and services are attempted to be contacted.
? On the server side this reports which clients made contact to which services.
‘T’ : Trace traffic: List the size of messages being sent or received. This would normally be used in conjunction with ‘P’. The reason for two is that

‘P’ is traced as soon as we send or receive the message header, whilst the ‘T’ cant be done until be have completed sending or receiving the data.
To trace everything you could set DECEDI_TCP_TRACE to “A” or to “CPST”.
Each process involved in the TCP/IP linkage does its own tracing to its own trace log. The log file being:
DECEDI$ERROR:tcp_trace_<pid>.log

ODBC-Related Problems

Driver not capable
This means you have installed other software on your PC since ODBC installation, and it has disturbed the Digital DEC/EDI settings. A more likely cause is that your ODBC kit is too old, in which case you should obtain the latest kit, and reinstall.

Unsupported version of SQL/Services Client DLL
Trying to attach to a database or table fails with the message:

```
[MICROSOFT][ODBC DLL]Driver's SQLAllocConnect failed.

[DEC][ODBC]Unsupported version of SQL/Services Client
DLL.
```

Multiple version or the wrong version of SQSAPIW.DLL are present on the PC. Ensure that only one version of SQSAPIW.DLL is present on the PC and resides in the \WINDOWS\SYSTEM directory. If necessary, copy SQSAPIW.DLL directly from the installation diskette to the \WINDOWS\SYSTEM directory.

Trying to attach to a database or table fails with native error code -2035
This is a SQL/Services error which usually results when the Server on the VMS system has died. This usually means that SQL/Services was never installed correctly on the VMS machine. On the VMS machine, examine SYS$STARTUP:SQLSRV$.LOG and any logs in the default SQL /Services account for the cause of the problems.

Invalid Class Name

```
[DEC][ODBC][Rdb]%SQLSRV-F-NO_CLS, Invalid Class Name
```

An undefined SQL/Services class name was specified when the data source was configured on the PC via the ODBC Administrator.
Another potential reason is that you are running SQL /Services standard version which expects GENERIC as the class, or SQL/Services multi version, which expects V61 etc. as the class name.

```
Suberror code is n [DEC][ODBC] [Rdb]Network Error:
Suberror code is nn
```

This is usually a Pathworks error where nn = the Pathworks error code. The error codes can be found in the Pathworks files errno.h (for DECNET) or sock_err.h (for TCP/IP).
Some of the more common errors are:

- `[DEC][ODBC][Rdb]Network Error: Suberror code is 3`
  This occurs when SQL/Services is not running.

- `[DEC][ODBC][Rdb]Network Error: Suberror code is 49`
  This occurs when the target DECNET node is not defined on the PC.
- `[DEC][ODBC][Rdb]Network Error: Suberror code is 60`
  This occurs when pathworks times out, usually as a result of the SQL/Services Server crashing.

Client not authorized to access database
The username supplied via ODBC is not authorized to access the database. Ensure the user has an account on the Server and has enough privileges to access the Digital DEC/EDI database.

Appendix A **OpenVMS Server and Client**

Log of New Server and Client Installation on OPEN VMS AXP

```
@sys$update:vmsinstal DECEDIA040 DKA400:[KITS]
OpenVMS AXP Software Product Installation Procedure V7.3
It is 12-DEC-2001 at 15:39.
Enter a question mark (?) at any time for help.
%VMSINSTAL-W-ACTIVE, The following processes are still active:
       TCPIP$FTP_1
       RMU_SE005000170
       RMU_SE005000270
       RMU_SE005000370
       RMU_SE005000470
* Do you want to continue anyway [NO]? yes
* Are you satisfied with the backup of your system disk [YES]?
The following products will be processed:
  DECEDIA V4.0
Beginning installation of DECEDIA V4.0 at 15:39

%VMSINSTAL-I-RESTORE, Restoring product save set A ...
%VMSINSTAL-I-RELMOVED, Product's release notes have been moved
to SYS$HELP.

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sublicensor.
```

```
* Do you want to purge files replaced by this installation
[YES]?
* Do you want to run the IVP after the installation [YES]?
 ============================================================
 Compaq DEC/EDI can be installed on a node as both a Client
 and a Server or just a Client to a remote Server.
 ============================================================
* Do you want to install the Server [YES]?

============================================================
   In order to use the TCP/IP
   client interfaces you need to configure them for
   Compaq DEC/EDI after the installation by running the command
   file DECEDI$TOOLS:DECEDI$CONFIGURE_CLIENT_SERVER.COM

============================================================

   The following versions of Rdb/VMS are available:

   *V7.0-6

* Please enter the Rdb/VMS version to be used by Compaq DEC/EDI
[*V7.0-6]:

Current PROCESS Oracle Rdb environment is version V7.0-6
(MULTIVERSION)
Current PROCESS SQL environment is version V7.0-6
(MULTIVERSION)
Current PROCESS Rdb/Dispatch environment is version V7.0-6
(MULTIVERSION)

No further questions will be asked during the installation.
Installation of Compaq DEC/EDI V4.0 will take approximately 7-
15 minutes

%DECEDIA-I-INFO, defining DECEDI Account with autogenerated
password

%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
```

```
%DECEDIA-I-INFO, Defining Compaq DEC/EDI Directories
%DECEDIA-I-CREATEDIR, Creating directory DKA400:[DECEDI]
%DECEDIA-I-CREATEDIR, Creating directory
DKA400:[DECEDI.AUDIT_DB]
%DECEDIA-I-CREATEDIR, Creating directory
DKA400:[DECEDI.ARCHIVE_DB]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[DATA]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[ERROR]
%DECEDIA-I-CREATEDIR, Creating directory
DECEDI$TOP:[VANREPORTS]
%DECEDIA-I-CREATEDIR, Creating directory
DECEDI$TOP:[ARCHREPORTS]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[TOOLS]
%DECEDIA-I-CREATEDIR, Creating directory
DECEDI$TOP:[DS_SCRATCH]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[BACKUP]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[CVP]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[CVP.WORK]
%DECEDIA-I-CREATEDIR, Creating directory
DECEDI$TOP:[CVP.IMPEXP]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[3780PLUS]
%DECEDIA-I-CREATEDIR, Creating directory
DECEDI$TOP:[MESSAGE_UPDATES]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[CACHE]
%DECEDIA-I-CREATEDIR, Creating directory
DECEDI$TOP:[MAP_TABLES]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[TEMP]
%VMSINSTAL-I-SYSDIR, This product creates system directory
[SYSHLP.EXAMPLES.DECEDI].
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_1]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_2]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_3]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_4]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_5]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_6]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_7]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_8]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_9]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_10]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_11]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_12]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_13]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_14]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_15]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_16]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_17]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_18]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_19]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_20]
```

```
%DECEDIA-I-SECURDIR, Securing all Compaq DEC/EDI
directories...

%DECEDIA-I-INFO, Restoring Compaq DEC/EDI Files...
%VMSINSTAL-I-RESTORE, Restoring product save set B ...
%VMSINSTAL-I-RESTORE, Restoring product save set C ...
%VMSINSTAL-I-RESTORE, Restoring product save set D ...
%VMSINSTAL-I-RESTORE, Restoring product save set E ...
%VMSINSTAL-I-RESTORE, Restoring product save set F ...

%DECEDIA-I-CREATEDB, Creating default database...
%DECEDIA-I-CREATEDB, Creating default Archive database...


%DECEDIA-I-INFO, Loading Compaq DEC/EDI Files...
%DECEDIA-I-INFO, Loading tools and examples...
%DECEDIA-I-INFO, Loading DCL command tables...
%DECEDIA-I-INFO, Loading help files...
%DECEDIA-I-INFO, Loading TPU section files...
%TPU-S-CREATED, File
KALAM$DKA100:[SYS0.SYSUPD.DECEDIA040]DECEDI$SECTION.TPU$SECTIO
N;1 created
%TPU-S-SECTSAVED, 76 procedures, 90 variables, 29 keys saved
%DECEDIA-I-INFO, Loading System images...
%DECEDIA-I-INFO, Loading Application service files...
%DECEDIA-I-INFO, Loading Translation service images...
%DECEDIA-I-INFO, Loading Communication service images...
%DECEDIA-I-INFO, Loading Communication service files...
%DECEDIA-I-INFO, Loading FDL Files...
%DECEDIA-I-INFO, Loading Data Files...
%DECEDIA-I-INFO, Loading Command Files...
%DECEDIA-I-INFO, Loading Mapper Files...

%DECEDIA-I-INFO, Restoring The Message Updates Service Tool
for Compaq DEC/EDI V4.0.

%VMSINSTAL-I-RESTORE, Restoring product save set L ...

%DECEDIA-I-INFO, Converting Data Files...
%DECEDIA-I-INFO, Loading CVP data...

   Installation of Compaq DEC/EDI V4.0 succeeded
   =============================================

================================================================
DECEDI$PRVSHR.EXE Image should be loaded into the Memory using
a privileged account. Following Command should be run in order
to make use of the Compaq DEC/EDI Client.
```

```
INSTALL ADD SYS$LIBRARY:DECEDI$PRVSHR.EXE
/OPEN/SHARE/HEADER/PROT
It can also be added in the SYSTARTUP_VMS.COM.

============================================================
%DECEDIA-I-CLEANUP, Performing post-installation cleanup
%VMSINSTAL-I-MOVEFILES, Files will now be moved to their
target directories...
%SEARCH-I-NOMATCHES, no strings matched

   Executing IVP for Compaq DEC/EDI V4.0
   ====================================

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rights reserved.

    Please wait - Checking all Compaq DEC/EDI files
    ===============================================

        ====================================
                  IVP was successful.

          Total number of files expected : 216
               Number of files missing : 0
               Number of checksum errors : 0
          Number of file protection errors : 0
           Number of file ownership errors : 0
               Number of locked files : 0
        ====================================

   IVP for Compaq DEC/EDI V4.0 has Executed to Completion
   ======================================================

      Installation of DECEDIA V4.0 completed at 15:44

  Adding history entry in VMI$ROOT:[SYSUPD]VMSINSTAL.HISTORY

Creating installation data file:
VMI$ROOT:[SYSUPD]DECEDIA040.VMI_DATA

VMSINSTAL procedure done at 15:44
```

Log of Migration of Server and Client on OPEN VMS AXP

```
@SYS$UPDATE:VMSINSTAL DECEDIA040 DKA400:[EDIV4.KITS] OPTIONS N

OpenVMS AXP Software Product Installation Procedure V7.2-1

It is 12-DEC-2001 at 22:41.

Enter a question mark (?) at any time for help.

* Are you satisfied with the backup of your system disk [YES]?

The following products will be processed:

DECEDIA V4.0

Beginning installation of DECEDIA V4.0 at 22:41

%VMSINSTAL-I-RESTORE, Restoring product save set A ...

Release notes included with this kit are always copied to
SYS$HELP.

    Additional Release Notes Options:

        1.  Display release notes
        2.  Print release notes
        3.  Both 1 and 2
        4.  None of the above

* Select option [2]: 4
* Do you want to continue the installation [NO]? YES
%VMSINSTAL-I-RELMOVED, Product's release notes have been moved
to SYS$HELP.

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52.227-19, or in FAR 52.227-14 Alt III, as applicable.

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technology of Compaq Computer Corporation. Possesion, use, or
copying of this software and media is authorized only pursuant
```

```
to a valid written license from Compaq or an authorized
sublicensor.

The Compaq DEC/EDI V3.2B server is installed on this node.

This Compaq DEC/EDI V4.0 kit installation procedure gives you
the option of upgrading from Compaq DEC/EDI V3.2B to Compaq
DEC/EDI V4.0 or loading definitions of EDI standards for use
with the Compaq DEC/EDI Message Updates Service.

Please select:
   1 - To install EDI standards definitions.
   2 - To upgrade from Compaq DEC/EDI V3.2B to Compaq DEC/EDI
V4.0.
   3 - To abort this installation.

*    Option [1]: 2

  ========================================================
                          WARNING
  You have instructed this installation procedure to
  migrate your Compaq DEC/EDI server from V3.2B to V4.0.
  ========================================================

  ========================================================
  When Migrating to a V4 database please backup your data
  from Mapper and Audit Databases.
  When Migrating ensure FBR$LIBRARY logical is Defined.
   ========================================================

*    Do you wish to continue with this upgrade [NO]? YES
* Do you want to purge files replaced by this installation
[YES]?
* Do you want to run the IVP after the installation [YES]?

  ========================================================
  Compaq DEC/EDI can be installed on a node as both a Client
  and a Server or just a Client to a remote Server.
  ========================================================

* Do you want to install the Server [YES]?

========================================================
  In order to use the TCP/IP
  client interfaces you need to configure them for
  Compaq DEC/EDI after the installation by running the command
  file DECEDI$TOOLS:DECEDI$CONFIGURE_CLIENT_SERVER.COM
========================================================
```

```
%SYSTEM-F-DUPLNAM, duplicate name

================================================================
Compaq DEC/EDI Server already exists on this node.
Installation of Compaq DEC/EDI will retain data integrity.
Upgrading Compaq DEC/EDI Server V3.2B to Compaq DEC/EDI Server
V4.0
================================================================

* Do you still want to proceed with this installation [YES]?
* Specify the directory to store the UNL File for migration
[DECEDI$TEMP:]:

   The following versions of Rdb/VMS are available:

   *V7.0-3

* Please enter the Rdb/VMS version to be used by Compaq DEC/EDI
[*V7.0-3]:

Current PROCESS Oracle Rdb environment is version V7.0-3
(MULTIVERSION)
Current PROCESS SQL environment is version V7.0-3
(MULTIVERSION)
Current PROCESS Rdb/Dispatch environment is version V7.0-3
(MULTIVERSION)
%SYSTEM-F-DUPLNAM, duplicate name

   No further questions will be asked during the installation.
   Installation of Compaq DEC/EDI V4.0 will take approximately
7-15 minutes

%DECEDIA-I-INFO, defining DECEDI Account with autogenerated
password

%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%DECEDIA-I-INFO, Defining Compaq DEC/EDI Directories
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DKA200:[DECEDI]
```

```
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DKA200:[DECEDI.AUDIT_DB]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DKA200:[DECEDI.ARCHIVE_DB]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[DATA]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[ERROR]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[VANREPORTS]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[ARCHREPORTS]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[TOOLS]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[DS_SCRATCH]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[BACKUP]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[CVP]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[CVP.WORK]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[CVP.IMPEXP]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[3780PLUS]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[MESSAGE_UPDATES]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[CACHE]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[MAP_TABLES]
%DECEDIA-I-DIREXISTS, Amending existing directory
DECEDI$TOP:[TEMP]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_1]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_2]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_3]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_4]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_5]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_6]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_7]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_8]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_9]
```

```
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_10]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_11]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_12]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_13]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_14]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_15]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_16]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_17]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_18]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_19]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DECEDI$TOP:[STORE_20]
%DECEDIA-I-SECURDIR, Securing all Compaq DEC/EDI
directories...

%DECEDIA-I-INFO, Restoring Compaq DEC/EDI Files...
%VMSINSTAL-I-RESTORE, Restoring product save set B ...
%VMSINSTAL-I-RESTORE, Restoring product save set C ...
%VMSINSTAL-I-RESTORE, Restoring product save set D ...
%VMSINSTAL-I-RESTORE, Restoring product save set E ...
%VMSINSTAL-I-RESTORE, Restoring product save set F ...

%DECEDIA-I-INFO, Loading Compaq DEC/EDI Files...
%DECEDIA-I-INFO, Loading tools and examples...
%DECEDIA-I-INFO, Loading DCL command tables...
%DECEDIA-I-INFO, Loading help files...
%DECEDIA-I-INFO, Loading TPU section files...
%TPU-S-CREATED, File
JMEKON$DKA0:[SYS0.SYSUPD.DECEDIA040]DECEDI$SECTION.TPU$SECTION
;1 created
%TPU-S-SECTSAVED, 76 procedures, 90 variables, 29 keys saved
%DECEDIA-I-INFO, Loading System images...
%DECEDIA-I-INFO, Loading Application service files...
%DECEDIA-I-INFO, Loading Translation service images...
%DECEDIA-I-INFO, Loading Communication service images...
%DECEDIA-I-INFO, Loading Communication service files...
%DECEDIA-I-INFO, Loading FDL Files...
%DECEDIA-I-INFO, Loading Data Files...
%DECEDIA-I-INFO, Loading Command Files...
%DECEDIA-I-INFO, Loading Mapper Files...
```

```
%DECEDIA-I-INFO, Restoring The Message Updates Service Tool
for Compaq DEC/EDI V4.0.

%VMSINSTAL-I-RESTORE, Restoring product save set L ...

%DECEDIA-I-INFO, Converting Data Files...
%DECEDIA-I-INFO, Loading CVP data...

   Installation of Compaq DEC/EDI V4.0 succeeded
   =============================================

============================================================
DECEDI$PRVSHR.EXE Image should be loaded into the Memory using
a privileged account. Following Command should be run in order
to make use of the Compaq DEC/EDI Client.
INSTALL ADD SYS$LIBRARY:DECEDI$PRVSHR.EXE
/OPEN/SHARE/HEADER/PROT

It can also be added in the SYSTARTUP_VMS.COM.
============================================================
%DECEDIA-I-CLEANUP, Performing post-installation cleanup
%VMSINSTAL-I-MOVEFILES, Files will now be moved to their
target directories...
%SEARCH-I-NOMATCHES, no strings matched
Creating event table in DECEDI$AUDIT_DB...
%RDMS-W-DOFULLBCK, full database backup should be done to
ensure future recovery
%SQL-I-DEPR_FEATURE, Deprecated Feature: Default evaluation
for constraints: DEFERRABLE
%SQL-I-DEPR_FEATURE, Deprecated Feature: Default evaluation
for constraints: DEFERRABLE
%SEARCH-I-NOMATCHES, no strings matched
Creating avail table in DECEDI$AUDIT_DB...
%RDMS-W-DOFULLBCK, full database backup should be done to
ensure future recovery
0 rows inserted
%SEARCH-I-NOMATCHES, no strings matched
%RMU-I-DATRECUNL,   0 data records unloaded.
0 rows updated
0 rows deleted
0 rows updated
0 rows updated
%RMU-I-DATRECREAD,  0 data records read from input file.
%RMU-I-DATRECSTO,   0 data records stored.
%SEARCH-I-NOMATCHES, no strings matched

   Executing IVP for Compaq DEC/EDI V4.0
   =====================================
```

```
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rights reserved.

     Please wait - Checking all Compaq DEC/EDI files
   ==================================================

         ====================================
             IVP was successful.
          Total number of files expected : 225
               Number of files missing : 0
             Number of checksum errors : 0
          Number of file protection errors : 0
           Number of file ownership errors : 0
               Number of locked files : 0
         ====================================

   IVP for Compaq DEC/EDI V4.0 has Executed to Completion
   ======================================================

Installation of DECEDIA V4.0 completed at 23:00
Adding history entry in VMI$ROOT:[SYSUPD]VMSINSTAL.HISTORY
Creating installation data file:
VMI$ROOT:[SYSUPD]DECEDIA040.VMI_DATA

        VMSINSTAL procedure done at 23:01
```

