SYBASE®

Installation Guide

EDI Products

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Contents

About This Book

Audience

This document describes how to install the EDI products. The primary user of this document is the person responsible for the installation and configuration of the EDI products.

How to use this book

The guide is organized into the following chapters:

- Chapter 1, “Before You Begin” prepares for the installation of the EDI products.
- Chapter 2, “Installing ECMap” provides instructions to install ECMap and upgrade existing maps.
- Chapter 3, “Installing EC Gateway for Windows” provides instructions to install EC Gateway on Windows.
- Chapter 4, “Installing EC Gateway for UNIX” provides instructions to install EC Gateway on UNIX.
- Chapter 5, “Installing EC Gateway Remote” provides instructions to install EC Gateway Remote.
- Chapter 6, “Installing ODBC Drivers” provides instructions install and configure ODBC drivers for EC Gateway.
- Chapter 7, “Installing EC Gateway Operations Viewer” provides instructions to install the EC Gateway Operations Viewer.
- Chapter 8, “Installing ECRTP for Windows” provides instructions to install ECRTP on Windows
- Chapter 9, “Installing ECRTP for UNIX” provides instructions to install ECRTP on UNIX.
- Chapter 10, “Installing ECRTP/TP” provides instructions to install ECRTP/TP.

Related documents

The product documentation set ships with EDI:

- *EDI Products New Features Guide*
- *EDI Products Release Bulletin*
- *ECMap™ documentation*

    - *Getting Started*
    - *Reference Guide*
    - *User Guide*
- *ECRTP™ documentation*
    - *ECRTP Reference Guide*
- *EC Gateway™ documentation*
    - *EC Gateway Reference Guide for Windows*
    - *EC Gateway Reference Guide for UNIX*
- *Additional documentation*
    - *EC Gateway Operations Viewer Reference Guide*
    - *EC Gateway Remote Reference Guide*
    - *ECRTP/TP Reference Guide*
    - *Developers Guide for e-Adapter Development Kit*
    - *Adapter Runtime Environment for EDI Users Guide*
    - *DataDirect Connect for ODBC Reference Guide*
    - *DataDirect Connect for ODBC Installation Guide*
    - *DataDirect Connect for ODBC on UNIX README file*
    - *DataDirect Connect for ODBC on Windows README file*

Other sources of information

Use the Sybase Getting Started CD, the SyBooks Bookshelf CD, and the Sybase Product Manuals web site to learn more about your product:

- The Getting Started CD contains release bulletins and installation guides in PDF format, and may also contain other documents or updated information not included on the SyBooks Bookshelf CD. It is included with your software. To read or print documents on the Getting Started CD, you need Adobe Acrobat Reader, which you can download at no charge from the Adobe Web site using a link provided on the CD.
- The SyBooks Bookshelf CD is included with your software. It contains product manuals in a platform-independent bookshelf that contains fully searchable, HTML-based documentation.

  Some documentation is provided in PDF format, which you can access through the PDF directory on the SyBooks Bookshelf CD. To view the PDF files, you need Adobe Acrobat Reader.

Refer to the *README.txt* file on the SyBooks Bookshelf CD for instructions on installing and starting SyBooks.

- The Sybase Product Manuals Web site is the online version of the SyBooks Bookshelf CD that you can access using a standard Web browser. In addition to product manuals, you will find links to EBFs/Maintenance, Technical Documents, Case Management, Solved Cases, newsgroups, and the Sybase Developer Network.

  To access the Product Manuals Web site, go to Product Manuals at http://www.sybase.com/support/manuals/.

Sybase certifications on the web

Technical documentation at the Sybase Web site is updated frequently.

❖ **Finding the latest information on product certifications**

1. Point your Web browser to Technical Documents at http://www.sybase.com/support/techdocs/.
2. Select Products from the navigation bar on the left.
3. Select a product name from the product list and click Go.
4. Select the Certification Report filter, specify a time frame, and click Go.
5. Click a Certification Report title to display the report.

❖ **Creating a personalized view of the Sybase Web site (including support pages)**

Set up a MySybase profile. MySybase is a free service that allows you to create a personalized view of Sybase Web pages.

1. Point your web browser to Technical Documents at http://www.sybase.com/support/techdocs/.
2. Click MySybase and create a MySybase profile.

Sybase EBFs and software maintenance

❖ **Finding the latest information on EBFs and software maintenance**

1. Point your Web browser to the Sybase Support Page at http://www.sybase.com/support.
2. Select EBFs/Maintenance. If prompted, enter your MySybase user name and password.
3. Select a product.

4 Specify a time frame and click Go. A list of EBF/Maintenance releases is displayed.

   Padlock icons indicate that you do not have download authorization for certain EBF/Maintenance releases because you are not registered as a Technical Support Contact. If you have not registered, but have valid information provided by your Sybase representative or through your support contract, click Edit Roles to add the "Technical Support Contact" role to your MySybase profile.

