

SYBASE®

Installation Guide

EDI Products

5.1

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About This Book

Audience

This guide is intended for customers who are installing and using Sybase® EDI Products version 5.1. The primary user of this guide is the person responsible for the installation and configuration of EDI Products.

How to use this book

This guide describes the system requirements and installation instructions for all the components in EDI Products 5.1.

This guide is organized into these chapters:

- Chapter 1, “Before You Begin” provides information to prepare you to install EDI Products, including product licensing using Sybase Software Asset Management (SySAM).
- Chapter 2, “Installing ECMAP” provides instructions for installing ECMAP™ and upgrading existing maps.
- Chapter 3, “Installing ECMAP Debugger” provides instructions for installing ECMAP Debugger.
- Chapter 4, “Installing EC Gateway for Windows” provides instructions for installing EC Gateway™ on Windows.
- Chapter 5, “Installing EC Gateway for UNIX” provides instructions for installing EC Gateway on UNIX.
- Chapter 6, “Installing ODBC Drivers” provides information on the ODBC drivers used on UNIX platforms by EC Gateway and optionally by ECRTP™.
- Chapter 7, “Installing EC Gateway Operations Viewer” provides instructions for installing the EC Gateway Operations Viewer.
- Chapter 8, “Installing ECRTP for Windows” provides instructions for installing ECRTP on Windows
- Chapter 9, “Installing ECRTP for UNIX” provides instructions for installing ECRTP on UNIX.
- Chapter 10, “Installing ECRTP/TP” provides instructions for installing ECRTP/TP.

Related documents

The Sybase EDI Products documentation set consists of:

-
- *EDI Products 5.1 New Features Guide* – describes the new features in EDI Products 5.1, EDI Products 5.0, EDI Products 4.2, and EDI Products 4.2 EBF releases.
 - *EDI Products 5.1 Installation Guide* (this book) – describes system requirements and installation procedures for all EDI Products components.
 - *EDI Products 5.1 Release Bulletin* – contains descriptions of change requests (CR) that have been addressed, documentation clarifications, and last-minute information that was too late to be included in the books or online help.
 - *ECMAP 4.2 Getting Started* – contains tutorials that provide a brief hands-on introduction to ECMAP.
 - *ECMAP 4.2 User Guide* – contains instructions for creating, generating, and running maps.
 - *ECMAP 4.2 Reference Guide* – contains information such as database formats, informational messages, and EDI envelope types.
 - *ECRTP 4.2 Reference Guide* – describes ECRTP runtime parameters, and contains conceptual information and examples for map developers.
 - *ECRTP/TP 4.2 Reference Guide* – contains information on working with ECRTP/TP, which is a customized version of ECRTP.
 - *EC Gateway 4.2 Reference Guide* for Windows and for UNIX – contains information on configuring and managing EC Gateway.
 - *EC Gateway Operations Viewer 4.2 Reference Guide* – describes how to use EC Gateway Operations Viewer to monitor operations of EC Gateway.
 - *Sybase Software Asset Management User's Guide* – contains information for users who install or administer Sybase products that use Sybase Software Asset Management (SySAM) 2.0. This guide introduces Sybase asset management concepts and provides instructions for establishing and managing your license files.
 - *FLEXnet Licensing End User Guide* – this Macrovision manual explains FLEXnet Licensing for administrators and end users and describes how to use the tools that are part of the standard FLEXnet Licensing distribution kit from Sybase.

Other sources of information

- *SAMreport User's Guide* – this Macrovision manual explains how to use SAMreport, a report generator that helps you monitor the usage of applications that use FLEXnet Licensing.

Use the Sybase Getting Started CD, the SyBooks 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 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 CD contains product manuals and is included with your software. The Eclipse-based SyBooks browser allows you to access the manuals in an easy-to-use, HTML-based format.

Some documentation may be provided in PDF format, which you can access through the PDF directory on the SyBooks CD. To read or print the PDF files, you need Adobe Acrobat Reader.

Refer to the *SyBooks Installation Guide* on the Getting Started CD, or the *README.txt* file on the SyBooks CD for instructions on installing and starting SyBooks.

- The Sybase Product Manuals Web site is an online version of the SyBooks 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 Sybase 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 Click Certification Report.
- 3 In the Certification Report filter select a product, platform, and timeframe and then click Go.
- 4 Click a Certification Report title to display the report.