Appendix B **OpenVMS Client only**

Log of New Client Installation of OPEN VMS AXP

```
$ @SYS$UPDATE:VMSINSTAL DECEDIA040 DKA400:[EDIV4.KITS] OPTION
N

OpenVMS AXP Software Product Installation Procedure V7.2-1

It is 12-DEC-2001 at 20:16.
Enter a question mark (?) at any time for help.
* Are you satisfied with the backup of your system disk [YES]?

The following products will be processed:

  DECEDIA V4.0

Beginning installation of DECEDIA V4.0 at 20:16

%VMSINSTAL-I-RESTORE, Restoring product save set A ...

Release notes included with this kit are always copied to
SYS$HELP.

    Additional Release Notes Options:

        1.  Display release notes
        2.  Print release notes
        3.  Both 1 and 2
        4.  None of the above

* Select option [2]: 4

* Do you want to continue the installation [NO]? yes
%VMSINSTAL-I-RELMOVED, Product's release notes have been moved
to SYS$HELP.
```

```
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to a valid written license from Compaq or an authorized
sublicensor.

* Do you want to purge files replaced by this installation
[YES]?
* Do you want to run the IVP after the installation [YES]?

  ============================================================
  Compaq DEC/EDI can be installed on a node as both a Client
  and a Server or just a Client to a remote Server.
  ============================================================

* Do you want to install the Server [YES]? no

============================================================
  In order to use the TCP/IP
  client interfaces you need to configure them for
  Compaq DEC/EDI after the installation by running the command
  file DECEDI$TOOLS:DECEDI$CONFIGURE_CLIENT_SERVER.COM

============================================================

* What is the name of the node on which the Compaq DEC/EDI
Server will run: JMEKON

No further questions will be asked during the installation.
Installation of Compaq DEC/EDI V4.0 will take approximately 2-
5 minutes

%DECEDIA-I-INFO, defining DECEDI Account with autogenerated
password

%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
```

```
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%DECEDIA-I-INFO, Defining Compaq DEC/EDI Directories
%DECEDIA-I-CREATEDIR, Creating directory DKA200:[DECEDI]
%DECEDIA-I-CREATEDIR, Creating directory DKA200:[DECEDI.TOOLS]
%DECEDIA-I-CREATEDIR, Creating directory DKA200:[DECEDI.DATA]
%VMSINSTAL-I-SYSDIR, This product creates system directory
[SYSHLP.EXAMPLES.DECEDI].

%DECEDIA-I-SECURDIR, Securing all Compaq DEC/EDI
directories...

%DECEDIA-I-INFO, Restoring Compaq DEC/EDI Files...
%VMSINSTAL-I-RESTORE, Restoring product save set C ...

%DECEDIA-I-INFO, Loading Compaq DEC/EDI Files...
%DECEDIA-I-INFO, Loading tools...
%DECEDIA-I-INFO, Loading DCL command tables...
%DECEDIA-I-INFO, Loading System images...
%DECEDIA-I-INFO, Loading Application service images...
%DECEDIA-I-INFO, Loading Application service files...

   Installation of Compaq DEC/EDI V4.0 succeeded
   =============================================

============================================================
DECEDI$PRVSHR.EXE Image should be loaded into the Memory using
a privileged account. Following Command should be run in order
to make use of the Compaq DEC/EDI Client.

INSTALL ADD SYS$LIBRARY:DECEDI$PRVSHR.EXE
/OPEN/SHARE/HEADER/PROT

It can also be added in the SYSTARTUP_VMS.COM.

============================================================
%DECEDIA-I-CLEANUP, Performing post-installation cleanup
%VMSINSTAL-I-MOVEFILES, Files will now be moved to their
target directories...

   Executing IVP for Compaq DEC/EDI V4.0
   =====================================

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rights reserved.
```

```
      Please wait - Checking all Compaq DEC/EDI files
      ===============================================

           ====================================
                    IVP was successful.

             Total number of files expected : 16
                 Number of files missing : 0
              Number of checksum errors : 0
             Number of file protection errors : 0
             Number of file ownership errors : 0
                  Number of locked files : 0
            ====================================

   IVP for Compaq DEC/EDI V4.0 has Executed to Completion
   ======================================================

Installation of DECEDIA V4.0 completed at 20:19

Adding history entry in VMI$ROOT:[SYSUPD]VMSINSTAL.HISTORY

Creating installation data file:
VMI$ROOT:[SYSUPD]DECEDIA040.VMI_DATA

VMSINSTAL procedure done at 20:19
```

Log of Migration of Client on OPEN VMS AXP

```
@SYS$UPDATE:VMSINSTAL DECEDIA040 KALAM$DKA400:[000000.KITS]
OPTIONS N

OpenVMS AXP Software Product Installation Procedure V7.3

It is 12-DEC-2001 at 17:01.

Enter a question mark (?) at any time for help.

%VMSINSTAL-W-ACTIVE, The following processes are still active:
       TCPIP$FTP_1
       RMU_SE005000170
       RMU_SE005000270
       RMU_SE005000370
       RMU_SE005000470
* Do you want to continue anyway [NO]? yes
* Are you satisfied with the backup of your system disk [YES]?
```

```
The following products will be processed:

  DECEDIA V4.0

Beginning installation of DECEDIA V4.0 at 17:01

%VMSINSTAL-I-RESTORE, Restoring product save set A ...

Release notes included with this kit are always copied to
SYS$HELP.

    Additional Release Notes Options:

        1.  Display release notes
        2.  Print release notes
        3.  Both 1 and 2
        4.  None of the above

* Select option [2]: 4
* Do you want to continue the installation [NO]? yes
%VMSINSTAL-I-RELMOVED, Product's release notes have been moved
to SYS$HELP.

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copying of this software and media is authorized only pursuant
to a valid written license from Compaq or an authorized
sublicensor.

* Do you want to purge files replaced by this installation
[YES]?
* Do you want to run the IVP after the installation [YES]?

 ============================================================
 Compaq DEC/EDI can be installed on a node as both a Client
 and a Server or just a Client to a remote Server.
 ============================================================

* Do you want to install the Server [YES]? no
  ============================================================
    In order to use the TCP/IP
    client interfaces you need to configure them for
```

```
   Compaq DEC/EDI after the installation by running the command
   file DECEDI$TOOLS:DECEDI$CONFIGURE_CLIENT_SERVER.COM
  ============================================================

%SYSTEM-F-DUPLNAM, duplicate name

============================================================
Compaq DEC/EDI Client already exists on this node.
Upgrading Compaq DEC/EDI Client V3.2B to Compaq DEC/EDI Client
V4.0
============================================================

* Do you still want to proceed with this installation [YES]?
* What is the name of the node on which the Compaq DEC/EDI
Server will run: abacus

No further questions will be asked during the installation.
Installation of Compaq DEC/EDI V4.0 will take approximately 2-
5 minutes

%DECEDIA-I-INFO, defining DECEDI Account with autogenerated
password

%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%DECEDIA-I-INFO, Defining Compaq DEC/EDI Directories
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DKA400:[DECEDI]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DKA400:[DECEDI.TOOLS]
%DECEDIA-I-DIREXISTS, Amending ownership of directory
DKA400:[DECEDI.DATA]

%DECEDIA-I-SECURDIR, Securing all Compaq DEC/EDI
directories...

%DECEDIA-I-INFO, Restoring Compaq DEC/EDI Files...
%VMSINSTAL-I-RESTORE, Restoring product save set C ...

%DECEDIA-I-INFO, Loading Compaq DEC/EDI Files...
```

```
%DECEDIA-I-INFO, Loading tools...
%DECEDIA-I-INFO, Loading DCL command tables...
%DECEDIA-I-INFO, Loading System images...
%DECEDIA-I-INFO, Loading Application service images...
%DECEDIA-I-INFO, Loading Application service files...

   Installation of Compaq DEC/EDI V4.0 succeeded
   =============================================

============================================================
DECEDI$PRVSHR.EXE Image should be loaded into the Memory using
a privileged account. Following Command should be run in order
to make use of the Compaq DEC/EDI Client.

INSTALL ADD SYS$LIBRARY:DECEDI$PRVSHR.EXE
/OPEN/SHARE/HEADER/PROT

It can also be added in the SYSTARTUP_VMS.COM.

============================================================
%DECEDIA-I-CLEANUP, Performing post-installation cleanup
%VMSINSTAL-I-MOVEFILES, Files will now be moved to their
target directories...

   Executing IVP for Compaq DEC/EDI V4.0
   =====================================

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rights reserved.

      Please wait - Checking all Compaq DEC/EDI files
      ===============================================

           ====================================
                     IVP was successful.

             Total number of files expected : 18
                  Number of files missing : 0
                Number of checksum errors : 0
             Number of file protection errors : 0
             Number of file ownership errors : 0
                  Number of locked files : 0
           ====================================

IVP for Compaq DEC/EDI V4.0 has Executed to Completion
======================================================

Installation of DECEDIA V4.0 completed at 17:02
```

```
Adding history entry in VMI$ROOT:[SYSUPD]VMSINSTAL.HISTORY

Creating installation data file:
VMI$ROOT:[SYSUPD]DECEDIA040.VMI_DATA

VMSINSTAL procedure done at 17:03
```

Appendix C **OpenVMS Message Updates Kit**

```
@SYS$UPDATE:VMSINSTAL DECEDIA040 KALAM$DKA400:[000000.KITS]
OPTIONS N

OpenVMS AXP Software Product Installation Procedure V7.3

It is 12-DEC-2001 at 15:39.

Enter a question mark (?) at any time for help.

%VMSINSTAL-W-ACTIVE, The following processes are still active:
       TCPIP$FTP_1
       RMU_SE005000170
       RMU_SE005000270
       RMU_SE005000370
       RMU_SE005000470
* Do you want to continue anyway [NO]? yes
* Are you satisfied with the backup of your system disk [YES]?

The following products will be processed:

  DECEDIA V4.0

Beginning installation of DECEDIA V4.0 at 15:39

%VMSINSTAL-I-RESTORE, Restoring product save set A ...

Release notes included with this kit are always copied to
SYS$HELP.

    Additional Release Notes Options:

        1.  Display release notes
        2.  Print release notes
        3.  Both 1 and 2
        4.  None of the above
```

```
* Select option [2]: 4

* Do you want to continue the installation [NO]? yes
%VMSINSTAL-I-RELMOVED, Product's release notes have been moved
to SYS$HELP.

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to a valid written license from Compaq or an authorized
sublicensor.

* Do you want to purge files replaced by this installation
[YES]?
* Do you want to run the IVP after the installation [YES]?

 ============================================================
 Compaq DEC/EDI can be installed on a node as both a Client
 and a Server or just a Client to a remote Server.
 ============================================================

* Do you want to install the Server [YES]?

============================================================
  In order to use the TCP/IP
  client interfaces you need to configure them for
  Compaq DEC/EDI after the installation by running the command
  file DECEDI$TOOLS:DECEDI$CONFIGURE_CLIENT_SERVER.COM

============================================================

   The following versions of Rdb/VMS are available:

   *V7.0-6

* Please enter the Rdb/VMS version to be used by Compaq DEC/EDI
[*V7.0-6]:
Current PROCESS Oracle Rdb environment is version V7.0-6
(MULTIVERSION)
Current PROCESS SQL environment is version V7.0-6
(MULTIVERSION)
```

```
Current PROCESS Rdb/Dispatch environment is version V7.0-6
(MULTIVERSION)

No further questions will be asked during the installation.
Installation of Compaq DEC/EDI V4.0 will take approximately 7-
15 minutes

%DECEDIA-I-INFO, defining DECEDI Account with autogenerated
password

%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%VMSINSTAL-I-ACCOUNT, This installation updates an ACCOUNT
named DECEDI.
%UAF-I-MDFYMSG, user record(s) updated
%DECEDIA-I-INFO, Defining Compaq DEC/EDI Directories
%DECEDIA-I-CREATEDIR, Creating directory DKA400:[DECEDI]
%DECEDIA-I-CREATEDIR, Creating directory
DKA400:[DECEDI.AUDIT_DB]
%DECEDIA-I-CREATEDIR, Creating directory
DKA400:[DECEDI.ARCHIVE_DB]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[DATA]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[ERROR]
%DECEDIA-I-CREATEDIR, Creating directory
DECEDI$TOP:[VANREPORTS]
%DECEDIA-I-CREATEDIR, Creating directory
DECEDI$TOP:[ARCHREPORTS]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[TOOLS]
%DECEDIA-I-CREATEDIR, Creating directory
DECEDI$TOP:[DS_SCRATCH]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[BACKUP]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[CVP]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[CVP.WORK]
%DECEDIA-I-CREATEDIR, Creating directory
DECEDI$TOP:[CVP.IMPEXP]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[3780PLUS]
%DECEDIA-I-CREATEDIR, Creating directory
DECEDI$TOP:[MESSAGE_UPDATES]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[CACHE]
%DECEDIA-I-CREATEDIR, Creating directory
DECEDI$TOP:[MAP_TABLES]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[TEMP]
%VMSINSTAL-I-SYSDIR, This product creates system directory
[SYSHLP.EXAMPLES.DECEDI].
```

```
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_1]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_2]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_3]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_4]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_5]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_6]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_7]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_8]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_9]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_10]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_11]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_12]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_13]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_14]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_15]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_16]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_17]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_18]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_19]
%DECEDIA-I-CREATEDIR, Creating directory DECEDI$TOP:[STORE_20]
%DECEDIA-I-SECURDIR, Securing all Compaq DEC/EDI
directories...

%DECEDIA-I-INFO, Restoring Compaq DEC/EDI Files...
%VMSINSTAL-I-RESTORE, Restoring product save set B ...
%VMSINSTAL-I-RESTORE, Restoring product save set C ...
%VMSINSTAL-I-RESTORE, Restoring product save set D ...
%VMSINSTAL-I-RESTORE, Restoring product save set E ...
%VMSINSTAL-I-RESTORE, Restoring product save set F ...

%DECEDIA-I-CREATEDB, Creating default database...
%DECEDIA-I-CREATEDB, Creating default Archive database...


%DECEDIA-I-INFO, Loading Compaq DEC/EDI Files...
%DECEDIA-I-INFO, Loading tools and examples...
%DECEDIA-I-INFO, Loading DCL command tables...
%DECEDIA-I-INFO, Loading help files...
%DECEDIA-I-INFO, Loading TPU section files...
%TPU-S-CREATED, File
KALAM$DKA100:[SYS0.SYSUPD.DECEDIA040]DECEDI$SECTION.TPU$SECTIO
N;1 created
%TPU-S-SECTSAVED, 76 procedures, 90 variables, 29 keys saved
%DECEDIA-I-INFO, Loading System images...
%DECEDIA-I-INFO, Loading Application service files...
%DECEDIA-I-INFO, Loading Translation service images...
%DECEDIA-I-INFO, Loading Communication service images...
%DECEDIA-I-INFO, Loading Communication service files...
```

```
%DECEDIA-I-INFO, Loading FDL Files...
%DECEDIA-I-INFO, Loading Data Files...
%DECEDIA-I-INFO, Loading Command Files...
%DECEDIA-I-INFO, Loading Mapper Files...

%DECEDIA-I-INFO, Restoring The Message Updates Service Tool
for Compaq DEC/EDI V4.0.

%VMSINSTAL-I-RESTORE, Restoring product save set L ...

%DECEDIA-I-INFO, Converting Data Files...
%DECEDIA-I-INFO, Loading CVP data...


   Installation of Compaq DEC/EDI V4.0 succeeded
   =============================================

============================================================
DECEDI$PRVSHR.EXE Image should be loaded into the Memory using
a privileged account. Following Command should be run in order
to make use of the Compaq DEC/EDI Client.

INSTALL ADD SYS$LIBRARY:DECEDI$PRVSHR.EXE
/OPEN/SHARE/HEADER/PROT

It can also be added in the SYSTARTUP_VMS.COM.
============================================================
%DECEDIA-I-CLEANUP, Performing post-installation cleanup
%VMSINSTAL-I-MOVEFILES, Files will now be moved to their
target directories...
%SEARCH-I-NOMATCHES, no strings matched

   Executing IVP for Compaq DEC/EDI V4.0
   =====================================

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   Please wait - Checking all Compaq DEC/EDI files
   ===============================================

      ====================================
               IVP was successful.

        Total number of files expected : 216
            Number of files missing : 0
           Number of checksum errors : 0
        Number of file protection errors : 0
        Number of file ownership errors : 0
```

```
           Number of locked files : 0
      ====================================

   IVP for Compaq DEC/EDI V4.0 has Executed to Completion
   ======================================================

     Installation of DECEDIA V4.0 completed at 15:44

Adding history entry in VMI$ROOT:[SYSUPD]VMSINSTAL.HISTORY

Creating installation data file:
VMI$ROOT:[SYSUPD]DECEDIA040.VMI_DATA


    VMSINSTAL procedure done at 15:44

$ @sys$update:vmsinstal DECEDIA040 DKA400:[KITS] OPTIONS N

OpenVMS AXP Software Product Installation Procedure V7.3

It is 12-DEC-2001 at 16:12.

Enter a question mark (?) at any time for help.

%VMSINSTAL-W-ACTIVE, The following processes are still active:
       TCPIP$FTP_1
       RMU_SE005000170
       RMU_SE005000270
       RMU_SE005000370
       RMU_SE005000470
* Do you want to continue anyway [NO]? yes
* Are you satisfied with the backup of your system disk [YES]?

The following products will be processed:

  DECEDIA V4.0

Beginning installation of DECEDIA V4.0 at 16:12

%VMSINSTAL-I-RESTORE, Restoring product save set A ...

Release notes included with this kit are always copied to
SYS$HELP.

    Additional Release Notes Options:

        1.  Display release notes
        2.  Print release notes
```

```
        3.  Both 1 and 2
        4.  None of the above

* Select option [2]: 4
* Do you want to continue the installation [NO]? yes
%VMSINSTAL-I-RELMOVED, Product's release notes have been moved
to SYS$HELP.

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technology of Compaq Computer Corporation. Possesion, use, or
copying of this software and media is authorized only pursuant
to a valid written license from Compaq or an authorized
sublicensor.

The Compaq DEC/EDI V4.0 server is already installed on this
node.

This Compaq DEC/EDI V4.0 kit installation procedure gives you
the option of re installing Compaq DEC/EDI V4.0 or loading
definitions of EDI standards for use with the Compaq DEC/EDI
Message Updates Service.

   Please select:
        1 - To install EDI standards definitions.
        2 - To re install Compaq DEC/EDI V4.0.
        3 - To abort this installation.

*    Option [1]: 1

This Compaq DEC/EDI V4.0 kit contains support for version 4 of
the Compaq DEC/EDI Message Updates Service, which superceeds
the version 2 Compaq DEC/EDI Message Updates Service.

Compaq DEC/EDI Message Updates Service V4.0 consists of two
parts:

The Message Updates Service tool.
This installation procedure will ensure that the correct
version of this tool for Compaq DEC/EDI V4.0 is installed.

A set of IMPDEF files containing standards definitions.
```

```
In order to use Message Updates with Compaq DEC/EDI V4.0 you
must now indicate which standards you wish to use with your
Compaq DEC/EDI system.

Version 1 Compaq DEC/EDI Message Updates Services are not
supported by Compaq DEC/EDI V4.0

* Do you wish to install Compaq DEC/EDI MUS IMPDEF files [YES]?

The Message Updates Service stores Standard/Version IMPDEF
files in a directory referred to by the logical name
DECEDI$IMPDEF.

    The DECEDI$IMPDEF directory does not exist.
It is normally created in the DECEDI$TOP directory structure.
* Do you wish to suggest an alternative path for DECEDI$IMPDEF
[N]?
* Do you wish to restore any EDIFACT IMPDEF files [Y]?
%VMSINSTAL-I-RESTORE, Restoring product save set G ...

The IMPDEF files for the following versions of EDIFACT are
available :

     1
     901
     902
     911
     912
     921
     CTRL
     D00A
     D93A
     D94B
     D95A
     D95B
     D96A
     D96B
     D97A
     D97B
     D98A
     D98B
     D99A
     D99B
     S93A

Enter a comma separated list of EDIFACT IMPDEF files to
restore.
        e.g. 1,S93A
Or type ALL to select all EDIFACT IMPDEF files.
```

```
* Select EDIFACT IMPDEF files to restore [ALL]:

Restoring the chosen EDIFACT IMPDEF files requires 21137
storage blocks.

This will leave you with 31963753 free blocks.

* Do you wish to continue restoring the chosen EDIFACT IMPDEF
files. [Y]?
* Do you wish to restore any ODETTE IMPDEF files [Y]?
%VMSINSTAL-I-RESTORE, Restoring product save set H ...


The IMPDEF files for the following versions of ODETTE are
available :

     1
     3

Enter a comma separated list of ODETTE IMPDEF files to restore.
        e.g. 1,3
Or type ALL to select all ODETTE IMPDEF files.

* Select ODETTE IMPDEF files to restore [ALL]:

Restoring the chosen ODETTE IMPDEF files requires 232 storage
blocks.

This will leave you with 31963521 free blocks.

* Do you wish to continue restoring the chosen ODETTE IMPDEF
files. [Y]?
* Do you wish to restore any X12 IMPDEF files [Y]?
%VMSINSTAL-I-RESTORE, Restoring product save set I ...

The IMPDEF files for the following versions of X12 are
available :

     002001
     002002
     002003
     002040
     003010
     003020
     003021
     003022
     003030
     003031
```

```
     003032
     003040
     003041
     003050
     003051
     003052
     003060
     003061
     003062
     003070
     003071
     003072
     004010
     004011
     004012
     004020
     004021
     004030
     004040

Enter a comma separated list of X12 IMPDEF files to restore.
        e.g. 002001,004040
Or type ALL to select all X12 IMPDEF files.

* Select X12 IMPDEF files to restore [ALL]:

Restoring the chosen X12 IMPDEF files requires 93991 storage
blocks.

This will leave you with 31869530 free blocks.

* Do you wish to continue restoring the chosen X12 IMPDEF
files. [Y]?
* Do you wish to restore any TDCC IMPDEF files [Y]?
%VMSINSTAL-I-RESTORE, Restoring product save set J ...

The IMPDEF files for the following versions of TDCC are
available :

     002006
     002007
     002008
     002009
     003000
     003001
     003020
     003030
     003040
```

```
     003050
     003060
     003070
     004010

Enter a comma separated list of TDCC IMPDEF files to restore.
        e.g. 002006,004010
Or type ALL to select all TDCC IMPDEF files.

* Select TDCC IMPDEF files to restore [ALL]:

Restoring the chosen TDCC IMPDEF files requires 19570 storage
blocks.

This will leave you with 31849960 free blocks.

* Do you wish to continue restoring the chosen TDCC IMPDEF
files. [Y]?
* Do you wish to restore any TRADACOMS IMPDEF files [Y]?
%VMSINSTAL-I-RESTORE, Restoring product save set K ...

The IMPDEF files for the following versions of TRADACOMS are
available :

     89
     93

Enter a comma separated list of TRADACOMS IMPDEF files to
restore.
        e.g. 89,93
Or type ALL to select all TRADACOMS IMPDEF files.

* Select TRADACOMS IMPDEF files to restore [ALL]:

Restoring the chosen TRADACOMS IMPDEF files requires 389
storage blocks.

This will leave you with 31849571 free blocks.

* Do you wish to continue restoring the chosen TRADACOMS IMPDEF
files. [Y]?

%DECEDIA-I-INFO, Restoring The Message Updates Service Tool
for Compaq DEC/EDI V4.0.

%VMSINSTAL-I-RESTORE, Restoring product save set L ...


   Installation of MUS for Compaq DEC/EDI V4.0 succeeded
```

```
   ========================================================

%VMSINSTAL-I-MOVEFILES, Files will now be moved to their
target directories...

Installation of DECEDIA V4.0 completed at 16:16

Adding history entry in VMI$ROOT:[SYSUPD]VMSINSTAL.HISTORY

Creating installation data file:
VMI$ROOT:[SYSUPD]DECEDIA040.VMI_DATA

VMSINSTAL procedure done at 16:16
```