5 Click the Info icon to display the EBF/Maintenance report, or click the product description to download the software.

Conventions

The formatting conventions used in this manual are:

Formatting example	To indicate
command names and method names	When used in descriptive text, this font indicates keywords such as: • Command names used in descriptive text • C++ and Java method or class names used in descriptive text • Java package names used in descriptive text
myCounter variable *Server*`.log` *myfile.txt* *User Guide*	Italic font indicates: • Program variables • Parts of input text that must be substituted • Directory and file names. • Book titles
sybase/bin	A forward slash ("/") indicates generic directory information. A backslash ("\") applies to Windows users only. Directory names appearing in text display in lowercase unless the system is case sensitive.
File > Save	Menu names and menu items are displayed in plain text. The angle bracket indicates how to navigate menu selections, such as from the File menu to the Save option.
`parse|put|get` `Name|Address`	The vertical bar indicates: • Options available within code • Delimiter within message examples

Formatting example	To indicate
	Monospace font indicates:
`create table`	• Information that you enter on a command line or as program text
`table created`	• Example output fragments

If you need help

Each Sybase installation that has purchased a support contract has one or more designated people who are authorized to contact Sybase Technical Support. If you cannot resolve a problem using the manuals or online help, please have the designated person contact Sybase Technical Support or the Sybase subsidiary in your area.

PART 1

Installation Requirements

This section describes the system requirements, supported platforms, and pre-installation tasks for the EDI Server products.

CHAPTER 1

Before You Begin

About this chapter

This chapter describes the system requirements, supported operating systems, databases, integration and transport servers, and pre-installation tasks required by EDI products.

Topics

This chapter includes the following topics

System requirements

Supported platforms

The following lists include the supported operating systems for the EDI products.

Windows products

- Windows Server 2003
- Windows XP
- Windows 2000

UNIX products

- Sun Solaris 2.6, 2.7, 2.8, and 2.9
- IBM AIX 5.1 and 5.2
- HP-UX 11i

Supported databases

The following list include the supported database systems for the EDI products.

- Microsoft SQL Server 2000
- Sybase ASE 12.5 or later
- Oracle 9i or later
- IBM DB2 UDB 7.1 or later

Note
If you plan to use IBM DB2, you must bind the ODBC driver to the database. Note that MS MDAC does not include a DB2 driver. For more information about binding, see the DataDirect ODBC documentation that will be installed with the ODBC drivers or IBM ODBC driver documentation.

- Microsoft Access 2000 or later

Note
MS Access is not supported for a production environment.

Additional requirements

The following sections describe product-specific requirements.

Requirements for ECMap

Disk space

Disk space requirements for ECMap:

- 100 MB for executables and libraries
- 100 MB all bundled standards (1–5 MB per standard)
- 1–10 MB per map
- 10 MB for log/trace files (size must be controlled by user)

Memory

Memory requirements for ECMap:

- 16 MB (additional RAM improves performance)

Crystal Reports issue

If you are currently using Crystal Reports, you may encounter a conflict between the version you have installed and Version 8, which ECMap uses for its report writer. If you experience problems, contact our Help Desk for instructions on how to resolve the conflict.

ODBC drivers

During installation, ECMap installs three Microsoft ODBC drivers—Dbase, Paradox, and Access. (If ECMap finds an existing but older driver with the same name, it installs the newer driver over the older driver. If ECMap finds an existing but newer driver, it does not install the older driver.)

Requirements for EC Gateway

Disk Space

Disk space requirements:

- 26 MB for executables and shared libraries
- 1-10 MB per map
- 100 MB for log files (size must be controlled by user)

Memory

Memory requirements:

- 128 MB (additional RAM improves performance)

Other requirements

- For asynchronous communications, a configured modem supported by the Windows environment (Optional).
- A TCP/IP network connection supported by the Windows environment for FTP communications.
- DataDirect Technologies ODBC Drivers version 5.0 (available through Sybase) if you are connecting to an ODBC-compliant database on UNIX.

Requirements for ECRTP

Disk space:

1 MB for executable and DLL (Windows); 1 MB for executable, shared library, and static archive (UNIX)

1-10 MB per map

10 MB for log files (size must be controlled by user)

Memory

64 MB (additional RAM will improve performance)

Note
Multiple copies of ECRTP can run simultaneously on UNIX. As a rule of thumb, you should estimate 1.5 MB of memory per process.

Other Requirements

For logging, you can use either:

- An ODBC-compliant database that supports auto-increment fields
- An expanded text file

For trade partner information, you can use either:

- An ODBC-compliant database that supports auto-increment fields
- An ECRTP dBase III database embedded in ECMap, ECRTP, and EC Gateway

For database access through SQL commands in your map, you must use an ODBC-compliant database. For information about supported ODBC databases, see “Supported databases” on page 4

Server support

Integration Server Support

EDI Server is compatible with the following integration servers:

- e-Biz Integrator, versions 3.2, 3.6, and 3.9
- MQSeries Integrator, version 2.0.2
- e-Biz 2000, version 3.4.1
- WebSphere MQ Integrator, version 2.1

Transport Support

EDI Server uses Open Transport (OT). OT supports the following transports:

- IBM MQSeries
- Microsoft MSMQ
- Enhanced Messaging and Queuing (EMQ)
- e-Biz 2000
- Flat File

Server settings

The table below provides information that you need when setting up your configuration files. To select configuration keys for your configuration files, you should know the driver, schema loader, and serializer that is used with your integration server.

Integration server	Driver	Schema loader	Serializer
MQSI 2.0.2	MQSeries (use RFH2)	NNT54 SchemaLoader	NCFSerializer XMLSerializer
e-Biz Integrator 3.6	EMQ MQSeries (use RFH2) MSMQ File	NNT54 SchemaLoader	NCFSerializer XMLSerializer
e-Biz 2000 3.4.1	e-Biz 2000	eBizSchemaPlugin	XMLSerializer

Backing up application data

Before you install a new version of any of the EDI products, you need to back up your existing data. That includes projects and maps for ECMap as well as EC Gateway scripts, executables, and data directories.