Appendix D **Digital UNIX Server and Client**

Installtion Log

```
Use the setld command to install the DEC/EDI software

# setld -l /dedi040/kit

The subsets listed below are optional:
There may be more optional subsets than can be presented on a
single screen. If this is the case, you can choose subsets
screen by screen or all at once on the last screen. All of the
choices you make will be collected for your confirmation
before any subsets are installed.
1) Compaq DEC/EDI 3780 Gateway
2) Compaq DEC/EDI Base
3) Compaq DEC/EDI Client Man Pages
4) Compaq DEC/EDI Client
5) Compaq DEC/EDI Internet SMTP/MIME Gateway
6) Compaq DEC/EDI Mailbus 400 Gateway
7) Compaq DEC/EDI Message Updates Base
--- MORE TO FOLLOW ---
Enter your choices or press RETURN to display the next screen.
Estimated free diskspace(MB) in root:29.3 usr:1106.7 var:475.8
Choices (for example, 1 2 4-6):
8) Compaq DEC/EDI Message Updates EDIFACT IMPDEF files
9) Compaq DEC/EDI Message Updates Man Pages
10) Compaq DEC/EDI Message Updates ODETTE IMPDEF files
11) Compaq DEC/EDI Message Updates TDCC IMPDEF files
12) Compaq DEC/EDI Message Updates TRADACOMS IMPDEF files
13) Compaq DEC/EDI Message Updates X12 IMPDEF files
14) Compaq DEC/EDI OFTP Gateway
15) Compaq DEC/EDI Server Man Pages
16) Compaq DEC/EDI Server
17) Compaq DEC/EDI Translation Services
--- MORE TO FOLLOW ---
Enter your choices or press RETURN to display the next screen.
```

```
Estimated free diskspace(MB) in root:29.3 usr:1106.7 var:475.8
Choices (for example, 1 2 4-6):
Or you may choose one of the following options:
18) ALL of the above
19) CANCEL selections and redisplay menus
20) EXIT without installing any subsets
Estimated free diskspace(MB) in root:29.3 usr:1106.7 var:475.8
Enter your choices or press RETURN to redisplay menus.
Choices (for example, 1 2 4-6): 18
You are installing the following optional subsets:
Compaq DEC/EDI 3780 Gateway
Compaq DEC/EDI Base
Compaq DEC/EDI Client Man Pages
Compaq DEC/EDI Client
Compaq DEC/EDI Internet SMTP/MIME Gateway
Compaq DEC/EDI Mailbus 400 Gateway
Compaq DEC/EDI Message Updates Base
Compaq DEC/EDI Message Updates EDIFACT IMPDEF files
Compaq DEC/EDI Message Updates Man Pages
Compaq DEC/EDI Message Updates ODETTE IMPDEF files
Compaq DEC/EDI Message Updates TDCC IMPDEF files
Compaq DEC/EDI Message Updates TRADACOMS IMPDEF files
Compaq DEC/EDI Message Updates X12 IMPDEF files
Compaq DEC/EDI OFTP Gateway

Press RETURN to display the next screen.
Compaq DEC/EDI Server Man Pages
Compaq DEC/EDI Server
Compaq DEC/EDI Translation Services

Estimated free diskspace(MB) in root:29.3 usr:1017.8 var:475.8
Is this correct? (y/n): y
Checking file system space required to install selected
subsets:
File system space checked OK.
17 subsets will be installed.
Loading subset 1 of 17 ...
DEC/EDI Base (Compaq Tru64 UNIX) version 4.0
 Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Base (Compaq Tru64 UNIX) subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Base
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 2 of 17 ...
 DEC/EDI Server (Compaq Tru64 UNIX) version 4.0
```

```
 Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Server (Compaq Tru64 UNIX) subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Server
 Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Working....Tue Nov  6 19:11:55 IST 2001 Verifying
Loading subset 3 of 17 ...
DEC/EDI Server Man Pages (Compaq Tru64 UNIX) version 4.0
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Server Man Pages (Compaq Tru64 UNIX) subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Server Man Pages
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 4 of 17 ...
DEC/EDI Client (Compaq Tru64 UNIX) version 4.0
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Client (Compaq Tru64 UNIX) subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Client
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 5 of 17 ...
DEC/EDI Client Man Pages (Compaq Tru64 UNIX) version 4.0
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Client Man Pages (Compaq Tru64 UNIX) subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Client Man Pages
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 6 of 17 ...
DEC/EDI Translation Services (Compaq Tru64 UNIX) version 4.0
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Translation Services (Compaq Tru64 UNIX) subset will
take approximately 2 minutes to install, depending on your
system and configuration.
Compaq DEC/EDI Translation Services
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 7 of 17 ...
```

```
DEC/EDI Mailbus 400 Gateway (Compaq Tru64 UNIX) version 4.0
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Mailbus 400 Gateway (Compaq Tru64 UNIX) subset will
take approximately 2 minutes to install, depending on your
system and configuration.
Loading subset 8 of 17 ...
DEC/EDI OFTP Gateway (Compaq Tru64 UNIX) version 4.0
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI OFTP Gateway (Compaq Tru64 UNIX) subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Loading subset 9 of 17 ...
DEC/EDI Internet SMTP/MIME Gateway (Compaq Tru64 UNIX) version
4.0
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Internet SMTP/MIME Gateway (Compaq Tru64 UNIX) subset
will take approximately 2 minutes to install, depending on
your system and configuration.
Compaq DEC/EDI Internet SMTP/MIME Gateway
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 10 of 17 ...
DEC/EDI 3780 Communications Gateway (Compaq Tru64 UNIX)
version 4.0
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI 3780 Communications Gateway (Compaq Tru64 UNIX) subset
will take approximately 2 minutes to install, depending on
your system and configuration.
Compaq DEC/EDI 3780 Gateway
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 11 of 17 ...
DEC/EDI Message Updates Base version
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Message Updates Base subset will take approximately
2 minutes to install, depending on your system and
configuration.
Compaq DEC/EDI Message Updates Base
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 12 of 17 ...
DEC/EDI Message Updates Man Pages version
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
```

```
DEC/EDI Message Updates Man Pages subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Message Updates Man Pages
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 13 of 17 ...
DEC/EDI Message Updates EDIFACT IMPDEF files version
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Message Updates EDIFACT IMPDEF files subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Message Updates EDIFACT IMPDEF files
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 14 of 17 ...
DEC/EDI Message Updates ODETTE IMPDEF files version
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Message Updates ODETTE IMPDEF files subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Message Updates ODETTE IMPDEF files
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 15 of 17 ...
DEC/EDI Message Updates X12 IMPDEF files version
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Message Updates X12 IMPDEF files subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Message Updates X12 IMPDEF files
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Working....Tue Nov  6 19:13:37 IST 2001 Verifying
Loading subset 16 of 17 ...
DEC/EDI Message Updates TDCC IMPDEF files version
Copyright Compaq Computer Corporation 1990,2001.
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DEC/EDI Message Updates TDCC IMPDEF files subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Message Updates TDCC IMPDEF files
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 17 of 17 ...
DEC/EDI Message Updates TRADACOMS IMPDEF files version
Copyright Compaq Computer Corporation 1990,2001.
```

```
All rights reserved.
DEC/EDI Message Updates TRADACOMS IMPDEF files subset will
take approximately 2 minutes to install, depending on your
system and configuration.
Compaq DEC/EDI Message Updates TRADACOMS IMPDEF files
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
15 of 17 subsets installed successfully.
Configuring "Compaq DEC/EDI Base" (DEDIBASE400)
Configuring "Compaq DEC/EDI Server" (DEDISERV400)
Configuring "Compaq DEC/EDI Server Man Pages" (DEDISERVMAN400)
Configuring "Compaq DEC/EDI Client" (DEDICLT400)
Configuring "Compaq DEC/EDI Client Man Pages" (DEDICLTMAN400)
Configuring "Compaq DEC/EDI Translation Services"
(DEDITRAN400)
Configuring "Compaq DEC/EDI Internet SMTP/MIME Gateway"
(DEDISMTP400)
Configuring "Compaq DEC/EDI 3780 Gateway" (DEDI3780400)
Configuring "Compaq DEC/EDI Message Updates Base"
(DEDIAMSGBASE400)
Configuring "Compaq DEC/EDI Message Updates Man Pages"
(DEDIAMSGMAN400)
Configuring "Compaq DEC/EDI Message Updates EDIFACT IMPDEF
files" (DEDIAMSGEDIF400)
Configuring "Compaq DEC/EDI Message Updates ODETTE IMPDEF
files" (DEDIAMSGODET400)
Configuring "Compaq DEC/EDI Message Updates X12 IMPDEF files"
(DEDIAMSGX12400)
Configuring "Compaq DEC/EDI Message Updates TDCC IMPDEF files"
(DEDIAMSGTDCC400)
Configuring "Compaq DEC/EDI Message Updates TRADACOMS IMPDEF
files" (DEDIAMSGTRAD400)
```

Deinstalltion Log

```
The following subsets need "Compaq DEC/EDI Message Updates
Base" (DEDIAMSGBASE400) to operate correctly:
Compaq DEC/EDI Message Updates EDIFACT IMPDEF files
(DEDIAMSGEDIF400)
Compaq DEC/EDI Message Updates Man Pages (DEDIAMSGMAN400)
Compaq DEC/EDI Message Updates ODETTE IMPDEF files
(DEDIAMSGODET400)
Compaq DEC/EDI Message Updates TDCC IMPDEF files
(DEDIAMSGTDCC400)
Compaq DEC/EDI Message Updates TRADACOMS IMPDEF files
(DEDIAMSGTRAD400)
Compaq DEC/EDI Message Updates X12 IMPDEF files
(DEDIAMSGX12400)
Are you sure you wish to delete "Compaq DEC/EDI Message Updates
Base" (DEDIAMSGBASE400)? (y/n): y
```

```
Deleting "Compaq DEC/EDI Message Updates Base"
(DEDIAMSGBASE400).
Deleting "Compaq DEC/EDI 3780 Gateway" (DEDI3780400).
Deleting "Compaq DEC/EDI Message Updates TRADACOMS IMPDEF
files" (DEDIAMSGTRAD400).
Deleting "Compaq DEC/EDI Message Updates TDCC IMPDEF files"
(DEDIAMSGTDCC400).
Deleting "Compaq DEC/EDI Message Updates EDIFACT IMPDEF files"
(DEDIAMSGEDIF400).
Deleting "Compaq DEC/EDI Message Updates Man Pages"
(DEDIAMSGMAN400).
The following subsets need "Compaq DEC/EDI Base" (DEDIBASE400)
to operate correctly:
Compaq DEC/EDI Server (DEDISERV400)
Are you sure you wish to delete "Compaq DEC/EDI Base"
(DEDIBASE400)? (y/n): y
Deleting "Compaq DEC/EDI Message Updates X12 IMPDEF files"
(DEDIAMSGX12400).
Deleting "Compaq DEC/EDI Message Updates ODETTE IMPDEF files"
(DEDIAMSGODET400).
Deleting "Compaq DEC/EDI Client Man Pages" (DEDICLTMAN400).
Deleting "Compaq DEC/EDI Client" (DEDICLT400).
Deleting "Compaq DEC/EDI Base" (DEDIBASE400).
Deleting "Compaq DEC/EDI Internet SMTP/MIME Gateway"
(DEDISMTP400).
Deleting "Compaq DEC/EDI OFTP Gateway" (DEDIOFTP400).
Deleting "Compaq DEC/EDI Translation Services" (DEDITRAN400).
Deleting "Compaq DEC/EDI Server Man Pages" (DEDISERVMAN400).
Deleting "Compaq DEC/EDI Server" (DEDISERV400).
```

Appendix E **DIGITAL UNIX Client only**

```
# setld -l /usr/users/sriram/kit/dedi400/kit

The subsets listed below are optional:

There may be more optional subsets than can be presented on a
single screen. If this is the case, you can choose subsets
screen by screen or all at once on the last screen. All of the
choices you make will be collected for your confirmation
before any subsets are installed.
1) Compaq DEC/EDI 3780 Gateway
2) Compaq DEC/EDI Client Man Pages
3) Compaq DEC/EDI Client
4) Compaq DEC/EDI Internet SMTP/MIME Gateway
5) Compaq DEC/EDI Mailbus 400 Gateway
6) Compaq DEC/EDI OFTP Gateway
--- MORE TO FOLLOW ---
Enter your choices or press RETURN to display the next screen.
Estimated free diskspace(MB) in root:28.7 usr:1018.1 var:438.3
Choices (for example, 1 2 4-6): 2-3
Or you may choose one of the following options:
7) ALL of the above
8) CANCEL selections and redisplay menus
9) EXIT without installing any subsets
Estimated free diskspace(MB) in root:28.7 usr:1017.6 var:438.3
Add to your choices, choose an overriding action or press
RETURN to confirm previous selections.
Choices (for example, 1 2 4-6):  2-3
You are installing the following optional subsets:
Compaq DEC/EDI Client Man Pages
Compaq DEC/EDI Client
Estimated free diskspace(MB) in root:28.7 usr:1017.6 var:438.3
Is this correct? (y/n): y
Checking file system space required to install selected
subsets:
File system space checked OK.
2 subsets will be installed.
```

```
Loading subset 1 of 2 ...
DEC/EDI Client (Compaq Tru64 UNIX) version 4.0
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Client (Compaq Tru64 UNIX) subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Client
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 2 of 2 ...
DEC/EDI Client Man Pages (Compaq Tru64 UNIX) version 4.0
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Client Man Pages (Compaq Tru64 UNIX) subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Client Man Pages
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
2 of 2 subsets installed successfully.
Configuring "Compaq DEC/EDI Client" (DEDICLT400)
Configuring "Compaq DEC/EDI Client Man Pages" (DEDICLTMAN400)
```