Backing up ECMap data

1 Highlight a map to copy on the Map selection window. (Refer to the *ECMap User Guide* for detailed instructions on selecting a map.)

2 Select Options > Map Copy.

3 On the Copy Map window, click This Map to Directory.

4 In the Directory textbox on the Copy Map window, enter the full path to the directory in which the backup maps will be stored. (Users often create a backup directory containing subdirectories for each current project. The backup maps are then copied to the appropriate *backup*\<*project*> directory).

5 Click Run.

6 Continue to select and copy maps until you have backed up all of your current maps.

7 If you are upgrading from a version prior to ECMap 2.1, copy the thirteen files (which contain information about all of your projects) from your current installation directory to a backup directory:

mproject.db	*mproject.ygo*	*mtable.val*
mproject.mb	*mtable.db*	*mxref.db*
mproject.px	*mtable.mb*	*mxref.px*
mproject.val	*mtable.px*	*mxref.val*
mproject.xgo		

Beginning with ECMap 2.1, project information is no longer saved in this particular file structure, but instead it is stored in separate tables in a single database. However, during an upgrade, the program needs the information in these files to populate the mproject, mtable, and mxref tables in the new projects.mdb database. You need these thirteen files if for any reason you needed to revert to your current version of the software.

If you are upgrading from ECMap 2.1 or later, copy the current projects.mdb database to a backup directory. You would need the tables in this database if for any reason you needed to revert to your current version of the software.

Backing up EC Gateway data

If you are upgrading your EC Gateway, back up your executables and data in a backup directory before you begin your installation.

Back up all databases, custom schedule scripts, FTP scripts, pfs/Async scripts, ini files, and process scripts. This protects your EC Gateway should a difficulty occur during the upgrade installation.

If your EC Gateway is resident in the default directory …*ecedigs*, you can use Windows Explorer or an MSDOS command to save the entire contents of *ecedigs* to a backup directory within *ecedigs*:

```
<drive>\ecedigs\backup
```

One of the most significant files to back up is *eeserver.mdb*. This file contains data controlling the operation of your scripts.

If your data is stored in a directory other than the default, on the same or other machines, back up the databases holding the data. All data used by EC Gateway should be backed up. Your system administrator should also back up the EC Gateway executables.

Note If you are upgrading to Distinct version 5.1, and if you have an older version of Distinct VIT RunTime, delete the old version before you begin EC Gateway installation.

PART 2

Installing ECMap

This section describes how to install ECMap and its components.

CHAPTER 2

Installing ECMap

About this chapter

This chapter describes the instructions on installing ECMap.

Topics

Understanding the Versions of ECMap

There are two versions of ECMap:

- ECMap (SV) corresponds to a “full” version
- ECMap (AV) roughly corresponds to a “lite” version

Either version can be installed on a standalone PC or on a network server.

Standalone installation

If you are installing ECMap on a standalone PC, make one installation of either the ECMap (AV), or ECMap (SV) product using the appropriate key code.

Network installation

If you are installing ECMap on a network server, you must also install the ECMap Network Client software individually on each PC that will be used to access ECMap using the ECMap Network Client key code.

Adapter Runtime Environment component

If you need to run ECMap in conjunction with EC Gateway, e-Biz Integrator, or e-Biz 2000, you need to install an optional component, the ARE (Adapter Runtime Environment).

Installing ECMap

❖ **Installing ECMap for Windows**

1 Place the CD in the CD-ROM drive and run *setup.exe* from the root directory

   The Welcome Screen appears.

2 Follow the screen prompts to complete the install. You will provide the following information:

   - Country information
   - Read and accept the license agreement
   - Enter the product key supplied on the Installation Key document
   - Confirm the installation path for the product, or select a different path for the installation to use. For ECMap, the default is *C:\Program Files\Sybase*
   - Select the components to install. For ECMap, the components include:
     - ECMap

- Standards
- ARE for Windows 3.9

- Confirm or change the folder in which program icons will be created

3 Reboot your system to finish the installation process.

Installing ECMap Network Client on a Client PC

Before you begin

Before you install the ECMap Network Client, you must first perform the following tasks

On the server

- Share the ECMap installation folder (for example, *C:\Program Files\Sybase\ECMap*).
- Use the ECMap User Administration to set up a new user by:
  - Specifying a new User ID and password
  - Create a Private Directory for the new user (for example, *C:\ECMapNetLogin*)

On the Client

- Map a network drive to that shared folder on the ECMap server.
- Create the same folder as was created on the Private Directory tab of the server version of ECMap (*C:\ECMapNetLogin* in this example). Once the client PC's directory is created, install the Network Install by following these directions:

❖ **Installing ECMap Client for Windows**

1 Place the CD in the CD-ROM drive and run *setup.exe* from the root directory

The Welcome Screen appears.

2 Follow the screen prompts to complete the install. You will provide the following information:

- Country information
- Read and accept the license agreement
- Enter the product key supplied on the Installation Key document
- Select the installation path for the product. This must be the directory which is mapped to the ECMap server installation.
- Confirm or change the folder in which program icons will be created

3 Reboot your system to finish the installation process.

Once the client machine has rebooted, you can log into ECMap using the User ID and password set up by the ECMap Administrator.

Upgrading maps

Before you can use any of your existing maps, you must upgrade them to the current version of ECMap.