Appendix F **DIGITAL UNIX Message Updates**

```
# setld -l /usr/users/sriram/kit/dedi400/kit

The subsets listed below are optional:
There may be more optional subsets than can be presented on a
single screen. If this is the case, you can choose subsets
screen by screen or all at once on the last screen. All of the
choices you make will be collected for your confirmation
before any subsets are installed.
1) Compaq DEC/EDI 3780 Gateway
2) Compaq DEC/EDI Internet SMTP/MIME Gateway
3) Compaq DEC/EDI Mailbus 400 Gateway
4) Compaq DEC/EDI Message Updates Base
5) Compaq DEC/EDI Message Updates Man Pages
6) Compaq DEC/EDI Message Updates ODETTE IMPDEF files
7) Compaq DEC/EDI Message Updates TDCC IMPDEF files
8) Compaq DEC/EDI Message Updates TRADACOMS IMPDEF files
9) Compaq DEC/EDI Message Updates X12 IMPDEF files
10) Compaq DEC/EDI OFTP Gateway
--- MORE TO FOLLOW ---
Enter your choices or press RETURN to display the next screen.
Estimated free diskspace(MB) in root:28.7 usr:1071.0 var:438.4
Choices (for example, 1 2 4-6):4-9
Or you may choose one of the following options:
11) ALL of the above
12) CANCEL selections and redisplay menus
13) EXIT without installing any subsets
Estimated free diskspace(MB) in root:28.7 usr:1018.1 var:438.4
Add to your choices, choose an overriding action or press
RETURN to confirm previous selections.
Choices (for example, 1 2 4-6):  4-9
You are installing the following optional subsets:
Compaq DEC/EDI Message Updates Base
Compaq DEC/EDI Message Updates Man Pages
Compaq DEC/EDI Message Updates ODETTE IMPDEF files
Compaq DEC/EDI Message Updates TDCC IMPDEF files
```

```
Compaq DEC/EDI Message Updates TRADACOMS IMPDEF files
Compaq DEC/EDI Message Updates X12 IMPDEF files
Estimated free diskspace(MB) in root:28.7 usr:1018.1 var:438.4
Is this correct? (y/n): y
Checking file system space required to install selected
subsets:
File system space checked OK.
6 subsets will be installed.
Loading subset 1 of 6 ...
DEC/EDI Message Updates Base version
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Message Updates Base subset will take approximately
2 minutes to install, depending on your system and
configuration.
Compaq DEC/EDI Message Updates Base
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 2 of 6 ...
DEC/EDI Message Updates Man Pages version
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Message Updates Man Pages subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Message Updates Man Pages
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 3 of 6 ...
DEC/EDI Message Updates ODETTE IMPDEF files version
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Message Updates ODETTE IMPDEF files subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Message Updates ODETTE IMPDEF files
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 4 of 6 ...
DEC/EDI Message Updates X12 IMPDEF files version
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Message Updates X12 IMPDEF files subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Message Updates X12 IMPDEF files
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Working....Sat Nov 17 14:08:26 IST 2001
Verifying
```

```
Loading subset 5 of 6 ...
DEC/EDI Message Updates TDCC IMPDEF files version
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Message Updates TDCC IMPDEF files subset will take
approximately 2 minutes to install, depending on your system
and configuration.
Compaq DEC/EDI Message Updates TDCC IMPDEF files
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
Loading subset 6 of 6 ...
DEC/EDI Message Updates TRADACOMS IMPDEF files version
Copyright Compaq Computer Corporation 1990,2001.
All rights reserved.
DEC/EDI Message Updates TRADACOMS IMPDEF files subset will
take approximately 2 minutes to install, depending on your
system and configuration.
Compaq DEC/EDI Message Updates TRADACOMS IMPDEF files
Copying from /usr/users/sriram/kit/dedi400/kit (disk)
Verifying
6 of 6 subsets installed successfully.
Configuring "Compaq DEC/EDI Message Updates Base"
(DEDIAMSGBASE400)
Configuring "Compaq DEC/EDI Message Updates Man Pages"
(DEDIAMSGMAN400)
Configuring "Compaq DEC/EDI Message Updates ODETTE IMPDEF
files" (DEDIAMSGODET400)
Configuring "Compaq DEC/EDI Message Updates X12 IMPDEF files"
(DEDIAMSGX12400)
Configuring "Compaq DEC/EDI Message Updates TDCC IMPDEF files"
(DEDIAMSGTDCC400)
Configuring "Compaq DEC/EDI Message Updates TRADACOMS IMPDEF
files" (DEDIAMSGTRAD400)
```

Appendix G **Sun Solaris Client**

Kit Contents

```
#tar -xvf decedi0400_sun_client.tar
x /etc/setld, 50428 bytes, 99 tape blocks
x output, 0 bytes, 0 tape blocks
x output/space, 0 bytes, 0 tape blocks
x output/instctrl, 0 bytes, 0 tape blocks
x output/instctrl/DEDICLT400.inv, 2691 bytes, 6 tape blocks
x output/instctrl/DEDICLT400.ctrl, 150 bytes, 1 tape blocks
x output/instctrl/DED400.comp, 0 bytes, 0 tape blocks
x output/instctrl/DEDICLT400.scp, 13046 bytes, 26 tape blocks
x output/instctrl/DEDIMAN400.inv, 751 bytes, 2 tape blocks
x output/instctrl/DEDIMAN400.ctrl, 153 bytes, 1 tape blocks
x output/instctrl/DEDIMAN400.scp, 12864 bytes, 26 tape blocks
x output/instctrl/DEDI.image, 48 bytes, 1 tape blocks
x output/DEDICLT400, 174080 bytes, 340 tape blocks
x output/DEDIMAN400, 40960 bytes, 80 tape blocks
x output/INSTCTRL, 40960 bytes, 80 tape blocks
x output/DEDI.image, 48 bytes, 1 tape blocks
```

Installation Log

```
#/etc/setld -l output
*** Enter Subset Selections ***
The subsets listed below are optional:
 1) Compaq DEC/EDI V4.0 SUN Solaris Client
 2) Compaq DEC/EDI V4.0 SUN Solaris Man Pages
 3) All of the Above
 4) None of the Above
 5) Exit without installing subsets
Enter your choice(s): 3
You are installing the following subsets:
```

```
Compaq DEC/EDI V4.0 SUN Solaris Client     Compaq DEC/EDI V4.0
SUN Solaris Man Pages
Is this correct? (y/n): y
*****************************************************************
                      DEC/EDI Client (Sun Solaris)
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reserved

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Government is subject to restrictions as set forth in
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copying of this software and media is authorized only pursuant
to a valid written license from Compaq or an authorized
sublicensor.

*****************************************************************

*****************************************************************
This DEC/EDI Client (Sun Solaris) subset will take
approximately 2 minutes to install, depending on your system
and configuration.
*****************************************************************
Compaq DEC/EDI V4.0 SUN Solaris Client (DEDICLT400)
   Copying from output (disk)
   Verifying
*****************************************************************
             DEC/EDI Client Man Pages (Sun Solaris)
Copyright Compaq Computer Corporation 1990,2001. All rights
reserved

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copying of this software and media is authorized only pursuant
to a valid written license from Compaq or an authorized
sublicensor.
*****************************************************************

*****************************************************************
This DEC/EDI Client Man Pages (Sun Solaris) subset will take
approximately 2 minutes to install, depending on your system
and configuration.
```

```
*************************************************************
Compaq DEC/EDI V4.0 SUN Solaris Man Pages (DEDIMAN400)
   Copying from output (disk)
   Verifying
:- creating softlinks  ...
done.
*************************************************************
     DEC/EDI Client (Sun Solaris) successfully installed
*************************************************************
:- creating softlinks  ...
done.
*************************************************************
DEC/EDI Client Man Pages (Sun Solaris) successfully installed
*************************************************************
```

Configuration Log

```
#/usr/bin/decedi_config.sh
Configuring the TCP/IP Client-Server link
Assigned port 5150 /etc/services for Compaq DEC/EDI Post-Fetch
service.
Assigned port 5151 /etc/services for Compaq DEC/EDI Track
service.
These port numbers must match those used on the remote Compaq
DEC/EDI Server. If these numbers are different on the Compaq
DEC/EDI Server then please modify /etc/services and update the
port nunbers associated with decedi_csf and decedi_cst.
*************************************************************
* To supply the server node information, create a file:      *
*    /var/adm/decedi/decedi_servers.dat                      *
* Use the template, /var/adm/decedi/decedi_servers.template. *
*                                                            *
* TCP/IP Configuration Complete                              *
*************************************************************
Press <Return> to continue.
```

Deinstallation Log

```
 #/etc/setld -d DEDICLT400 DEDIMAN400
DEC/EDI Client (Sun Solaris):- Removing softlinks  ...
done.
Deleting Compaq DEC/EDI V4.0 SUN Solaris Client (DEDICLT400).
*************************************************************
     DEC/EDI Client (Sun Solaris) has been deleted
*************************************************************
DEC/EDI Client Man Pages (Sun Solaris):- Removing softlinks
... done.
```

```
Deleting Compaq DEC/EDI V4.0 SUN Solaris Man Pages
(DEDIMAN400).
************************************************************
     DEC/EDI Client Man Pages (Sun Solaris) has been deleted
************************************************************
```

Appendix H **HP-UX Client**

Kit Contents

```
#tar -xvf decedi0400_hp_client.tar
x /etc/setld, 50428 bytes, 99 tape blocks
x output/space, 0 bytes, 0 tape blocks
x output/instctrl/DEDICLT400.inv, 2665 bytes, 6 tape blocks
x output/instctrl/DEDICLT400.ctrl, 144 bytes, 1 tape blocks
x output/instctrl/DED400.comp, 0 bytes, 0 tape blocks
x output/instctrl/DEDICLT400.scp, 13050 bytes, 26 tape blocks
x output/instctrl/DEDIMAN400.inv, 744 bytes, 2 tape blocks
x output/instctrl/DEDIMAN400.ctrl, 147 bytes, 1 tape blocks
x output/instctrl/DEDIMAN400.scp, 12876 bytes, 26 tape blocks
x output/instctrl/DEDI.image, 48 bytes, 1 tape blocks
x output/DEDICLT400, 235520 bytes, 460 tape blocks
x output/DEDIMAN400, 40960 bytes, 80 tape blocks
x output/INSTCTRL, 40960 bytes, 80 tape blocks
x output/DEDI.image, 48 bytes, 1 tape blocks
```

Installtion Log

```
#/etc/setld -l output
*** Enter Subset Selections ***
The subsets listed below are optional:
 1) Compaq DEC/EDI V4.0 HP-UX Client
 2) Compaq DEC/EDI V4.0 HP-UX Man Page
 3) All of the Above
 4) None of the Above
 5) Exit without installing subsets
Enter your choice(s):3
You are installing the following subsets:
   Compaq DEC/EDI V4.0 HP-UX Client       Compaq DEC/EDI V4.0
HP-UX Man Pages
Is this correct? (y/n):y
```

```
*************************************************************
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to a valid written license from Compaq or an authorized
sublicensor.
*************************************************************

*************************************************************
This Compaq DEC/EDI Client (HP UNIX) subset will take
approximately 2 minutes to install, depending on your system
and configuration.
*************************************************************
Compaq DEC/EDI V4.0 HP-UX Client (DEDICLT400)
   Copying from output (disk)
   Verifying
*************************************************************
           Compaq DEC/EDI Client Man Pages (HP UNIX)
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technology of Compaq Computer Corporation. Possession, use, or
copying of this software and media is authorized only pursuant
to a valid written license from Compaq or an authorized
sublicensor.
*************************************************************

*************************************************************
This Compaq DEC/EDI Client Man Pages (HP UNIX) subset will take
approximately 2 minutes to install, depending on your system
and configuration.
*************************************************************
Compaq DEC/EDI V4.0 HP-UX Man Pages (DEDIMAN400)
   Copying from output (disk)
   Verifying
:- creating softlinks  ... done.
*************************************************************
   Compaq DEC/EDI Client (HP UNIX) successfully installed
*************************************************************
```

```
:- creating softlinks  ... done.
*****************************************************************
Compaq DEC/EDI Client Man Pages (HP UNIX) successfully
installed
*****************************************************************
```

Configuration Log

```
#/usr/bin/decedi_config.sh
Configuring the TCP/IP Client-Server link
Assigned port 5150 /etc/services for Compaq DEC/EDI Post-Fetch
service.
Assigned port 5151 /etc/services for Compaq DEC/EDI Track
service.
These port numbers must match those used on the remote Compaq
DEC/EDI Server. If these numbers are different on the Compaq
DEC/EDI Server then please modify /etc/services and update the
port nunbers associated with decedi_csf and decedi_cst.
*****************************************************************
* To supply the server node information, create a file:       *
*    /var/adm/decedi/decedi_servers.dat                       *
* Use the template, /var/adm/decedi/decedi_servers.template. *
*                                                             *
* TCP/IP Configuration Complete                               *
*****************************************************************
Press <Return> to continue.
```

Deinstallation Log

```
#/etc/setld -d DEDICLT400 DEDIMAN400
Compaq DEC/EDI Client (HP UNIX):- Removing softlinks  ...
done.
Deleting Compaq DEC/EDI V4.0 HP-UX Client (DEDICLT400).
*****************************************************************
     Compaq DEC/EDI Client (HP UNIX) has been deleted
*****************************************************************
Compaq DEC/EDI Client Man Pages (HP UNIX):- Removing softlinks
... done.
Deleting Compaq DEC/EDI V4.0 HP-UX Man Pages (DEDIMAN400).
*****************************************************************
  Compaq DEC/EDI Client Man Pages (HP UNIX) has been deleted
*****************************************************************
```

Appendix I **RedHat Linux Client**

Kit Contents

```
#tar -xvf decedi0400_linux_client.tar
DEDI-4-0.i386.rpm
```

Installation Log

```
#rpm -i DEDI-4-0.i386.rpm
*************************************************************
                    Compaq DEC/EDI Client
Copyright Compaq Computer Corporation 1990, 2001. All rights
reserved
Restricted Rights: Use, duplication, or disclosure by the U.S
Government is subject to restrictions as set forth in
subparagraph (C) (1) (ii) of DFARS 252.227-7013, or in FAR
52.227-19, or in FAR 52.227-14 Alt, III, as applicable.
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technology of Compaq Computer Corporation. Possession, use, or
copying of this software and media is authorized only pursuant
to a valid written license from Compaq or an authorized
sublicensor.
*******************************************************
*                                                     *
* Installing Compaq DEC/EDI Client and Manpages ...   *
*                                                     *
*******************************************************
*******************************************************
*                                                     *
* This Compaq DEC/EDI Client and Manpages installation*
* will take approximately 1 minute to install,        *
* depending on your system and configuration          *
*                                                     *
*******************************************************
```

```
************************************************
* Compaq DEC/EDI Application Client and Man pages *
*     installed successfully                     *
*                                                *
************************************************
```

Configuration Log

```
#/usr/bin/decedi_config.sh
Configuring the TCP/IP Client-Server link
Assigned port 5150 /etc/services for Compaq DEC/EDI Post-Fetch
service.
Assigned port 5151 /etc/services for Compaq DEC/EDI Track
service.
These port numbers must match those used on the remote Compaq
DEC/EDI Server. If these numbers are different on the Compaq
DEC/EDI Server then please modify /etc/services and update the
port nunbers associated with decedi_csf and decedi_cst.
************************************************************
* To supply the server node information, create a file:      *
*    /var/adm/decedi/decedi_servers.dat                      *
* Use the template, /var/adm/decedi/decedi_servers.template. *
*                                                            *
* TCP/IP Configuration Complete                              *
************************************************************
Press <Return> to continue.
```

Deinstallation Log

```
#rpm -e DEDI-4-0
************************************************
*                                              *
* Uninstalling Compaq DEC/EDI Application Client *
*              and Man pages.....              *
************************************************
*****************************************
*                                       *
* Compaq DEC/EDI Application Client and Man *
*          pages uninstalled successfully   *
*                                       *
*****************************************
```

Appendix J OpenVMS Installation - Directory and File Listing

The tables in this section list the contents of Digital DEC/EDI directories when the installation process is complete.