❖ **Upgrading your maps**

1 Open the Map window in ECMap and select the map to be upgraded.

Each time that you select a map that has not already been upgraded, an error window displays the message “Please run the update database option”.

2 Select Utilities>Update Database structures, and the program automatically updates the database structure for the selected map.

You must perform this step for each map that needs to be updated.

After you have updated the database structures for all of your maps, regenerate the maps. For information on updating and generating maps, see the *ECMap User Guide*.

PART 3

Installing EC Gateway

This section describes how to install EC Gateway and its components.

CHAPTER 3

Installing EC Gateway for Windows

About this chapter

This chapter provides instructions for installing EC Gateway on Windows.

Topics

Installing EC Gateway

The EC Gateway installation is included on your CD. The user performing the installation must be logged in with administrative rights so that path alterations can be made during the setup process.

Warning! Do not install EC Gateway on a network server. Also, if you use McAfee VirusScan Vshield, disable this program or the Scheduler will not install.

❖ **Installing EC Gateway for Windows**

1 Place the CD in the CD-ROM drive and run *setup.exe* from the root directory

The Welcome Screen appears.

2 Follow the screen prompts to complete the install. You will provide the following information:

- Country information
- Read and accept the license agreement
- Enter the product key supplied on the Installation Key document

- Confirm the installation path for the product, or select a different path for the installation to use. For EC Gateway, the default is *C:\ecedigs*
- Confirm or change the folder in which program icons will be created

3 Reboot your system to finish the installation process.

Installing Active X controls

To use FTP communications, you must install Active X controls from Distinct Corporation which are available in the Distinct directory on the product CD.

The Distinct VIT runtime provides TCP/IP extensions to the Microsoft Windows environment, which the EC Gateway requires for FTP operations. The current version of the Active X control is version 5.1.

❖ **Installing Active X controls**

1 Place the CD in the CD-ROM drive and run *EXVIT51RT.EXE*, from the Distinct directory.

2 When the InstallShield self-extracting EXE window appears, click Yes to continue.

The Welcome screen displays

3 Follow the screen prompts to complete the install. You will provide the following information:

- Read and accept the license agreement
- Provide User Name, Company Name, E-Mail, Phone, and Fax information on the Registration screen.
- Enter the serial number and product key code supplied with the product.
- Select the installation path for the product.

Note
You may see message windows telling you that several DLLs need to be replaced with newer versions so that Distinct Active X control can function properly. Click Yes to overwrite these files with the proper version, which ensures correct operation of FTP communications.

4 Reboot your system to finish the installation process.

Configuring ODBC on the Windows server

If you see the error message "ODBC DSN 'ECEDIGS' need to be defined for *eeserver.mdb* in the install directory," you must configure ODBC before proceeding.

1 Display the Microsoft ODBC Administrator.

The ODBC Data Source Administrator window displays.

2 In the ODBC Data Source Administrator, select the System DSN tab. Click Add.

3 The Create New Data Source window appears. Select the appropriate driver, then click Finish.

Note The initial configuration database that has to exist (ECEDIGS) is a Microsoft Access database shipped with EC Gateway.

4 When the ODBC Microsoft Access Setup (Access 97 or 2000) window appears, enter ECEDIGS into the Data Source Name text box. Enter EC Gateway Configuration DB in the Description text box. Click Select.

5 After you click Select, navigate to the directory where the EC Gateway is installed (the default is *C:\ECEDIGS*). Select *EESERVER.MDB*, then click OK.

6 You return to ODBC Microsoft Access Setup window. Click OK.

7 You return to the ODBC Data Source Administrator window. You should now see ECEDIGS under the System Data Sources list. Click OK. The configuration database DSN is now configured for the EC Gateway.

CHAPTER 4

Installing EC Gateway for UNIX

About this chapter

This chapter provides instructions for installing EC Gateway on UNIX.

Topics

Installing EC Gateway

EC Gateway is installed on two computers. One computer supports the Windows platform and the other computer supports the UNIX operating system. You develop, set up, and maintain EC Gateway on the Windows platform, using a graphical user interface. A UNIX machine performs the runtime execution.

You must install four sets of products in separate installations:

1 Windows component of EC Gateway for UNIX

2 Distinct Corporation's Active X controls for FTP communication on Windows

3 UNIX portion of EC Gateway

4 DataDirect Connect for ODBC driver application on UNIX (including verification of connection to ODBC database)

Administrative permissions required to install
The user performing the installation must be logged in with administrative rights.

Installing EC Gateway for UNIX

❖ **Installing EC Gateway for UNIX components on Windows**

1 Place the CD in the CD-ROM drive and run setup.exe from the root directory

The Welcome Screen appears.

2 Follow the screen prompts to complete the install. You will provide the following information:

- Country information
- Read and accept the license agreement
- Enter the product key supplied on the Installation Key document
- Confirm the installation path for the product, or select a different path for the installation to use. For EC Gateway, the default is *C:\ecedigs*. Always install EC Gateway for UNIX to a directory name that contains no spaces.
- Confirm or change the folder in which program icons will be created

3 Reboot your system to finish the installation process.

Installing Distinct Corp. Active X controls

After EC Gateway for UNIX has been installed on Windows, you can install the Active X controls from Distinct Corporation that allow you to use FTP communications. Follow the steps described in “Installing Active X controls” on page 20.

Transferring files to the UNIX server

The EC Gateway for UNIX installation installs the UNIX components on the Windows server. To complete the setup, you must transfer the files to the UNIX server.