1. DECEDI$TOP:[000000]

```
IDENTIFIER=[DECEDI],OPTIONS=DEFAULT,ACCESS=READ+WRITE+EXECUTE+
DELETE+CONTROL
IDENTIFIER=[DECEDI],ACCESS=READ+WRITE+EXECUTE+DELETE+CONTROL
IDENTIFIER=DECEDI$SUPERVISOR,OPTIONS=DEFAULT,ACCESS=READ+WRITE
+EXECUTE
IDENTIFIER=DECEDI$SUPERVISOR,ACCESS=READ+WRITE+EXECUTE
IDENTIFIER=DECEDI$ADMINISTRATOR,OPTIONS=DEFAULT,ACCESS=READ+WR
ITE+EXECUTE+DELETE
IDENTIFIER=DECEDI$ADMINISTRATOR,ACCESS=READ+WRITE+EXECUTE+DELE
TE
IDENTIFIER=[*,*],OPTIONS=DEFAULT,ACCESS=NONE
IDENTIFIER=[*,*],ACCESS=NONE
3780PLUS.DIR;1            1  [DECEDI]  (RWED,RWED,,)
ARCHIVE_DB.DIR;1          2  [DECEDI]  (RWED,RWED,,)
ARCHREPORTS.DIR;1         2  [DECEDI]  (RWED,RWED,,)
AUDIT_DB.DIR;1            4  [DECEDI]  (RWED,RWED,,)
BACKUP.DIR;1              1  [DECEDI]  (RWED,RWED,,)
CACHE.DIR;1               1  [DECEDI]  (RWED,RWED,,)
CVP.DIR;1                 1  [DECEDI]  (RWED,RWED,,)
DATA.DIR;1               27  [DECEDI]  (RWED,RWED,,)
DS_SCRATCH.DIR;1          1  [DECEDI]  (RWED,RWED,,)
ERROR.DIR;1               1  [DECEDI]  (RWED,RWED,,)
IMPDEF.DIR;1              1  [DECEDI]  (RWED,RWED,R,R)
MAP_TABLES.DIR;1          1  [DECEDI]  (RWED,RWED,,)
MESSAGE_UPDATES.DIR;1     1  [DECEDI]  (RWED,RWED,,)
STORE_1.DIR;1             6  [DECEDI]  (RWED,RWED,,)
STORE_10.DIR;1            5  [DECEDI]  (RWED,RWED,,)
STORE_11.DIR;1            8  [DECEDI]  (RWED,RWED,,)
STORE_12.DIR;1            5  [DECEDI]  (RWED,RWED,,)
STORE_13.DIR;1            9  [DECEDI]  (RWED,RWED,,)
STORE_14.DIR;1            5  [DECEDI]  (RWED,RWED,,)
```

```
STORE_15.DIR;1          8  [DECEDI]  (RWED,RWED,,)
STORE_16.DIR;1          5  [DECEDI]  (RWED,RWED,,)
STORE_17.DIR;1          8  [DECEDI]  (RWED,RWED,,)
STORE_18.DIR;1          4  [DECEDI]  (RWED,RWED,,)
STORE_19.DIR;1          8  [DECEDI]  (RWED,RWED,,)
STORE_2.DIR;1           9  [DECEDI]  (RWED,RWED,,)
STORE_20.DIR;1          5  [DECEDI]  (RWED,RWED,,)
STORE_3.DIR;1           9  [DECEDI]  (RWED,RWED,,)
STORE_4.DIR;1           8  [DECEDI]  (RWED,RWED,,)
STORE_5.DIR;1           8  [DECEDI]  (RWED,RWED,,)
STORE_6.DIR;1           9  [DECEDI]  (RWED,RWED,,)
STORE_7.DIR;1           8  [DECEDI]  (RWED,RWED,,)
STORE_8.DIR;1           5  [DECEDI]  (RWED,RWED,,)
STORE_9.DIR;1           7  [DECEDI]  (RWED,RWED,,)
TEMP.DIR;1              1  [DECEDI]  (RWED,RWED,,)
TOOLS.DIR;1             6  [DECEDI]  (RWED,RWED,,)
VANREPORTS.DIR;1        1  [DECEDI]  (RWED,RWED,,)
```

2. DECEDI$TOP:[ARCHIVE_DB]

```
DECEDI$ARCHIVE_DB.RDA;2      1724  [DECEDI]  (RWED,RW,,)
DECEDI$ARCHIVE_DB.RDB;2       124  [DECEDI]  (RWED,RW,,)
DECEDI$ARCHIVE_DB.SNP;2       202  [DECEDI]  (RWED,RW,,)
DECEDI$ARCHIVE_DB_CHF.RDA;2  2414  [DECEDI]  (RWED,RW,,)
DECEDI$ARCHIVE_DB_CHF.SNP;2   202  [DECEDI]  (RWED,RW,,)
DECEDI$ARCHIVE_DB_CLF.RDA;2  3224  [DECEDI]  (RWED,RW,,)
DECEDI$ARCHIVE_DB_CLF.SNP;2   808  [DECEDI]  (RWED,RW,,)
DECEDI$ARCHIVE_DB_MISC_       404  [DECEDI]  (RWED,RW,,)
COMS_1.RDA;2
DECEDI$ARCHIVE_DB_MISC_       202  [DECEDI]  (RWED,RW,,)
COMS_1.SNP;2
DECEDI$ARCHIVE_DB_MISC_       404  [DECEDI]  (RWED,RW,,)
TRANS_1.RDA;2
DECEDI$ARCHIVE_DB_MISC_       202  [DECEDI]  (RWED,RW,,)
TRANS_1.SNP;2
DECEDI$ARCHIVE_DB_           2012  [DECEDI]  (RWED,RW,,)
THF.RDA;2
DECEDI$ARCHIVE_DB_            202  [DECEDI]  (RWED,RW,,)
THF.SNP;2
DECEDI$ARCHIVE_DB_           2416  [DECEDI]  (RWED,RW,,)
TLF.RDA;2
DECEDI$ARCHIVE_DB_            404  [DECEDI]  (RWED,RW,,)
TLF.SNP;2
```

3. DECEDI$TOP:[AUDIT_DB]

```
IDENTIFIER=[DECEDI], ACCESS=READ+WRITE+EXECUTE+DELETE+CONTROL
IDENTIFIER=DECEDI$SUPERVISOR,ACCESS=READ+WRITE+EXECUTE
```

```
IDENTIFIER=DECEDI$ADMINISTRATOR,ACCESS=READ+WRITE+EXECUTE+DELE
TE
IDENTIFIER=[*,*],ACCESS=NONE
DECEDI$AUDIT_DB.RDB;2          336  [DECEDI]  (RWED,RW,,)
DECEDI$AUDIT_DB_CHF.RDA;2     2414  [DECEDI]  (RWED,RW,,)
DECEDI$AUDIT_DB_CHF.SNP;2      202  [DECEDI]  (RWED,RW,,)
DECEDI$AUDIT_DB_CLF.RDA;2     3224  [DECEDI]  (RWED,RW,,)
DECEDI$AUDIT_DB_CLF.SNP;2      808  [DECEDI]  (RWED,RW,,)
DECEDI$AUDIT_DB_MISC_          404  [DECEDI]  (RWED,RW,,)
AVAIL.RDA;2
DECEDI$AUDIT_DB_MISC_          202  [DECEDI]  (RWED,RW,,)
AVAIL.SNP;2
DECEDI$AUDIT_DB_MISC_          404  [DECEDI]  (RWED,RW,,)
COMS_1.RDA;2
DECEDI$AUDIT_DB_MISC_          202  [DECEDI]  (RWED,RW,,)
COMS_1.SNP;2
DECEDI$AUDIT_DB_MISC_            404  [DECEDI]  (RWED,RW,,)
COMS_2.RDA;2
DECEDI$AUDIT_DB_MISC_            202  [DECEDI]  (RWED,RW,,)
COMS_2.SNP;2
DECEDI$AUDIT_DB_MISC_            404  [DECEDI]  (RWED,RW,,)
TRANS_1.RDA;2
DECEDI$AUDIT_DB_MISC_            202  [DECEDI]  (RWED,RW,,)
TRANS_1.SNP;2
DECEDI$AUDIT_DB_MISC_            404  [DECEDI]  (RWED,RW,,)
TRANS_2.RDA;2
DECEDI$AUDIT_DB_MISC_            202  [DECEDI]  (RWED,RW,,)
TRANS_2.SNP;2
DECEDI$AUDIT_DB_SYS.RDA;2       3206  [DECEDI]  (RWED,RW,,)
DECEDI$AUDIT_DB_SYS.SNP;2        202  [DECEDI]  (RWED,RW,,)
DECEDI$AUDIT_DB_THF.RDA;2       2012  [DECEDI]  (RWED,RW,,)
DECEDI$AUDIT_DB_THF.SNP;2        202  [DECEDI]  (RWED,RW,,)
DECEDI$AUDIT_DB_TLF.RDA;2       2416  [DECEDI]  (RWED,RW,,)
DECEDI$AUDIT_DB_TLF.SNP;2        404  [DECEDI]  (RWED,RW,,)
DECEDI.ERR;1                       1  [DECEDI]  (RWED,RE,,)
FBR$AUDIT_AREA.RDA;2            8444  [DECEDI]  (RWED,RW,,)
FBR$AUDIT_AREA.SNP;2             404  [DECEDI]  (RWED,RW,,)
FBR$RUN_ID.DAT;1                   1  [DECEDI]
(RWED,RWED,RWED,RE)
```

4. DECEDI$TOP:[CVP]

```
IDENTIFIER=[DECEDI],OPTIONS=DEFAULT,ACCESS=READ+WRITE+EXECUTE+
DELETE+CONTROL
IDENTIFIER=[DECEDI],ACCESS=READ+WRITE+EXECUTE+DELETE+CONTROL
IDENTIFIER=DECEDI$SUPERVISOR,OPTIONS=DEFAULT,ACCESS=READ+WRITE
+EXECUTE
IDENTIFIER=DECEDI$SUPERVISOR,ACCESS=READ+WRITE+EXECUTE
```

```
IDENTIFIER=DECEDI$ADMINISTRATOR,OPTIONS=DEFAULT,ACCESS=READ+WR
ITE+EXE
CUTE+DELETE
IDENTIFIER=DECEDI$ADMINISTRATOR,ACCESS=READ+WRITE+EXECUTE+DELE
TE
IDENTIFIER=[*,*],OPTIONS=DEFAULT,ACCESS=NONE
IDENTIFIER=[*,*],ACCESS=NONE
DECEDI$CVP.COM;4              55  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$CVP_COMPARE.COM;4      22  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$CVP_FETCH.EXE;4      1860  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$CVP_LOOPBACK.COM;4     11  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$CVP_RUN_FETCH.COM;4     5  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$CVP_SEND.DAT;4          1  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$CVP_SEND.EXE;4       1930  [DECEDI]  (RWED,RWED,RE,RE)
IMPEXP.DIR;1                  50  [DECEDI]  (RWED,RWED,,)
WORK.DIR;1                     1  [DECEDI]  (RWED,RWED,,)
```

5. DECEDI$TOP:[DATA]

```
IDENTIFIER=[DECEDI],ACCESS=READ+WRITE+EXECUTE+DELETE+CONTROL
IDENTIFIER=DECEDI$SUPERVISOR,ACCESS=READ+WRITE+EXECUTE
IDENTIFIER=DECEDI$ADMINISTRATOR,ACCESS=READ+WRITE+EXECUTE+DELE
TE
IDENTIFIER=[*,*],ACCESS=NONE

A0901.DAT;1                30  [DECEDI]  (RWED,RWED,RE,)
A0CTRL.DAT;1               15  [DECEDI]  (RWED,RWED,RE,)
B0901.DAT;1                42  [DECEDI]  (RWED,RWED,RE,)
B0CTRL.DAT;1               42  [DECEDI]  (RWED,RWED,RE,)
D0901.DAT;3                15  [DECEDI]  (RWED,RE,,)
DECEDI$3780_                1  [DECEDI]  (RWED,RWED,RE,)
JMEKON.COM;77
DECEDI$ACCESS.DAT;1        15  [DECEDI]  (RWED,RWED,RE,)
DECEDI$ACCESS.FDL;4         2  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$ACCESS_GROUP_        2  [DECEDI]  (RWED,RWED,RE,RE)
DESC.FDL;4
DECEDI$ACCESS_GROUP_        3  [DECEDI]  (RWED,RWED,RE,RE)
MEMBERS.FDL;4
DECEDI$AGREEMENTS_        132  [DECEDI]  (RWED,RWED,RE,)
DETAIL_TABLE.DAT;1
DECEDI$AGREEMENTS_          3  [DECEDI]  (RWED,RWED,RE,RE)
DETAIL_TABLE.FDL;4
DECEDI$AGREEMENTS_        384  [DECEDI]  (RWED,RWED,RE,)
TABLE.DAT;1
DECEDI$AGREEMENTS_          4  [DECEDI]  (RWED,RWED,RE,RE)
TABLE.FDL;4
DECEDI$ARCH_SRV_PAR.DAT;1   9  [DECEDI]  (RWED,RWED,RE,)
DECEDI$AS_2_JMEKON.OUT;1    2  [DECEDI]  (RWED,RE,,)
DECEDI$AS_3_JMEKON.COM;2    1  [DECEDI]  (RWED,RWED,RE,)
```

```
DECEDI$CC_1_JMEKON.OUT;67  2  [DECEDI]  (RWED,RWED,RE,)
DECEDI$CLIENT_            51  [DECEDI]  (RWED,RWED,RE,)
APPLICATIONS.DAT;1
DECEDI$CLIENT_             3  [DECEDI]  (RWED,RWED,RE,RE)
APPLICATIONS.FDL;4
DECEDI$CNV_E_1_            2  [DECEDI]  (RWED,RWED,RE,)
JMEKON.OUT;71
DECEDI$CNV_E_2_            1  [DECEDI]  (RWED,RWED,RE,)
JMEKON.COM;1
DECEDI$CNV_E_3_            1  [DECEDI]  (RWED,RWED,RE,)
JMEKON.COM;1
DECEDI$CONFIG_             0  [DECEDI]  (RWED,RWED,RE,RE)
LOGICALS.DAT;1
DECEDI$CONTROL_NUM.DAT;1   9  [DECEDI]  (RWED,RWED,,)
DECEDI$CONTROL_NUM.FDL;4   2  [DECEDI]  (RWED,RWED,RE,RE)

DECEDI$CSF_1_              1  [DECEDI]  (RWED,RWED,RE,)
JMEKON.COM;193
DECEDI$CSF_1_              2  [DECEDI]  (RWED,RWED,RE,)
JMEKON.OUT;88
DECEDI$CSF_2_JMEKON.       1  [DECEDI]  (RWED,RWED,RE,)
COM;10
DECEDI$CSF_2_JMEKON.OUT;8  2  [DECEDI]  (RWED,RE,,)
DECEDI$CSF_3_JMEKON.COM;4  1  [DECEDI]  (RE,RE,,)
DECEDI$CSF_3_JMEKON.OUT;4  2  [DECEDI]  (RWED,RE,,)
DECEDI$CSG_1_JMEKON.       1  [DECEDI]  (RWED,RWED,RE,)
COM;163
DECEDI$CSG_1_JMEKON.OUT;71 2  [DECEDI]  (RWED,RWED,RE,)
DECEDI$CSG_2_JMEKON.COM;1  1  [DECEDI]  (RWED,RE,,)
DECEDI$CSG_2_JMEKON.OUT;1  2  [DECEDI]  (RWED,RE,,)
DECEDI$CST_1_JMEKON.       1  [DECEDI]  (RWED,RWED,RE,)
COM;159
DECEDI$CST_1_JMEKON.OUT;67 2  [DECEDI]  (RWED,RWED,RE,)
DECEDI$DATA_DESC.FDL;4     2  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$DATA_LABEL.FDL;4    3  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$DATA_LABEL_       327  [DECEDI]  (RWED,RWED,RE,RE)
EDIF_901.DAT;2
DECEDI$DATA_LABEL_       219  [DECEDI]  (RWED,RWED,RE,RE)
EDIF_CTRL.DAT;3
DECEDI$DATA_SET_ID.DAT;5   4  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$DOCUMENT_TABLE      2  [DECEDI]  (RWED,RWED,RE,RE)
.FDL;4
DECEDI$DOC_AREA_TABLE.     2  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$DOC_DESC_TABLE.    48  [DECEDI]  (RWED,RWED,RE,)
DAT;1
DECEDI$DOC_DESC_TABLE.     3  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$DS_JMEKON.COM;190   1  [DECEDI]  (RWED,RWED,RE,)
```

```
DECEDI$DS_JMEKON.OUT;72    2  [DECEDI]  (RWED,RWED,RE,)
DECEDI$ELEMENT_CODES.      2  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$ELEMENT_CODES_    324  [DECEDI]  (RWED,RWED,RE,)
EDIF_901.DAT;1
DECEDI$ELEMENT_CODES_    168  [DECEDI]  (RWED,RWED,RE,)
EDIF_CTRL.DAT;1
DECEDI$ELEMENT_TABLE.      2  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$FA_MAPPING_         3  [DECEDI]  (RWED,RWED,RE,RE)
TABLE.FDL;4
DECEDI$FORMAT_TABLE.      33  [DECEDI]  (RWED,RWED,RE,)
DAT;1
DECEDI$FORMAT_TABLE.       3  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4

DECEDI$IMPEXP_JMEKON.      1  [DECEDI]  (RWED,RWED,RE,)
COM;165
DECEDI$IMPEXP_JMEKON.      2  [DECEDI]  (RWED,RWED,RE,)
OUT;67
DECEDI$INTERCHANGE_        9  [DECEDI]  (RWED,RWED,RE,)
ARCHIVE.JNL;1
DECEDI$IVP_CHECKSUMS.      3  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$JOB_DESC.FDL;4      3  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$MAPPER_SHARED_      3  [DECEDI]  (RWED,RWED,RE,RE)
LOOKUPS.FDL;4
DECEDI$MGT_CONFIG.DAT;1  114  [DECEDI]  (RWED,RWED,RE,)
DECEDI$MGT_CONFIG.FDL;4    3  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$NODE_             324  [DECEDI]  (RWED,RWED,RE,)
CONFIGURATION.DAT;1
DECEDI$NODE_               2  [DECEDI]  (RWED,RWED,RE,RE)
CONFIGURATION.FDL;25
DECEDI$NODE_              24  [DECEDI]  (RWED,RWED,RE,)
CONFIGURATION_DETAILS.DAT;1
DECEDI$NODE_               2  [DECEDI]  (RWED,RWED,RE,RE)
CONFIGURATION_DETAILS.FDL;4
DECEDI$PARAMETERS_FILE.    2  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$PARTNER_TABLE.    144  [DECEDI]  (RWED,RWED,RE,)
DAT;1
DECEDI$PARTNER_TABLE.      3  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$PS_JMEKON.COM;166   1  [DECEDI]  (RWED,RWED,RE,)
DECEDI$PS_JMEKON.OUT;67    2  [DECEDI]  (RWED,RWED,RE,)
DECEDI$P_DOCUMENT_TABLE.   2  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$P_DOC_AREA_TABLE.   2  [DECEDI]  (RWED,RWED,RE,RE)
```

```
FDL;4
DECEDI$P_DOC_AREA_TABLE_   3  [DECEDI]  (RWED,RE,,)
EDIF_901.DAT;3
DECEDI$P_DOC_DESC_TABLE. 105  [DECEDI]  (RWED,RWED,RE,)
DAT;1
DECEDI$P_DOC_DESC_TABLE.   3  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$P_ELEMENT_CODES.    2  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$P_ELEMENT_TABLE.    2  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$P_SEGMENT_TABLE.    3  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$P_SEG_DESC.FDL;4    2  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$P_SUB_ELE_TABLE.    2  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$QUALIFIER_TABLE.      3  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$RESERVED_DATA_        3  [DECEDI]  (RWED,RWED,RE,RE)
LABELS.FDL;4
DECEDI$RESERVED_SEG_         2  [DECEDI]  (RWED,RWED,RE,RE)
TABLE.FDL;4
DECEDI$RES_DATA_LABELS_    234  [DECEDI]  (RWED,RWED,RE,RE)
EDIF.DAT;4
DECEDI$RES_DATA_LABELS_    234  [DECEDI]  (RWED,RWED,RE,RE)
ODET.DAT;4
DECEDI$RES_DATA_LABELS_    234  [DECEDI]  (RWED,RWED,RE,RE)
TDCC.DAT;4
DECEDI$RES_DATA_LABELS_    234  [DECEDI]  (RWED,RWED,RE,RE)
TRAD.DAT;4
DECEDI$RES_DATA_LABELS_     11  [DECEDI]  (RWED,RWED,RE,RE)
X12.DAT;4
DECEDI$RES_SEG_TABLE_       36  [DECEDI]  (RWED,RWED,RE,RE)
EDIF.DAT;4
DECEDI$RES_SEG_TABLE_       36  [DECEDI]  (RWED,RWED,RE,RE)
ODET.DAT;4
DECEDI$RES_SEG_TABLE_       36  [DECEDI]  (RWED,RWED,RE,RE)
TDCC.DAT;4
DECEDI$RES_SEG_TABLE_       36  [DECEDI]  (RWED,RWED,RE,RE)
TRAD.DAT;4
DECEDI$RES_SEG_TABLE_       36  [DECEDI]  (RWED,RWED,RE,RE)
X12.DAT;4
DECEDI$SCHEDULE.DAT;4      135  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$SCHEDULE.FDL;4        3  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$SCR_P_GEIS_01_        4  [DECEDI]  (RWED,RWED,RE,RE)
LOGIN.DAT;4
DECEDI$SCR_P_GEIS_02_        5  [DECEDI]  (RWED,RWED,RE,RE)
PRODUCTION.DAT;4
```

```
DECEDI$SCR_P_GEIS_03_        2  [DECEDI]  (RWED,RWED,RE,RE)
SENDER_STATUS.DAT;4
DECEDI$SCR_P_GEIS_04_        2  [DECEDI]  (RWED,RWED,RE,RE)
RECEIVER_STATUS.DAT;4
DECEDI$SCR_P_GEIS_05_        2  [DECEDI]  (RWED,RWED,RE,RE)
UNRETRIEVED_DOC.DAT;4
DECEDI$SCR_P_GEIS_06_        2  [DECEDI]  (RWED,RWED,RE,RE)
SENDER_ERROR.DAT;4
DECEDI$SCR_P_GEIS_07_        2  [DECEDI]  (RWED,RWED,RE,RE)
SENDER_SUMMARY.DAT;4
DECEDI$SCR_P_GEIS_08_        2  [DECEDI]  (RWED,RWED,RE,RE)
ERROR_RECOVERY.DAT;4
DECEDI$SCR_P_GEIS_09_        2  [DECEDI]  (RWED,RWED,RE,RE)
SENDER_DOC.DAT;4
DECEDI$SCR_P_GEIS_10_       23  [DECEDI]  (RWED,RWED,RE,RE)
LOGOUT.DAT;4
DECEDI$SCR_P_MCDD_01_        3  [DECEDI]  (RWED,RWED,RE,RE)
LOGIN.DAT;4
DECEDI$SCR_P_MCDD_02_        3  [DECEDI]  (RWED,RWED,RE,RE)
PRODUCTION.DAT;4
DECEDI$SCR_P_MCDD_03_       22  [DECEDI]  (RWED,RWED,RE,RE)
LOGOUT.DAT;4
DECEDI$SEGMENT_TABLE.        3  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$SEGMENT_TABLE_       96  [DECEDI]  (RWED,RWED,RE,)
EDIF_901.DAT;1
DECEDI$SEGMENT_TABLE_       96  [DECEDI]  (RWED,RWED,RE,)
EDIF_CTRL.DAT;1
DECEDI$SEG_DESC.FDL;4        2  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$SEG_DESC_EDIF_       12  [DECEDI]  (RWED,RWED,RE,)
901.DAT;1
DECEDI$SEG_DESC_EDIF_        9  [DECEDI]  (RWED,RWED,RE,)
CTRL.DAT;1
DECEDI$SEQ_HISTORY.FDL;4     3  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$SITE_ROUTING.FDL;4    2  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$SITE_TABLE.DAT;1     24  [DECEDI]  (RWED,RWED,RE,)
DECEDI$SITE_TABLE.FDL;4      2  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$SRV_                582  [DECEDI]  (RWED,RWED,RE,RE)
CONFIGURATION.DAT;4
DECEDI$SRV_CONFIGURATION.   13  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$SRV_CONFIG_DEFS.    612  [DECEDI]  (RWED,RWED,RE,RE)
DAT;4
DECEDI$SRV_PARAMETER.       27  [DECEDI]  (RWED,RWED,RE,RE)
DAT;4
DECEDI$SRV_PARAMETER.        2  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$SUB_ELE_TABLE.        2  [DECEDI]  (RWED,RWED,RE,RE)
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```
FDL;4
DECEDI$SUB_ELE_TABLE_     33  [DECEDI]  (RWED,RWED,RE,)
EDIF_901.DAT;1
DECEDI$SUB_ELE_TABLE_     33  [DECEDI]  (RWED,RWED,RE,)
EDIF_CTRL.DAT;1
DECEDI$SYSTEM_PARAMETERS.  9  [DECEDI]  (RWED,RWED,RE,)
DAT;1
DECEDI$SYSTEM_PARAMETERS.  2  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$SYSTEM_VERSIONS.   15  [DECEDI]  (RWED,RWED,RE,RE)
DAT;4
DECEDI$SYSTEM_VERSIONS.    2  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$TEL_TRANSFER.FDL;4  2  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$TFB_1_JMEKON.       1  [DECEDI]  (RWED,RWED,RE,)
COM;112
DECEDI$TFB_1_JMEKON.       5  [DECEDI]  (RWED,RWED,RE,)
OUT;14
DECEDI$TFS_2_JMEKON.COM;1  1  [DECEDI]  (RWED,RWED,RE,)
DECEDI$TFS_3_JMEKON.COM;1  1  [DECEDI]  (RWED,RWED,RE,)
DECEDI$TP_CODE_TRANS.FDL;4 3  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$TP_DATA_LABEL.FDL;4 3  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$TP_DOCUMENT_TABLE   2  [DECEDI]  (RWED,RWED,RE,RE)
.FDL;4
DECEDI$TP_DOC_AREA_TABLE.  2  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$TP_ELEMENT_TABLE.   2  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$TP_QUAL_TABLE.FDL;4 3  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$TP_SEGMENT_TABLE.   3  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$TP_STD_VERS.FDL;4   3  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$TRANSMISSION_FILE_ 15  [DECEDI]  (RWED,RWED,RE,)
DETAILS.DAT;1
DECEDI$TRANSMISSION_FILE_  2  [DECEDI]  (RWED,RWED,RE,RE)
DETAILS.FDL;4
DECEDI$USER_ACCESS_FILE.   2  [DECEDI]  (RWED,RWED,RE,RE)
FDL;4
DECEDI$VAN_APPEND_         4  [DECEDI]  (RWED,RWED,RE,RE)
SENDFILES.COM;4
DECEDI_CSF.GS;165         49  [DECEDI]  (RWED,RWED,RE,)
DECEDI_CSG.GS;166         49  [DECEDI]  (RWED,RWED,RE,)
DECEDI_CST.GS;166         49  [DECEDI]  (RWED,RWED,RE,)
DECEDI_CS_TRACE.GS;165     1  [DECEDI]  (RWED,RWED,RE,)
DECEDI_SERVERS.DAT;7       4  [DECEDI]  (RWED,RWED,RE,)
DECEDI_SERVERS.TEMPLATE;4  4  [DECEDI]  (RWED,RWED,RE,RE)
FBR$RUN_ID.DAT;2           1  [DECEDI]  (RWED,RE,,)
I0901.DAT;2              168  [DECEDI]  (RWED,RWED,RE,)
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I0CTRL.DAT;3              168  [DECEDI]  (RWED,RE,,)
```

6. DECEDI$TOP:[TOOLS]

```
AUDIT.EXTRACT;1            93  [DECEDI]  (RWED,RE,,)
BALKI.OUT;1               168  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$17OCT200122473285.  93  [DECEDI]  (RWED,RE,,)
EXTRACT;1
DECEDI$ARCHIVE_DATABASE.   36  [DECEDI]  (RWED,RWED,RE,RE)
SQL;4
DECEDI$ARCHIVE_DB_CREATE. 925  [DECEDI]  (RWED,RWED,RE,RE)
EXE;4
DECEDI$AUDIT_DATABASE.     50  [DECEDI]  (RWED,RWED,RE,RE)
SQL;4
DECEDI$AUDIT_EXTRACT.     265  [DECEDI]  (RWED,RWED,RE,RE)
COM;4
DECEDI$AUDIT_EXTRACT.     2305  [DECEDI]  (RWED,RWED,RE,RE)
EXE;4
DECEDI$AUDIT_EXTRACT_        3  [DECEDI]  (RWED,RWED,RE,RE)
TABLES.DAT;4
DECEDI$AUDIT_USER_REF_       1  [DECEDI]  (RWED,RWED,RE,RE)
TABLES.DAT;4
DECEDI$CONFIGURE_CLIENT_     7  [DECEDI]  (RWED,RWED,RE,RE)
SERVER.COM;4
DECEDI$CONVERT_DOC.EXE;4    13  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$DB_CREATE.EXE;4     959  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$DLG.COM;4             5  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$DLG.EXE;4           131  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$DLG_COPY.COM;4       11  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$DLG_DOC.PS;4        175  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$DLG_DOC.TXT;4        72  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$EDIFACT_CONTRL.PS;4  77  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$EDIFACT_CONTRL.TXT;4 19  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$FBRMSG.EXE;1          6  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$FIXUP_IVP.COM;4      78  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$LINK_TUNE_DB.COM;4    3  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$LINK_TUNE_SYINFO.     3  [DECEDI]  (RWED,RWED,RE,RE)
COM;4
DECEDI$MESSAGE_UPDATES.    439  [DECEDI]  (RWED,RWED,RE,RE)
EXE;5
DECEDI$PCV.EXE;4            84  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$PCV.PS;4             77  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$PCV.TXT;4            21  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$PS_CONTROL.COM;4      5  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$PS_CONTROL.PS;4      60  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$PS_CONTROL.TXT;4     10  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$RECOVER.COM;4         7  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$RECOVER.EXE;4      2005  [DECEDI]  (RWED,RWED,RE,RE)
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```
DECEDI$TAILOR.COM;4          138  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$TEL.EXE;4             278  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$TEL_DOC.PS;4          270  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$TEL_DOC.TXT;4         127  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$TUNE_DB.EXE;7         378  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$TUNE_DB.OBJ;4         241  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$TUNE_DB.PS;4          335  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$TUNE_DB.TXT;4         165  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$TUNE_SYINFO.EXE;5      11  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$TUNE_SYINFO.OBJ;4      19  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$VIEW_LOOKUPS.EXE;4    161  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$X25_FORCE_PWD.EXE;4    60  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI$X25_MIGRATE.EXE;4    1678  [DECEDI]  (RWED,RWED,RE,RE)
DECEDI.ERR;1                   1  [DECEDI]  (RWED,RWED,RE,)
DECEDI_MUS.LOG;1               1  [DECEDI]  (RWED,RWED,RE,)
DECEDI__RECOVER_AVAIL_         1  [DECEDI]  (RWED,RWED,RE,RE)
TABLE.COM;1
DECEDI__RECOVER_AVAIL_         1  [DECEDI]  (RWED,RWED,RE,RE)
TABLE.SQL;1
DOC_DEF_V32.DAT;1            168  [DECEDI]  (RWED,RE,,)
FBEXPORT.EXE;4               178  [DECEDI]  (RWED,RWED,RE,RE)
FBEXPORT_USER_GUIDE.PS;4     160  [DECEDI]  (RWED,RWED,RE,RE)
FBEXPORT_USER_GUIDE.TXT;4     69  [DECEDI]  (RWED,RWED,RE,RE)
MESSAGE.EXE;1                  8  [DECEDI]  (RWED,RE,,)
MINVOX_OUT.FBI;1               1  [DECEDI]  (RWED,RE,,)
MINVOX_OUT.FBO;1               2  [DECEDI]  (RWED,RWED,RE,)
MINVOX_OUT.TMP;1               2  [DECEDI]  (RWED,RE,,)
```

7. SYS$COMMON:[SYS$STARTUP]

```
DECEDI$CLEO_SHUTDOWN.COM;2    4  [SYSTEM]  (RWED,RWED,RWED,)
DECEDI$CLEO_STARTUP.COM;2     4  [SYSTEM]  (RWED,RWED,RWED,)
DECEDI$SHUTDOWN.COM;18       44  [SYSTEM]  (RWED,RWED,RWED,)
DECEDI$STARTUP.COM;13        63  [SYSTEM]  (RWED,RWED,RWED,)
DECEDI$SYSHUTDOWN.COM;2       3  [SYSTEM]  (RWED,RWED,RWED,)
DECEDI$SYSTARTUP.COM;2        3  [SYSTEM]  (RWED,RWED,RWED,)
```

8. SYS$COMMON:[SYSEXE]

```
DECEDI$3780.EXE;4          2207  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$ARCHIVE_SERVER.     1987  [SYSTEM]  (RWED,RWED,RE,RE)
EXE;4
DECEDI$CHECK_FILES.COM;4      7  [SYSTEM]  (RWED,RWED,RWED,)
DECEDI$CLI.EXE;4             70  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$CNV_EDIFACT.EXE;4   2092  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$CNV_TRADACOMS.      2209  [SYSTEM]  (RWED,RWED,RE,RE)
EXE;3
DECEDI$CNV_X12.EXE;4       2996  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$COMMS_CONTROL.      1982  [SYSTEM]  (RWED,RWED,RE,RE)
```

```
EXE;4
DECEDI$CONTROL_NUM_USER_   44  [SYSTEM]  (RWED,RWED,RE,RE)
DEFINED.EXE;4
DECEDI$CSF.EXE;6         2992  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$CSG.EXE;4         3564  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$CST.EXE;4         2069  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$DATA_SERVER.       404  [SYSTEM]  (RWED,RWED,RE,RE)
EXE;4
DECEDI$DELETE_LOOKUPS.    121  [SYSTEM]  (RWED,RWED,RE,RE)
EXE;4
DECEDI$IMPEXP.EXE;5      1933  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$INTERCHANGE.     23511  [SYSTEM]  (RWED,RWED,RE,RE)
EXE;12
DECEDI$INTERCHANGE.     23314  [SYSTEM]  (RWED,RWED,RE,RE)
EXE_NITRO2;1
DECEDI$LOGIN.COM;4          5  [SYSTEM]  (RWED,RWED,E,E)
DECEDI$LOOK.COM;4           5  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$LOOK.EVE;4           1  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$OFTP.EXE;4        2123  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$PEDI.EXE;4        2330  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$PS.EXE;4           170  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$PS_CONTROL.        100  [SYSTEM]  (RWED,RWED,RE,RE)
EXE;4
DECEDI$RECACHE_           161  [SYSTEM]  (RWED,RWED,RE,RE)
LOOKUPS.EXE;4
DECEDI$SERVICES.EXE;4  88  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$SHUTDOWN.EXE;4 160  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$STARTUP.EXE;4 3197  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$TFB.EXE;4     2073  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$TFB_X12.EXE;4 2765  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$TFS.EXE;4     2123  [SYSTEM]  (RWED,RWED,RE,RE)
DECEDI$TRNS_EDIFACT. 2222  [SYSTEM]  (RWED,RWED,RE,RE)
EXE;6
DECEDI$TRNS_         2156  [SYSTEM]  (RWED,RWED,RE,RE)
TRADACOMS.EXE;3
DECEDI$TRNS_X12.     3592  [SYSTEM]  (RWED,RWED,RE,RE)
EXE;4
DECEDI$VAN_TRAX.     1897  [SYSTEM]  (RWED,RWED,RE,RE)
EXE;4
DECEDI$X25.EXE;4     2024  [SYSTEM]  (RWED,RWED,RE,RE)
FBR$DECEDI_             5  [SYSTEM]  (RWED,RWED,RE,RE)
EXTRACT.COM;4
FBR$EXTRACT_INSTALL.    9  [SYSTEM]  (RWED,RWED,RE,RE)
COM;4
FBR$RECOVER.EXE;4    2776  [SYSTEM]  (RWED,RWED,RE,RE)
FBR$RUNTIME.EXE;4    2754  [SYSTEM]  (RWED,RWED,RE,RE)
FBR$TRACKING.EXE;4    806  [SYSTEM]  (RWED,RWED,RE,RE)
FBR$UI.EXE;4         3114  [SYSTEM]  (RWED,RWED,RE,RE)
```

9. SYS$COMMON:[SYSHLP]

```
DECEDI$COMMAND_HELP.    700  [SYSTEM]  (RWED,RWED,RWED,RE)
HLB;4
DECEDI$REVIEW_HELP.      49  [SYSTEM]  (RWED,RWED,RWED,RE)
HLB;4
DECEDI$UI_FIELD_HELP.   581  [SYSTEM]  (RWED,RWED,RWED,RE)
HLB;4
DECEDI$UI_HELP_KEYS_      9  [SYSTEM]  (RWED,RWED,RWED,RE)
ENGLISH.TXT;4
DECEDIMSG021.RELEASE_   181  [SYSTEM]  (RWED,RWED,RWED,RE)
NOTES;14
DECEDIV40.RELEASE_       37  [SYSTEM]  (RWED,RWED,RWED,RE)
NOTES;14
```

10. SYS$COMMON:[SYSHLP.EXAMPLES.DECEDI]

```
DECEDI$COMM_APPSHR.       4  [SYSTEM]  (RWED,RWED,RWED,RE)
OPT;4
DECEDI$CONTRL_SHR.        3  [SYSTEM]  (RWED,RWED,RWED,RE)
OPT;4
DECEDI_POST_FETCH.C;4    17  [SYSTEM]  (RWED,RWED,RWED,RE)
EDIFACT_901_DIRECTORY.  180  [SYSTEM]  (RWED,RWED,RWED,RE)
DAT;4
EDIFACT_901_MINVOX_     180  [SYSTEM]  (RWED,RWED,RWED,RE)
DOCUMENT.DAT;5
HELLO.C;4                 3  [SYSTEM]  (RWED,RWED,RWED,RE)
INVOICE_IN.DAT;4          1  [SYSTEM]  (RWED,RWED,RWED,RE)
INVOICE_IN.FBO;4         76  [SYSTEM]  (RWED,RWED,RWED,RE)
INVOICE_OUT.DAT;4         1  [SYSTEM]  (RWED,RWED,RWED,RE)
INVOICE_OUT.FBO;4       165  [SYSTEM]  (RWED,RWED,RWED,RE)
MINVOX_HOOK_OUT.FBO;4   189  [SYSTEM]  (RWED,RWED,RWED,RE)
MINVOX_IN.DAT;4           3  [SYSTEM]  (RWED,RWED,RWED,RE)
MINVOX_IN.FBO;4          63  [SYSTEM]  (RWED,RWED,RWED,RE)
MINVOX_OUT.DAT;4          2  [SYSTEM]  (RWED,RWED,RWED,RE)
MINVOX_OUT.FBI;1         19  [SYSTEM]  (RWED,RWED,RE,)
MINVOX_OUT.FBO;5         80  [SYSTEM]  (RWED,RWED,RE,)
PROFILE-DEC-DIRECT-UK-    3  [SYSTEM]  (RWED,RWED,RWED,RE)
LTD.DAT;4
PROFILE-HAPPY-JACK-       3  [SYSTEM]  (RWED,RWED,RWED,RE)
SOFTWARE.DAT;4
PROFILE-INVOICE-          3  [SYSTEM]  (RWED,RWED,RWED,RE)
APPLICATION.DAT;4
PROFILE-SHINY-NEW-        3  [SYSTEM]  (RWED,RWED,RWED,RE)
SYSTEMS.DAT;4
X12_002002_DIRECTORY.   342  [SYSTEM]  (RWED,RWED,RWED,RE)
DAT;4
```