❖ **Transferring EC Gateway files to the UNIX server**

1 Determine where the files are located on your PC. The default path for the UNIX components is:

- IBM AIX components – *C:\ecedigs\IBM*

- Sun components – *C:\ecedigs\Sun*
- HP 11.x components – *C: \ecedigs\HP*

2 Run FTP and set the source directory to one of the above directories.

3 Set FTP to binary mode.

4 Select the destination directory to be where you plan to run the UNIX EC Gateway.

5 Transfer these files to the destination directory:

- *wsproces*
- *wsocksvr*
- *wsocclnt*
- *schedd*
- *libsafepwd.so* (IBM AIX and Sun Solaris only)
- *wsproces.so* (IBM AIX and Sun Solaris only)
- *libsafepwd.sl* (HP-UX only)
- *wsproces.sl* (HP-UX only)

6 After you transfer the files, verify that the executables and shared libraries names are in lowercase on the UNIX server.

7 If you plan to use the PutMessage or GetMessage EC Gateway commands with MQSeries installed on the same server, also transfer the *libMQSWrap* file. *libMQSWrap* has different file extensions depending on the UNIX operating system you have selected:

- *libMQSWrap.sl* (HP-UX)
- *libMQSWrap.so* (Sun Solaris and IBM-AIX)

8 Apply the UNIX chmod 777 command to these executables and shared libraries to allow them to run.

9 Transfer the following files to the appropriate man page directory:

- *wsproces.l*
- *wsocksvr.l*
- *wsocclnt.l*
- *schedd.l*

10 Set FTP to text mode.

11 Transfer *GENERIC.INI* to the UNIX server, in the same directory as the *wsocksvr* program.

12 Verify that *GENERIC.INI* stayed in uppercase letters on the UNIX server.

13 Close FTP.

The ECRTP executable for UNIX is installed in a separate process that is documented in Chapter 9, “Installing ECRTP for UNIX.”

After installing EC Gateway UNIX components, you can install and check the DataDirect Technologies ODBC drivers.

Installing and checking the ODBC drivers

To install and then check DataDirect Technologies ODBC drivers on your UNIX processor, see Chapter 6, “Installing ODBC Drivers,”

Configuring ODBC on the Windows server

To configure an ODBC database, follow the steps in “Configuring ODBC on the Windows server” on page 21.

CHAPTER 5

Installing EC Gateway Remote

About this chapter

This chapter provides instructions for installing EC Gateway Remote.

Topics

What is EC Gateway Remote?

EC Gateway Remote is a remote server that responds to commands from the EC Gateway operating as a client. EC Gateway uses the ExecuteRemoteProcess command to direct EC Gateway Remote to run one of its own scripts. EC Gateway Remote executes its script without further interaction with EC Gateway. After the script is completed, EC Gateway continues to listen on its designated port waiting for further ExecuteRemoteProcess commands from EC Gateway.

The communications flow is a unidirectional flow of ExecuteRemoteProcess commands from EC Gateway to EC Gateway Remote. Each command is a component of an EC Gateway process script. The command includes the name of the process script on EC Gateway, the IP address of the machine where EC Gateway Remote is resident, and the port number of the EC Gateway Remote application. EC Gateway Remote receives the command, locates the referenced script file and executes the script.

EC Gateway Remote and its process scripts are installed on the remote machine. Starting the socket server starts EC Gateway Remote.

Installing EC Gateway Remote

Sybase recommends that you install the EC Gateway Remote in *C:\ECEDIGS\ECRemote\<version name>*.

❖ **Installing EC Gateway Remote for Windows**

1 Place the CD in the CD-ROM drive and run setup.exe from the root directory

The Welcome Screen appears.

2 Follow the screen prompts to complete the install. You will provide the following information:

- Country information
- Read and accept the license agreement
- Enter the product key supplied on the Installation Key document

- Confirm the installation path for the product, or select a different path for the installation to use. For EC Gateway, the default is *C:\ecedigs*, which installs the program in *C:\ECEDIGS\ECRemote\<version name>*
- Confirm or change the folder in which program icons will be created

3 Reboot your system to finish the installation process.

Your EC Gateway Remote application is installed. Proceed to the additional steps listed below for your operating system.

Finishing the installation on Windows

The installation wizard places EC Gateway Remote for a Windows-based PC in the default directory *C:\ECEDIGS\ECRemote\Windows*. EC Gateway Remote for Windows is always installed to operate with ECRTP.

This directory contains the files *wsproces.exe*, *wsocksvr.exe*, *wsocclnt.exe*, *GENERIC.INI*, *readme.txt*, *updrunid.dll*, and *ntsocksvr.exe*.

❖ **To install EC Gateway Remote to run with ECRTP:**

1 Copy the files under the directory to a directory on the remote UNIX machine.

2 Purchase the ECRTP *OWRM32C.DLL* separately and place it in the same directory to which you copied the executables above or in a directory that is in the path.

Finishing the installation on a UNIX platform

EC Gateway Remote can be installed on one of three UNIX platforms based on your key code—HP, IBM, or Sun.

EC Gateway Remote code was developed to work with DataDirect Technologies ODBC drivers. Drivers are available for HP, IBM, and Sun. DataDirect Connect for ODBC UNIX Release 5.0 is supported.

The installation CD creates a directory for a selected UNIX platform. The default path of each directory is listed below:

- For HP UNIX, the directory is *C:\ECEDIGS\ECRemote\HP*.
- For SUN UNIX, the directory is *C:\ECEDIGS\ECRemote\Sun*.

- For IBM AIX, the directory is *C:\ECEDIGS\ECRemote\IBM*.

The content of these directories reflects your choice of with or without RTP. The appropriate files for implementing this choice have been placed in the directory by the installation CD. All of these directories contain software that is ODBC-capable.

Each of these directories contain these files:

- *wsproces*
- *wsocksvr*
- *wsocclnt*
- *GENERIC.INI*
- *readme.txt*
- *libsafepwd.so*, *wsprocess.so*, and *libMQSWrap.so* (Sun Solaris and IBM AIX only)
- *libsafepwd.sl*, *wsprocess.sl*, and *libMQSWrap.sl* (HP-UX only)

Use the instructions below for processing the contents of these directories.

❖ Installing EC Gateway Remote on UNIX

1. Copy or FTP files installed on the PC from the CD to the UNIX directory where you are installing EC Gateway Remote.
2. Use the UNIX chmod command to change the mode of the three *ws* files (*wsocclnt*, *wsocksvr*, and *wsproces*) to either +x to give execute-only privileges to all or 777 to give full (read-write-execute) privileges to all. We recommend that you grant execute-only privileges (+x).
3. Using a text editor, edit the *GENERIC.INI* file and select an appropriate TCP/IP port number for the script file processor port on the remote UNIX machine. In general, ports above 1024 are available for use by EC Gateway Remote. Save the file.
4. Using a text editor, add WSPATH to your *.profile*. Ensure that WSPATH is exported so that the UNIX getenv function returns the correct path for EC Gateway Remote. Enter:

```
WSPATH=<path containing wsocksvr> :export WSPATH
```

Note The path name must end with a slash.

5 Log back in to the remote UNIX machine. This ensures that the path variable is set correctly.

6 Start the socket listener by invoking the *wsocksvr* application.

CHAPTER 6

Installing ODBC Drivers

About this chapter

This chapter provides instructions for installing the ODBC Drivers used by the EC Gateway and ECRTP.

Topics

Note ODBC drivers can be installed with the ECRTP and the EC Gateway programs. The ODBC driver installation is the same for both.

Installing the ODBC drivers

If you purchased DataDirect Technologies drivers from Sybase, you first install the driver files onto a Windows PC, then transfer them to the UNIX server, where you can configure them.

You can find information about DataDirect Technologies ODBC driver installation and configuration from the following sources:

- DataDirect Technologies online product documentation is available at the DataDirect Web site at http://www.datadirect.com/techres/odbcproddoc/index.ssp.
- The *DataDirect Technologies Connect ODBC Drivers Install Guide*, *DataDirect Technologies Connect ODBC Drivers Reference*, and the associated *READ.ME* file are available on the Sybase Technical Library CD.

Note Even if you installed the DataDirect Technologies drivers for an earlier release of EC Gateway, you must reinstall them for this release because of password branding changes. When you reinstall the DataDirect drivers, you do not need to uninstall the older DataDirect drivers first. If you purchased the DataDirect drivers from DataDirect, reinstalling the drivers is not necessary.

Installing the ODBC drivers on Windows

Before you can install the ODBC drivers on UNIX, you must run the Windows installation. The installation program installs the drivers in a compressed tar file on your PC, which can then be transferred to the UNIX server.

❖ **Installing the ODBC drivers on Windows**

1 Place the CD in the CD-ROM drive and run *setup.exe* from the root directory

The Welcome Screen appears.

2 Follow the screen prompts to complete the install. You will provide the following information:

- Country information
- Read and accept the license agreement
- Enter the product key supplied on the Installation Key document

- Select the installation path for the product. The default is *C:\Program Files\Sybase*
- Confirm or change the folder in which program icons will be created

3 Reboot your system to finish the installation process.

Transferring the ODBC drivers to the UNIX server

After you have copied the ODBC driver files to the Windows PC, you must transfer them to the UNIX server.

❖ **Transferring the ODBC drivers to the UNIX server**

1 Use a transfer protocol such as FTP to transfer the following ODBC driver file from the Windows PC to the UNIX server for your UNIX operating system:

- HP-UX: *NNhp11.tar.Z*
- IBM AIX: *NNaix.tar.Z*
- Sun Solaris: *NNsol.tar.Z*

2 Change to the directory where you transferred the driver file:

```
cd <directory to which ODBC driver file was
transferred>
```

3 Uncompress command to uncompress the tar file:

- HP-UX: `uncompress NNhp11.tar.Z`
- IBM AIX: `uncompress NNaix.tar.Z`
- Sun Solaris: `uncompress NNsol.tar.Z`

4 Use the tar command to extract the files and directories included in the *.tar* file:

- HP-UX: `tar xvf NNhp11.tar`
- IBM AIX: `tar xvf NNaix.tar`
- Sun Solaris: `tar xvf NNsol.tar`

❖ **Installing the ODBC drivers on UNIX**

- Use the following command to install the ODBC drivers:

```
ksh unixmi.ksh
```

You can install the entire pack of drivers or only one driver at a time. If you do not install the entire pack of drivers, you should install the driver for dBase in addition to the driver that you will be using to connect to your database. The dBase program includes two files that you can use to test whether you have correctly installed and configured your ODBC drivers.