11..SYS$COMMON:[SYSLIB]

```
DECEDI$API_DEF.BAS;4      15  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$API_DEF.COB;4      15  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$API_DEF.FOR;4      10  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$API_DEF.H;4        11  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$API_DEF.LIB;4      15  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$API_DEF.PAS;4      14  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$API_DEF.PLI;4      12  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$APPSHR_V2.EXE;4   145  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$COMM_APPSHR.     1102  [SYSTEM]  (RWED,RWE,RWE,RE)
EXE;4
DECEDI$CONTRLSHR.       1024  [SYSTEM]  (RWED,RWE,RWE,RE)
EXE;4
DECEDI$DATACHECKSHR.       8  [SYSTEM]  (RWED,RWED,RE,RE)
EXE;4
DECEDI$EXTSHR.EXE;4      852  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$GDI_DEFS.BAS;4     16  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$GDI_DEFS.FOR;4     11  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$GDI_DEFS.H;4        9  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$GDI_DEFS.LIB;4     14  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$GDI_DEFS.PAS;4     12  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$GDI_DEFS.PLI;4     10  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$LIBSHR.EXE;4      812  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$NUMSHR.EXE;4      433  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$PRVSHR.EXE;5        8  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI$SECTION.TPU$      122  [SYSTEM]  (RWED,RWED,RE,RE)
SECTION;4
DECEDI$SEQCHECKSHR.       29  [SYSTEM]  (RWED,RWED,RE,RE)
EXE;4
DECEDI_API_COMMON.H;4     48  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI_API_DEF.H;4         9  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI_API_MSGS.H;4       24  [SYSTEM]  (RWED,RWE,RWE,RE)
DECEDI_PLATFORMS.H;4      14  [SYSTEM]  (RWED,RWE,RWE,RE)
```

12. SYS$COMMON:[SYSTEST]

```
DECEDI$IVP.COM;4          55  [SYSTEM]  (RWED,RWED,RWED,)
DECEDI$IVP_CHECKSUMS.    414  [SYSTEM]  (RWED,RWED,RWED,)
DAT;7
DECEDI$IVP_CHECKSUMS_    414  [SYSTEM]  (RWED,RWED,RE,)
NEW.DAT;2
```

13. Logical Names

All DEC/EDI logical names are entered into logical name tables when DEC/EDI is started. These names are defined by the following startup files:

SYS$MANAGER:DECEDI$LOGICALS.COM

```
SYS$MANAGER:DECEDI$SYLOGICALS.COM
SYS$MANAGER:DECEDI$SYLOGICALS_<NODE>.COM.

The logical names are automatically entered into the DECEDI
logical name table whenever you run DEC/EDI's startup
procedure. The list is in alphabetical order.
To see the logical names grouped by the DEC/EDI components that
use them, look at the command procedure that define them.
The following logicals are defined in the logical name table
DECEDI$LOGICAL_NAMES:
"DECEDI$3780" = "DECEDI$TOP:[3780PLUS]"
"DECEDI$ACF" = "DECEDI$DATA:DECEDI$ACCESS.DAT"
"DECEDI$ARCHIVE_DB" =
"BITTER$DKB200:[DECEDI.ARCHIVEDB]DECEDI$ARCHIVE_DB.RDB"
"DECEDI$ARCHREPORTS" = "DECEDI$TOP:[ARCHREPORTS]"
"DECEDI$AST" = "DECEDI$DATA:DECEDI$SITE_TABLE.DAT"
"DECEDI$AUDIT_DB" =
"BITTER$DKB200:[DECEDI.AUDITDB]DECEDI$AUDIT_DB.RDB"
"DECEDI$AUDIT_DB_REFRESH" = "0 06:00:00"
"DECEDI$AUDIT_DB_VERSION" = "5.1"
"DECEDI$BACKUP" = "DECEDI$TOP:[BACKUP]"
"DECEDI$CACHE" = "DECEDI$TOP:[CACHE]"
"DECEDI$CAF" = "DECEDI$DATA:DECEDI$CLIENTAPPLICATIONS.DAT"
"DECEDI$CNT" = "DECEDI$DATA:DECEDI$CONTROL_NUM.DAT"
"DECEDI$COM" = "SYS$MANAGER"
"DECEDI$CVP" = "DECEDI$TOP:[CVP]"
"DECEDI$CVP_IMPEXP" = "DECEDI$TOP:[CVP.IMPEXP]"
"DECEDI$CVP_WORK" = "DECEDI$TOP:[CVP.WORK]"
"DECEDI$DAT" = "DECEDI$NON_UNIQUE_DECEDI$DOC_AREA_TABLE.DAT"
"DECEDI$DATA" = "DECEDI$TOP:[DATA]"
"DECEDI$DDF" = "DECEDI$DATA:DECEDI$DOC_DESC_TABLE.DAT"
"DECEDI$DLF" = "DECEDI$DATA:DECEDI$DATA_DESC.DAT"
"DECEDI$DLM" = "DECEDI$NON_UNIQUE_DECEDI$DATA_LABEL.DAT"
"DECEDI$DS_CLEANUP" = "1"
"DECEDI$DS_CLEANUP_COUNT" = "120"
"DECEDI$DS_N_TIMEOUT_MAX" = "5"
"DECEDI$DS_TIMEOUT" = "60"
"DECEDI$DTF" = "DECEDI$NON_UNIQUE_DECEDI$DOCUMENT_TABLE.DAT"
"DECEDI$ECF" = "DECEDI$NON_UNIQUE_DECEDI$ELEMENT_CODES.DAT"
"DECEDI$ELF"="DECEDI$NON_UNIQUE_DECEDI$ELEMENT_CEDI$ERROR"="DE
CEDI$TOP:[ERROR]"
"DECEDI$EXAMPLES" ="SYS$COMMON:[SYSHLP.EXAMPLES.DECEDI]"
"DECEDI$EXE" = "SYS$SYSTEM"
"DECEDI$FMT" = "DECEDI$DATA:DECEDI$FA_MAPPING_TABLE.DAT"
"DECEDI$FTF" = "DECEDI$DATA:DECEDI$FORMAT_TABLE.DAT"
"DECEDI$HK_LOCK_THRESHOLD" = "100"
"DECEDI$JDF" = "DECEDI$DATA:DECEDI$JOB_DESC.DAT"
"DECEDI$LOOK" = "DECEDI$EXE:DECEDI$LOOK.COM"
"DECEDI$MAPS" = "DECEDI$TOP:[MAP_TABLES]"
```

```
"DECEDI$MAX_DICTIONARIES" = "2"
"DECEDI$MAX_DOCUMENTS" = "10"
"DECEDI$MAX_SEGMENT_TABLES" = "2"
"DECEDI$MCF" = "DECEDI$DATA:DECEDI$MGT_CONFIG.DAT"
"DECEDI$MESSAGES" = "SYS$MESSAGE:DECEDI$MESSAGE.EXE"
"DECEDI$MESSAGE_UPDATES" = "DECEDI$TOP:[MESSAGE_UPDATES]"
"DECEDI$MSG" = "SYS$MESSAGE"
"DECEDI$NCD" =
"DECEDI$DATA:DECEDI$NODE_CONFIGURATION_DETAILS.DAT"
"DECEDI$PAT" = "DECEDI$NON_UNIQUE_DECEDI$P_DOC__ABLE.DAT"
"DECEDI$PCF" = "DECEDI$NON_UNIQUE_DECEDI$P_ELEMENT_CODES.DAT"
"DECEDI$PDF" = "DECEDI$DATA:DECEDI$P_DOC_DESC_TABLE.DAT"
"DECEDI$PDT" = "DECEDI$NON_UNIQUE_DECEDI$P_DOCUMENT_TABLE.DAT"
"DECEDI$PET" = "DECEDI$NON_UNIQUE_DECEDI$P_ELEMENT_TABLE.DAT"
"DECEDI$PSD" = "DECEDI$NON_UNIQUE_DECEDI$P_SEG_DESC.DAT"
"DECEDI$PSE" = "DECEDI$NON_UNIQUE_DECEDI$P_SUB_ELE_TABLE.DAT"
"DECEDI$PST" = "DECEDI$NON_UNIQUE_DECEDI$P_SEGMENT_TABLE.DAT"
"DECEDI$QTF" = "DECEDI$NON_UNIQUE_DECEDI$QUALIFIER_TABLE.DAT"
"DECEDI$SAFE_DIRECTORY" = "DECEDI$TOP:[DS_SCRATCH]"
"DECEDI$SCF" = "DECEDI$DATA:DECEDI$SRV_CONFIGURATION.DAT"
"DECEDI$SDF" = "DECEDI$NON_UNIQUE_DECEDI$SEG_DESC.DAT"
"DECEDI$SEF" = "DECEDI$NON_UNIQUE_DECEDI$SUB_ELE_TABLE.DAT"
"DECEDI$SHUTDOWN" = "SYS$STARTUP:DECEDI$SHUTDOWN"
"DECEDI$SPA" = "DECEDI$DATA:DECEDI$SRV_PARAMETER.DAT"
"DECEDI$SPF" = "DECEDI$DATA:DECEDI$SYSTEM_PARAMETERS.DAT"
"DECEDI$SRF" = "DECEDI$DATA:DECEDI$SITE_ROUTING.DAT"
"DECEDI$STARTUP" = "SYS$STARTUP:DECEDI$STARTUP"
"DECEDI$STARTUP_DS_TIMEOUT_LENGTH" = "0 00:01:00.00"
"DECEDI$STARTUP_FS_TIMEOUT_LENGTH" = "0 00:30:00.00"
"DECEDI$STARTUP_TIMEOUT_LENGTH" = "0 00:10:00.00"
"DECEDI$STF" = "DECEDI$NON_UNIQUE_DECEDI$SEGMENT_TABLE.DAT"
"DECEDI$STORE_1" = "DECEDI$TOP:[STORE_1]"
"DECEDI$STORE_10" = "DECEDI$TOP:[STORE_10]"
"DECEDI$STORE_11" = "DECEDI$TOP:[STORE_11]"
"DECEDI$STORE_12" = "DECEDI$TOP:[STORE_12]"
"DECEDI$STORE_13" = "DECEDI$TOP:[STORE_13]"
"DECEDI$STORE_14" = "DECEDI$TOP:[STORE_14]"
"DECEDI$STORE_15" = "DECEDI$TOP:[STORE_15]"
"DECEDI$STORE_16" = "DECEDI$TOP:[STORE_16]"
"DECEDI$STORE_17" = "DECEDI$TOP:[STORE_17]"
"DECEDI$STORE_18" = "DECEDI$TOP:[STORE_18]"
"DECEDI$STORE_19" = "DECEDI$TOP:[STORE_19]"
"DECEDI$STORE_2" = "DECEDI$TOP:[STORE_2]"
"DECEDI$STORE_20" = "DECEDI$TOP:[STORE_20]"
"DECEDI$STORE_3" = "DECEDI$TOP:[STORE_3]"
"DECEDI$STORE_4" = "DECEDI$TOP:[STORE_4]"
"DECEDI$STORE_5" = "DECEDI$TOP:[STORE_5]"
"DECEDI$STORE_6" = "DECEDI$TOP:[STORE_6]"
```

```
"DECEDI$STORE_7" = "DECEDI$TOP:[STORE_7]"
"DECEDI$STORE_8" = "DECEDI$TOP:[STORE_8]"
"DECEDI$STORE_9" = "DECEDI$TOP:[STORE_9]"
"DECEDI$STORE_CURRENT" = "1"
"DECEDI$STORE_HIGH" = "20"
"DECEDI$STORE_LOW" = "1"
"DECEDI$SVF" = "DECEDI$DATA:DECEDI$SYSTEM_VERSIONS.DAT"
"DECEDI$SWA" = "DECEDI$DATA:DECEDI$SWIFT_AUDIT.DAT"
"DECEDI$SWH" = "DECEDI$DATA:DECEDI$SWIFT_HISTORY.DAT"
"DECEDI$TAT" = "DECEDI$NON_UNIQUE_DECEDI$TP_DOC_AREA
TABLE.DAT"
"DECEDI$TCT" = "DECEDI$NON_UNIQUE_DECEDI$TP_CODE TRANS.DAT"
"DECEDI$TDL" = "DECEDI$NON_UNIQUE_DECEDI$TP_DATA LABEL.DAT"
"DECEDI$TDT" = "DECEDI$NON_UNIQUE_DECEDI$TP_DOCUMENT
TABLE.DAT"
"DECEDI$TEMP" = "DECEDI$TOP:[TEMP]"
"DECEDI$TET" = "DECEDI$NON_UNIQUE_DECEDI$TP_ELEMENT TABLE.DAT"
"DECEDI$TFD" = "DECEDI$DATA:DECEDI$TRANSMISSION_FILE
DETAILS.DAT"
"DECEDI$TOOLS" = "DECEDI$TOP:[TOOLS]"
"DECEDI$TOP" = "BITTER$DKB200:[DECEDI.]"
"DECEDI$TPA" = "DECEDI$DATA:DECEDI$AGREEMENTS_TABLE.DAT"
"DECEDI$TPD" = "DECEDI$DATA:DECEDI$AGREEMENTS_DETAIL
TABLE.DAT"
"DECEDI$TPF" = "DECEDI$DATA:DECEDI$PARTNER_TABLE.DAT"
"DECEDI$TPQ" = "DECEDI$NON_UNIQUE_DECEDI$TP_QUAL TABLE.DAT"
"DECEDI$TSF" = "DECEDI$DATA:DECEDI$SCHEDULE.DAT"
"DECEDI$TST" = "DECEDI$NON_UNIQUE_DECEDI$TP_SEGMENT TABLE.DAT"
"DECEDI$TSV" = "DECEDI$DATA:DECEDI$TP_STD_VERS.DAT"
"DECEDI$UI_HELP_KEYS" =
"SYS$HELP:DECEDI$UI_HELP_KEYS_ENGLISH.TXT"
"DECEDI$VANREPORTS" = "DECEDI$TOP:[VANREPORTS]"

The following DEC/EDI logicals are defined in the system table
LNM$SYSTEM_TABLE:
"DECEDI$CLUSTER_MEMBER_LETTER" = "A"
"DECEDI$COMMS_PSI" = "MBA521:"
"DECEDI$DATA_SERVER" = "MBA1410:"
"DECEDI$DS_MBX_3BC" = "MBA1427:"
"DECEDI$DS_MBX_3BD" = "MBA1424:"
"DECEDI$DS_MBX_3BE" = "MBA1425:"
"DECEDI$DS_MBX_3BF" = "MBA1423:"
"DECEDI$DS_MBX_3C0" = "MBA1428:"
"DECEDI$DS_MBX_3C1" = "MBA1426:"
"DECEDI$MAX_MAPPING_TABLES" = "10"
"DECEDI$MSL_KEY" = "DECEDI$MSL_1"
"DECEDI$NODE" = "ABACUS  "
"DECEDI$N_AS_MAX" = "1"
"DECEDI$N_AS_PRESTART" = "1"
```

```
"DECEDI$N_EDIF_CNV_MAX" = "1"
"DECEDI$N_EDIF_CNV_PRESTART" = "1"
"DECEDI$N_EDIF_TFB" = "2"
"DECEDI$N_EDIF_TFB_MAX" = "1"
"DECEDI$N_EDIF_TFB_PRESTART" = "1"
"DECEDI$N_EDIF_TFS_MAX" = "1"
"DECEDI$N_EDIF_TFS_PRESTART" = "1"
"DECEDI$N_EDIF_TRNS_MAX" = "1"
"DECEDI$N_EDIF_TRNS_PRESTART" = "1"
"DECEDI$N_IMPEXP_GWAY_MAX" = "1"
"DECEDI$N_SCHED" = "1"
"DECEDI$N_SCHED_MAX" = "1"
"DECEDI$N_SCHED_PRESTART" = "1"
"DECEDI$N_TRAD_CNV_MAX" = "1"
"DECEDI$N_TRAD_CNV_PRESTART" = "1"
"DECEDI$N_TRAD_TRNS_MAX" = "1"
"DECEDI$N_TRAD_TRNS_PRESTART" = "1"
"DECEDI$N_X12_CNV" = "1"
"DECEDI$N_X12_CNV_MAX" = "5"
"DECEDI$N_X12_CNV_PRESTART" = "3"
"DECEDI$N_X12_TFB" = "2"
"DECEDI$N_X12_TFB_MAX" = "5"
"DECEDI$N_X12_TFB_MAX=" = "5"
"DECEDI$N_X12_TFB_PRESTART" = "3"
"DECEDI$N_X12_TFB_PRESTART=" = "3"
"DECEDI$N_X12_TRNS" = "1"
"DECEDI$N_X12_TRNS_MAX" = "1"
"DECEDI$N_X12_TRNS_PRESTART" = "1"
"DECEDI$STARTUP_SHUTDOWN" = "MBA49:"
"DECEDI_CSF_MAX" = "5"
"DECEDI_CSF_PRESTART" = "3"
"DECEDI_CSG_MAX" = "1"
"DECEDI_CSG_PRESTART" = "1"
"DECEDI_CST_MAX" = "1"
"DECEDI_CST_PRESTART" = "1"
"DECEDI_PS_MBX" = "MBA527:"
```

Appendix K UNIX Installation - Directory and File Listing

The tables in this section list the contents of Digital DEC/EDI directories when the installation process is complete.

1. Client Subset-DIGITAL UNIX

Directory	File	Description
/usr/bin	trade	Command Line Interface
/usr/doc	DECEDI400.RELEASE_NOTES DECEDI400_RELEASE NOTES.PS	DEC/EDI Release Notes-ASCII and PostScript, respectively
/usr/include	decedi_api common.h	API common values and structures
/usr/include	decedi_api def.h	API entry points
/usr/include	decedi_api msgs.h	API return values
/usr/include	decedi platforms.h	API platform specific
/usr/lib/nls/msg/en US.88591	decedi_api.cat	Message Catalogue
/usr/shlib	libdecediapi_tcp.so libdecediapi.so	Shareable link libraries

/usr/opt/DEDICLT400/		Subdirectories where physical files reside. The files which precede this entry are mainly softlinks to files under this directory.
/var/adm/decedi	decedi_db_ora_users.sql	sql script file
/var/adm/decedi	decedi_servers.dat	

2. Reference Pages Subset DIGITAL UNIX

Directory	File	Description
/usr/share/man/man3	decedi_add item_list.3	Reference page for application programming interface
/usr/share/man/man3	decedi_fetch.3	Reference page for application programming interface
/usr/share/man/man3	decedi_free item_list.3	Reference page for application programming interface
/usr/share/man/man3	decedi_free track_list.3	Reference page for application programming interface
/usr/share/man/man3	decedi_post.3	Reference page for application programming interface
/usr/share/man/man3	decedi_track.3	Reference page for application programming interface
/usr/opt/DEDICLTMAN400/		Subdirectories where physical files reside. The files which precede this entry are mainly softlinks to files under this_directory.