Configuring the ODBC drivers

Under the default ODBC driver installation directory (*/opt/odbc*), there is an *odbc.ini* file with sample DSN entries. Modify this file to assign a DSN name to your ODBC database. In your *.profile*, assign ODBCINI to point to the *odbc.ini* file. For example, if you used the default installation directory, you would use:

```
ODBCINI=/opt/odbc/odbc.ini; export ODBCINI
```

The UNIX shared library path must include the ODBC shared library directory (*/opt/odbc/lib*). This is the directory containing the ODBC drivers. The UNIX shared library path variable depends on your UNIX operating system.

Table 6-1:

UNIX Operating System Name	Shared Library Path Name
HP-UX	SHLIB_PATH
IBM AIX	LIBPATH
Sun Solaris	LD_LIBRARY_PATH

For Bourne shell users, append the script */opt/odbc/odbc.sh* to your *.profile*. For "C" shell users, append the script */opt/odbc/odbc.csh* to your *.profile*. These scripts will set additional required environment variables needed by the ODBC drivers.

Testing the ODBC driver installation and configuration

1 Use the # env | more command to perform a visual check on the following environment variables:

Environment variable	Description
ODBCINI	Must exist and must define the full-path filename of the *odbc.ini* file, just as you set it up in the configuration procedure described above. For example, if you used the default installation directory, you should see: *ODBCINI=/opt/odbc/odbc.ini*. The file *odbc.ini* (defined by ODBCINI) should also exist. To check for its existence, go to the directory specified in ODBCINI and make sure that *odbc.ini* exists in that directory. If it does not exist, you must create it.
HP-UX: SHLIB_PATHIBM AIX: LIBPATH Sun Solaris: LD_LIBRARY_PATH	Must contain the *<DataDirect ODBC driver installation directory/lib>* directory.

2 Use the # cat $ODBCINI | more command to perform a visual check on the *odbc.ini* file. Check the DSN definition to make sure that it points to the driver library for your ODBC database and that the ServerName points to your ODBC database.

3 Test the connection to the database in two ways. First, use the dBase driver and test data provided on the installation CD. If this is working correctly, create and use test data with the ODBC driver for your specific type of ODBC database. The tests will confirm that you can connect to the database and retrieve data from it.

Test using the dBase driver

The dBase demo database has two files in the *<ODBC driver installation directory>/demo* directory—*EMP.DBF* and *EMP.DBT*. Use the command # ./demoodbc dBase. If you have correctly installed and configured your drivers, output should display on the window. If there is a problem, check the error message and fix the problem.

Test using the driver for your ODBC database

In the <*ODBC driver installation directory*>/*demo* directory, there are SQL scripts that you can use to create tables for each specific type of database—for example, *emporacle.sql* and *empinformix.sql*. Run the appropriate SQL script to create a demo table for your specific database and insert the test data. For example, if you are using an Oracle database, use a command similar to the following to run the *demoodbc* program against your database:

```
# ./demoodbc Oracle8 –uid<username> -pwd<password>
```

The same output that displayed on the window using the dBase driver should also display when you use your database driver (because you are using the same test data).

If the driver does not work, the problem may be in the driver's configuration or in the database's configuration. If you cannot make the connection, you may need to ask your database administrator (DBA) to verify or fix something for you. For example, for Oracle8, the ServerName should have an entry in both the *tsnames.ora* file and the *listener.ora* file. Both the database and the listener must be running. Your DBA would have to verify that these are true.

If you have properly installed and tested the EC Gateway software and the DataDirect Technologies ODBC drivers, you are ready to begin using EC Gateway in a production mode.

CHAPTER 7

Installing EC Gateway Operations Viewer

About this chapter

This chapter provides instructions on installing the EC Gateway Operations Viewer.

Topics

Installing the EC Gateway Operations Viewer

Sybase recommends that you install the EC Gateway Operations Viewer in *C:\ecedigc*.

❖ **Installing EC Gateway Operations Viewer**

1 Place the CD in the CD-ROM drive and run setup.exe from the root directory

The Welcome Screen appears.

2 Follow the screen prompts to complete the install. You will provide the following information:

- Country information
- Read and accept the license agreement
- Enter the product key supplied on the Installation Key document
- Confirm the installation path for the product, or select a different path for the installation to use. For EC Gateway Operations Viewer, the default is *C:\ecedigc*
- Confirm or change the folder in which program icons will be created

3 Reboot your system to finish the installation process.

PART 4

Installing ECRTP

This section describes how to install ECRTP and its components on Windows and UNIX.

CHAPTER 8

Installing ECRTP for Windows

About this chapter

This chapter provides information on installing ECRTP for Windows.

Topics

Product Versions of ECRTP for Windows

ECRTP for Windows can be installed either as an executable file or as a DLL. Both versions of the product are available on the Sybase EDI Products installation CD. Depending upon how you intend to use the product, we recommend that you install either the executable file or the DLL - but not both.

Installing ECRTP for Windows

❖ **Installing ECRTP**

1 Place the CD in the CD-ROM drive and run *setup.exe* from the root directory

The Welcome Screen appears.

2 Follow the screen prompts to complete the install. You will provide the following information:

- Country information
- Read and accept the license agreement
- Enter the product key supplied on the Installation Key document

A message box prompts you for the following information:

```
Are you installing ECRTP for EC Gateway?
```

3 Select **Yes** to install ECRTP for EC Gateway, Select **No** to install ECRTP as a standalone product.

To install ECRTP for EC Gateway provide the following information:

- Confirm the installation path for the product, or select a different path for the installation to use. When you install ECRTP for EC Gateway, the default is *C:\ECEDIGS*

To install a standalone version ECRTP provide the following information:

- Confirm the installation path for the product, or select a different path for the installation to use. For ECRTP, the default is *C:\Program Files\Sybase*
- Select the components to install. For ECRTP, the components include:

- ECRTP
- ARE for Windows 3.9

- Confirm or change the folder in which program icons will be created

4 Reboot your system to finish the installation process.

CHAPTER 9

Installing ECRTP for UNIX

About this chapter

This chapter provides instruction on installing ECRTP for UNIX.