3. User Documentation Files

Directory	File	Description
/usr/doc	decedimsg210.releas_notes	Message Updates Release Notes (Text)
/usr/doc	decedimsg210 release_notes.ps	Message Updates Release Notes (PostScript)
/usr/doc	DECEDI400.release notes	DEC/EDI Release Notes (Text)
/usr/doc	DECEDI400 release_notes.ps	DEC/EDI Release Notes (PostScript)

4. Examples and Script Files

Directory	File	Description
/usr/examples/decedi/client	api_exam.c	Client programming example
/usr/examples/decedi/client	api_exam.sh	Client example compilation shell script
/usr/examples/decedi/client	cli_exam.sh	Client example shell script
/usr/examples/decedi/client	crehdr_o.dat	TRADACOMS example application file
/usr/examples/decedi/client	e911inv1.dat	EDIFACT example application file
/usr/examples/decedi/client	e911inv2.dat	EDIFACT example application file
/usr/examples/decedi/client	init_fetch.sh	Start import example
/usr/examples/decedi/client	invoic_o.dat	X12 example application file

/usr/examples /decedi/client	minvox_i.tx	Example transmission file
/usr/examples /decedi/client	minvox_i.tx_smtp	Example SMTP transmission
/usr/examples /decedi/client	minvox_o.dat	EDIFACT example application file
/usr/examples /decedi/client	minvox_o.ihf	Example DEC/EDI Inhouse file
/usr/examples /decedi/client	o3desado.dat	ODETTE example application file
/usr/examples /decedi/client	systest.csh	System tests shell script
/usr/examples /decedi/mapper	decedi_msl insert_inf.sql	Shared Lookups Example (Informix)
/usr/examples /decedi/mapper	decedi_msl insert_ora.sql	Shared Lookups Example (Oracle 7)
/usr/examples /decedi/mapper	decedi_msl insert_rdb.sql	Shared Lookups Example (Oralce Rdb)
/usr/examples /decedi/server	decedi loopback.sh	Import/Export Loopback Script
/usr/examples /decedi/sqs	sqs_create.sqs	SQL/Services creation example
/usr/examples /decedi/sqs	sqs_startup.sqs	SQL/Services startup example
/usr/examples /decedi/sqs	sqs_shutdown.sqs	SQL/Services shutdown example
/var/adm/decedi /data	decedi_geis sndrcv.tcl	3780 Gateway GEIS TCL script
/var/adm/decedi /data	decedi_tymnet sndrcv.tcl	3780 Gateway BT-Tymnet TCL script

5. Header Files

Directory	File	Description
/usr/include	decedi_api common.h	API common values and structures
/usr/include	decedi_api_def.h	API entry points
/usr/include	decedi_api_msgs.h	API return values
/usr/include	decedi platforms.h	API platform specific

6. Message Catalog

Directory	File	Description
/usr/lib/nls/msg /en_US.ISO8859-1	decedi_api.cat	API Message Catalog
/usr/lib/nls/msg /en_US.ISO8859-1	decedi general.cat	Server Message Catalog

7. System Images

Directory	File	Description
/usr/sbin	decedi__delete lookups	Delete Shared Lookups
/usr/sbin	decedi_alarm	Alarm script
/usr/sbin	decedi_arch	Secondary archive command
/usr/sbin	decedi_arch script	Archive script
/usr/sbin	decedi_asd	Archive server daemon
/usr/sbin	decedi_ccid	Comms controller (incoming)
/usr/sbin	decedi_ccod	Comms controller (outgoing)
/usr/sbin	decedi_checkdir	Directory ownership

		checker
/usr/sbin	decedi_config	Configration Utility
/usr/sbin	decedi_dlg	Data label generator
/usr/sbin	decedi_dump_db	Database dump utility
/usr/sbin	decedi_ecnvd	EDIFACT converter (outgoing)
/usr/sbin	decedi_etfbd	EDIFACT Transmission File Builder
/usr/sbin	decedi_etfsd	EDIFACT Transmission File Splitter
/usr/sbin	decedi_etrnd	EDIFACT translator (incoming)
/usr/sbin	decedi_impexpd	Import/Export gateway daemon
/usr/sbin	decedi_look	Error log viewer
/usr/sbin	decedi_manage	Comms management utility
/usr/sbin	decedi_must	Message Updates tool
/usr/sbin server	decedi_orapwd	Oracle 7 connection daemon
/usr/sbin	decedi_pcc	Profile cache constructor
/usr/sbin	decedi_pcv	Profile cache viewer
/usr/sbin	decedi_recache lookups	Shared lookups recache command
/usr/sbin	decedi_repair	Repair utility
/usr/sbin	decedi_retr	Retrieve command
/usr/sbin	decedi_retr script	Retrieve script
/usr/sbin	decedi_setup	Setup command

/usr/sbin	decedi_ssr_server	Startup/shutdown server
/usr/sbin	decedi_start	Startup command
/usr/sbin	decedi_start component	Component start agent
/usr/sbin	decedi_stop	Shutdown command
/usr/sbin	decedi_sysetup	System setup
/usr/sbin	decedi_systart	System startup
/usr/sbin	decedi_systop	System shutdown
/usr/sbin	decedi_tcnvd	TRADACOMS converter
/usr/sbin	decedi_ttrnd	TRADACOMS translator
/usr/sbin	decedi_view lookups	Share lookups viewer
/usr/sbin	decedi_xcnvd	X12 converter
/usr/sbin	decedi_xtfbd	X12 Transmission File Builder
/usr/sbin	decedi_xtrnd	X12 translator
/usr/sbin	trade	DEC/EDI_trade_command

8. Online Help

Directory	File	Description
/usr/share/man /man8	decedi_arch.8	man pages for secondary archive
/usr/share/man /man8	decedi_dlg.8	man pages for data label generator
/usr/share/man /man8	decedi_look.8	man pages for error log viewer
/usr/share/man /man8	decedi_manage.8	man pages for comms management

/usr/share/man /man8	decedi_must.8	man pages for message updates tool
/usr/share/man /man8	decedi_pcv.8	man pages for profile cache viewer
/usr/share/man /man8	decedi_repair.8	man pages for repair utilty
/usr/share/man /man8	decedi_retr.8	man pages for retrieve
/usr/share/man /man1	trade.1	man pages for trade command

9. Shared Libraries

Directory	File	Description
/usr/shlib	libdecedi_db.so	Database shareable object library
/usr/shlib	libdecedi_db_c.so	Database common shareable object library
/usr/shlib	libdecedi_db inf.so	Database Informix shareable object library
/usr/shlib	libdecedi_db ora.so	Database Oracle 7 shareable object library
/usr/shlib	libdecedi numshr.so	Numbering schemes shareable object library
/usr/shlib	libdecediapi.so	API shareable object library
/usr/shlib	libdecediapi _tcp.so	API shareable object library

10. DEC/EDI Configuration Files

Directory	File	Description
/var/adm/decedi/db	decedi_db_inf create_db.sql	Database creation script (Informix)
/var/adm/decedi/db	decedi_db_inf create_schema.sql	Schema SQL script(Informix)
/var/adm/decedi/db	decedi_db_inf users.sql	User management script
/var/adm/decedi/db	decedi_db_ora create_db.sql	Database creation script (Oracle 7)
/var/adm/decedi/db	decedi_db_ora create_schema.sql	Schema SQL script(Oracle 7)
/var/adm/decedi	decedi_migrate db_from_<from version> <database type>.sql	Database migration script script for the specified database type from an old DEC/EDI version to the latest version. Database type can be: o ora-Oracle7
/var/adm/decedi/db	decedi_migrate ora_v32_db.sql	Database migration script

11. EDI and Message Definitions

Directory	File	Description
/var/adm/decedi /impdef	decedi_edif 1.impdef	EDI Message and Directory definition
/var/adm/decedi /impdef	decedi <standard> <version>.impdef	EDI Message and Directory definition for the specfied EDI standard and its versions. Standard can be one of: o edif-EDIFACT

```
                                                o  odet-ODETTE

                                                o  trad-TRADACOMS

                                                o  x12 -X12

                                                o  tdcc-TDCC

/var/adm/decedi    decedi_edif        EDI Message and Directory
/impdef            902.impdef          definition

/var/adm/decedi    decedi_edif        EDI Message and Directory
/impdef            911.impdef          definition

/var/adm/decedi    decedi_edif        EDI Message and Directory
/impdef            912.impdef          definition

/var/adm/decedi    decedi_edif        EDI Message and Directory
/impdef            921.impdef          definition

/var/adm/decedi    decedi_edif        EDI Message and Directory
/impdef            d93a.impdef         definition

/var/adm/decedi    decedi_edif        EDI Message and Directory
/impdef            d94b.impdef         definition

/var/adm/decedi    decedi_edif        EDI Message and Directory
/impdef            d95a.impdef         definition

/var/adm/decedi    decedi_edif        EDI Message and Directory
/impdef            d95b.impdef         definition

/var/adm/decedi    decedi_edif        EDI Message and Directory
/impdef            s93a.impdef         definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            002001.impdef       definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            002002.impdef       definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            002003.impdef       definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            002040.impdef       definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
```

```
/impdef            003010.impdef      definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            003020.impdef      definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            003021.impdef      definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            003022.impdef      definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            003030.impdef      definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            003031.impdef      definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            003032.impdef      definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            003040.impdef      definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            003041.impdef      definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            003050.impdef      definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            003051.impdef      definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            003052.impdef      definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef            003060.impdef      definition

/var/adm/decedi    decedi_x12         EDI Message and Directory
/impdef           003061.impdef      definition

/var/adm/decedi    decedi_x12_        EDI Message and Directory
/impdef           004010.impdef      definition

/var/adm/decedi    decedi_x12_        EDI Message and Directory
/impdef           004011.impdef      definition

/var/adm/decedi    decedi_x12_        EDI Message and Directory
```

/impdef	004012.impdef	definition
/var/adm/decedi /impdef	decedi_x12_ 004020.impdef	EDI Message and Directory definition
/var/adm/decedi /impdef	decedi_x12_ 004021.impdef	EDI Message and Directory definition
/var/adm/decedi /impdef	decedi_x12_ 004030.impdef	EDI Message and Directory definition

12.New Server Files in an Oracle7 Setup

Directory	File	Description
$ORACLE_HOME/dbs	initdecedidb.ora	
/var/adm/decedi	decedi_db_ora create_db.sql	
/var/adm/decedi	decedi_db_ora create_schema.sql	
/var/adm/decedi	decedi_db_ora users.sql	
/var/adm/decedi	decedi_migrate db_v314_v31ssb ora.sql	
decedidb	decedi_ctrl1.dbf	
decedidb	decedi_ctrl2.dbf	
decedidb	decedi_ctrl3.dbf	
decedidb	decedi_log1.dbf	
decedidb	decedi_log2.dbf	
decedidb	decedi_log3.dbf	
decedidb	decedi_mdata.dbf	
decedidb	decedi_mindex.dbf	
decedidb	decedi_mtemp.dbf	

decedidb	decedi_rbs.dbf	
decedidb	decedi_system.dbf	
/etc	listener.ora	Default Oracle network template
/etc	tnsnames.ora	Default Oracle network template
/etc	tnsnav.ora	Default Oracle network template

Appendix L SUN Solaris Client - Directory and File Listing

Table L-1 Files in Client Subset

Directory	File	Description
/etc	setld	Utility to install DEC/EDI Client software
/usr/opt/DEDICLT400		Subdirectories where physicalfiles reside. The files which precede this entry are mainly softlinks to files under this directory.
/var/adm/decedi	decedi_servers.template	This file is the template file which contains the template for defining the server listing. Copy this file to decedi_servers.dat and enter all your server entries in it.
/usr/bin	trade	Command Line Interface
/usr/bin	decedi_config.sh	Shell script for TCP/IP configuration
/usr/doc	decediv40.release_notes	DEC/EDI Client Release Notes
/usr/include	decedi_api_common.h	API common values and structures

Table L-1 Files in Client Subset

	decedi_api_def.h decedi_api_msgs.h decedi_platforms.h	API entry points API return values API platform specific
/usr/lib/nls/msg/en_US.88591	decedi_api.cat	Message Catalogue
/usr/lib	libdecediapi.so	Shareable link library
/usr/examples/decedi	api_exam.sh	Client example compilation shell script
	api_exam.c	Client programming example
	cli_exam.sh	Client sample shell script
	init_fetch.sh	Start import example
	crehdr_o.dat	TRADACOMS example application file
	invoic_o.dat	X12 eample application file
	minvox_o.dat	EDIFACT example application file
	minvox_o.ihf	EDIFACT DEC/EDI Inhouse file
	minvox_i.tx	Example transmission file
	minvox_i.tx_smtp	Example SMTP transmission
	systest.csh	System tests shell script
	o3desado.dat	ODETTE example application file
	e911inv1.dat	EDIFACT example application file
	e911inv2.dat	EDIFCAT example application file

Table L-2 Files in Man subset

/usr/opt/DEDI MAN400		Subdirectories where physical files reside. The files which precede this entry are mainly softlinks to files under this directory.
/usr/man/man1	trade.1	Reference page for Command Line Interface
/usr/man/man3	decedi_add_item_list.3	Reference page for Application Programming Interface
	decedi_free_item_list.3	Reference page for Application Programming Interface
	decedi_fetch.3	Reference page for Application Programming Interface
	decedi_post.3	Reference page for Application Programming Interface
	decedi_track.3	Reference page for Application Programming Interface
	decedi_free_track_list.3	Reference page for Application Programming Interface

Appendix M HP-UX Client - Directory and File Listing

Table M-1 Files in Client Subset

Directory	File	Description
/etc	setld	Utility to install DEC/EDI Client software
/usr/opt/DEDICLT400		Subdirectories where physicalfiles reside. The files which precede this entry are mainly softlinks to files under this directory.
/var/adm/decedi	decedi_servers.template	This file is the template file which contains the template for defining the server listing. Copy this file to decedi_servers.dat and enter all your server entries in it.
/usr/bin	trade	Command Line Interface
/usr/bin	decedi_config.sh	Shell script for TCP/IP configuration
/usr/doc	decediv40.release_notes	DEC/EDI Client Release Notes
/usr/include	decedi_api_common.h	API common values and structures

Table M-1 Files in Client Subset

	decedi_api_def.h decedi_api_msgs.h decedi_platforms.h	API entry points API return values API platform specific
/usr/lib/nls/msg/en_US.88591	decedi_api.cat	Message Catalogue
/usr/lib	libdecediapi.sl	Shareable link library
/usr/examples/decedi	api_exam.sh	Client example compilation shell script
	api_exam.c	Client programming example
	cli_exam.sh	Client sample shell script
	init_fetch.sh	Start import example
	crehdr_o.dat	TRADACOMS example application file
	invoic_o.dat	X12 eample application file
	minvox_o.dat	EDIFACT example application file
	minvox_o.ihf	EDIFACT DEC/EDI Inhouse file
	minvox_i.tx	Example transmission file
	minvox_i.tx_smtp	Example SMTP transmission
	systest.csh	System tests shell script
	o3desado.dat	ODETTE example application file
	e911inv1.dat	EDIFACT example application file
	e911inv2.dat	EDIFCAT example application file

Table M-2 Files in Man subset

/usr/opt/DEDI MAN400		Subdirectories where physical files reside. The files which precede this entry are mainly softlinks to files under this directory.
/usr/man/man1	trade.1	Reference page for Command Line Interface
/usr/man/man3	decedi_add_item_list.3	Reference page for Application Programming Interface
	decedi_free_item_list.3	Reference page for Application Programming Interface
	decedi_fetch.3	Reference page for Application Programming Interface
	decedi_post.3	Reference page for Application Programming Interface
	decedi_track.3	Reference page for Application Programming Interface
	decedi_free_track_list.3	Reference page for Application Programming Interface

Appendix N Redhat Linux Client - Directory and File Listing

Directory	File	Description
/usr/opt/DEDICLT400		Subdirectories where physicalfiles reside. The files which precede this entry are mainly softlinks to files under this directory.
/var/adm/decedi	decedi_servers.template	This file is the template file which contains the template for defining the server listing. Copy this file to decedi_servers.dat and enter all your server entries in it.
/usr/bin	trade	Command Line Interface
/usr/bin	decedi_config.sh	Shell script for TCP/IP configuration
/usr/doc	decediv40.release_notes	DEC/EDI Client Release Notes
/usr/include	decedi_api_common.h	API common values and structures
	decedi_api_def.h decedi_api_msgs.h decedi_platforms.h	API entry points API return values API platform specific
/usr/lib/nls/msg/ en_US.ISO8859-1	decedi_api.cat	Message Catalogue

Directory	File	Description
/usr/shlib	libdecediapi.so	Shareable link library
/usr/examples/decedi	api_exam.sh	Client example compilation shell script
	api_exam.c	Client programming example
	cli_exam.sh	Client sample shell script
	init_fetch.sh	Start import example
	crehdr_o.dat	TRADACOMS example application file
	invoic_o.dat	X12 eample application file
	minvox_o.dat	EDIFACT example application file
	minvox_o.ihf	EDIFACT DEC/EDI Inhouse file
	minvox_i.tx	Example transmission file
	minvox_i.tx_smtp	Example SMTP transmission
	systest.csh	System tests shell script
	o3desado.dat	ODETTE example application file
	e911inv1.dat	EDIFACT example application file
	e911inv2.dat	EDIFCAT example application file

/usr/opt/DEDIMAN400		Subdirectories where physical files reside. The files which precede this entry are mainly softlinks to files under this directory.
/usr/man/man1	trade.1	Reference page for Command Line Interface
/usr/man/man3	decedi_add_item_list.3	Reference page for Application Programming Interface
	decedi_free_item_list.3	Reference page for Application Programming Interface
	decedi_fetch.3	Reference page for Application Programming Interface
	decedi_post.3	Reference page for Application Programming Interface
	decedi_track.3	Reference page for Application Programming Interface
	decedi_free_track_list.3	Reference page for Application Programming Interface

Appendix O Windows NT/2000 Client - Directory and File Listing

Directory	File	Description
Compaq DEC EDI Application Client		Installation directory
	AtlEdiServer.dll	COM component
	decedi_servers.template	This file is the template file which contains the template for defining the server listing. Copy this file to decedi_servers.dat and enter all your server entries in it.
	crehdr_o.dat	TRADACOMS example application file
	invoic_o.dat	X12 eample application file
	minvox_o.dat	EDIFACT example application file
	minvox_o.ihf	EDIFACT DEC/EDI Inhouse file
	minvox_i.tx	Example transmission file
	minvox_i.tx_smtp	Example SMTP transmission
	o3desado.dat	ODETTE example application file

Directory	File	Description
	e911inv1.dat	EDIFACT example application file
	e911inv2.dat	EDIFCAT example application file
	Readme.txt	Readme file
	Trade.exe	Executable to launch GUI
	Trade.HLP	Help file
.\VB Samples		Directory where the VB sample source files are available
	EdiClient.vbp	VB project file
	PostFetch.frm	VB form
.\VC Samples		Directory where the VC sample source files are available
	ediclientformfc.cpp	VC source file
	ediclientformfc.dsw	VC Project Work space
	ediclientformfc.dsp	VC Project file

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