Topics

This chapter includes the following information.

Overview

Preparing for Installation

You must install ECRTP on a Windows PC and then transfer the files to the UNIX server. If you are installing the ODBC executable file, you must also install Direct Connect for ODBC Release 5.0. These drivers can be purchased from Sybase and bundled with ECRTP on the installation CD, or they can be purchased directly from DataDirect Technologies. If you purchase the DataDirect Technologies drivers from Sybase, they are included on the installation CD with a separate key code. Like ECRTP, the DataDirect Technologies drivers must first be installed on a Windows PC and then transferred to the UNIX server.

Installing ECRTP for UNIX

❖ **Installing ECRTP for Unix**

1 Place the CD in the CD-ROM drive and run setup.exe from the root directory

The Welcome Screen appears.

2 Follow the screen prompts to complete the install. You will provide the following information:

- Country information
- Read and accept the license agreement
- Enter the product key supplied on the Installation Key document
- Confirm the installation path for the product, or select a different path for the installation to use. For ECRTP, the default is *C:\Program Files\Sybase*

3 Reboot your system to finish the installation process.

Transferring the ECRTP Files to the UNIX Server

Because the ECRTP files are binary files, you must transfer them from the Windows PC to the UNIX server using the binary transfer mode. You can use any transfer protocol that supports a binary transfer.

To copy the appropriate executables to a UNIX server, follow these steps:

1 Open Windows Explorer.

2 Open c:\Program Files\Sybase\

The ECRTP for UNIX files are installed in a platform-specific directory on your system. The directories are:

- SUN ECRTP
- HP ECRTP
- IBM ECRTP

Under each directory are these subdirectories:

- NON ODBC
- ODBC
- Shared Libraries
- Shared Libraries ODBC
- Static Archives

If you need ODBC capability, such as:

- Plan to use the SQL database access commands in ECMap or ECRTP
- Use an ODBC database for Trading Partner information
- Use ODBC database for ECRTP's logging information

You need to install the DataDirect ODBC Drivers separately as covered in Chapter 6, "Installing ODBC Drivers."

Note Even if you installed the DataDirect drivers for an earlier release of ECRTP, you must re-install them for this release because of password branding changes. When you re-install the DataDirect drivers, you do not need to uninstall the older DataDirect drivers first. If you purchased the drivers from DataDirect, re-installing the drivers is not necessary.

Use a shared library version of ECRTP if you want it to be linked dynamically at runtime with your program. Use the static archive version of ECRTP if you want it to be linked at compile time.

3 Use ftp with binary to send the contents of the appropriate directory to a UNIX server directory. The destination directory is arbitrary. Normally you copy executables to a directory in your PATH and the shared libraries in the shared library path.

4 After you have transferred the files, do one the following based on the product version that you are installing:

ODBC and Non-ODBC Executable Files

If you are installing the ODBC executable file, you must change it to an executable file on the UNIX server and assign privileges associated with the file. For example, you could enter the following command on the UNIX server:

```
chmod 755 rmapout
```

This particular command allows the user to have read, write, and execute privileges for the ECRTP executable file, but gives all others only read and execute privileges. If you prefer to use a different configuration of privileges, you can change 755 to a different value.

Before proceeding, use the following command to verify the existence of the executable file and the associated privileges that you assigned:

```
ls -l
```

This command lists the files and all associated privileges. If the executable file does not exist or the privileges are incorrect, repeat the earlier steps to correct the error. If the file does exist and the privileges are correct, make sure that the directory containing the executable file is in the normal path. Once you have done this, you need to link rmapout to mapinrun by typing:

```
ln -s rmapout mapinrun
```

Now you are ready to use ECRTP in a production mode.

Shared Library and Static Archive Files

If you are installing the shared library or static archive files, make sure that the directory in which the files are placed is in the UNIX shared library path on the UNIX server. The name of the shared library path depends on your UNIX operating system:

UNIX Operating System Name	Shared Library Path Name
HP-UX	SHLIB_PATH
IBM AIX	LIBPATH
Sun Solaris	LD_LIBRARY_PATH

Once you have done this, you are ready to use ECRTP in a production mode.

CHAPTER 10

Installing ECRTP/TP

About this chapter

This chapter provides instructions for installing ECRTP/TP:

Topics

Overview

During installation, the program installs three Microsoft version ODBC drivers – Dbase, Paradox, and Access. (If the program finds an existing but older driver with the same name, it installs the newer driver over the older driver. If the program finds an existing but newer driver, it does not install the older driver.)

Installing ECRTP/TP

This section tells you how to install ECRTP/TP from the EDI Product CD.

❖ **To install ECRTP/TP:**

1 Place the CD in the CD-ROM drive and run setup.exe from the root directory

The Welcome Screen appears.

2 Follow the screen prompts to complete the install. You will provide the following information:

- Country information
- Read and accept the license agreement
- Enter the product key supplied on the Installation Key document
- Confirm the installation path for the product, or select a different path for the installation to use. For ECRTP, the default is *C:\Program Files\Sybase*

3 Reboot your system to finish the installation process.

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