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

- 1 Point your Web browser to Availability and Certification Reports at <http://certification.sybase.com/>.
- 2 Either select the product family and product under Search by Base Product; or select the platform and product under Search by Platform.
- 3 Select Search to display the availability and certification report for the selection.

❖ **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.

❖ **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 following style conventions are used in this book:

- In a sample screen display, commands you should enter exactly as shown are in:

```
    this font
```

- In a sample screen display, words that you should replace with the appropriate value for your installation are shown in:

```
    this font
```

- In the regular text of this document, the names of files and directories appear in italics:

```
/usr/w/sybase
```

- The names of programs, utilities, procedures, and commands appear in this type:

```
mapinrun
```

The conventions for syntax statements in this manual are as follows:

Table 1: Syntax conventions

Key	Definition
command	Command names, command option names, utility names, utility flags, and other keywords are in Arial.
<i>variable</i>	Variables, or words that stand for values that you fill in, are in italics.
{ }	Curly braces indicate that you choose at least one of the enclosed options. Do not include braces in your option.
[]	Brackets mean choosing one or more of the enclosed options is optional. Do not include brackets in your option.
()	Parentheses are to be typed as part of the command.
	The vertical bar means you can select only one of the options shown.
,	The comma means you can choose as many of the options shown as you like, separating your choices with commas to be typed as part of the command.

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.



Before You Begin

This chapter describes the pre-installation tasks and system requirements for installing EDI Products. It also provides information on Sybase Software Asset Management (SySAM) licensing in EDI 5.0 and later and what you need to begin using EDI Products with SySAM licenses.

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Pre-installation tasks

Before you install EDI Products:

- 1 Read the EDI Products Release Bulletin, which contains last-minute information about installing and configuring EDI Products.
- 2 Verify that your deployment of EDI products is compliant with the authorized deployment as determined by your Sybase licenses. Contact Sybase Technical Support for assistance, if necessary.
- 3 Determine the EDI Products components you want to install. See “EDI Products product set” on page 2 for a list of the components.
- 4 Plan and deploy the type of SySAM license configuration you want to use for the components you want to install. See “Product licensing with SySAM 2.0” on page 3.
- 5 Verify that you meet the system requirements for the components you want to install. See “System requirements” on page 8.

- 6 Back up your application data if you have earlier versions of EDI Products installed. See “Upgrading from earlier versions of EDI Products” on page 11.

EDI Products product set

Sybase EDI Products is a suite of powerful components that meet the needs of any organization processing EDI: the ECMAP development workbench, ECRTTP runtime environment with trading partner management capabilities, and EC Gateway which supports message management, value added network (VAN) connectivity, and operations management.

The Sybase EDI Products product set consists of:

- ECMAP
- ECMAP Network Client
- ECMAP Debugger
- EC Gateway
- EC Gateway Operations Viewer
- ECRTTP
- ECRTTP/TP

Sybase also distributes the Sybase EDI Server product bundle which consists of:

- ECMAP
- EC Gateway
- EC Gateway Operations Viewer
- ECRTTP

Product licensing with SySAM 2.0

Sybase EDI Products version 5.0 and later uses Sybase Software Asset Management (SySAM) for license administration and asset management tasks.

SySAM-enabled components in EDI Products 5.0 and later, use SySAM to perform runtime verification of licenses every time you start the product. If the required license is not available, the product does not run. This differs from the license verification in earlier versions, which was performed only during installation.

Warning! Most SySAM-enabled products work for an initial grace period without a license. If you do not install a valid license for your configuration within the grace period, the product ceases to function.

ECMAP Debugger does not support grace periods. You can obtain a Trial License for ECMAP Debugger. See the *EDI Products Release Bulletin* for details.

Preparing for SySAM deployment

Learn about SySAM and plan your SySAM deployment before you install any EDI Products package or bundle. Refer to the SySAM online documentation in the Sybase Product Manuals Web site at <http://www.sybase.com/support/manuals/> or access the *Sybase Software Asset Management 2.0 User's Guide* on the Getting Started CD for information on SySAM.

Pre-deployment tasks for SySAM

Before you deploy SySAM:

- 1 Determine the exact EDI Products package or bundle that you want to install. Before you install any SySAM-enabled product, familiarize yourself with “Sybase product licensing concepts,” in Chapter 2, “Understanding Licensing Concepts and Models” in the *Sybase Software Asset Management 2.0 User's Guide*.

- 2 Decide if you want to use the served or unserved license models. When you run a component with a served license and check out its license, the license is returned after running the component. However, the license is still linked for 30 days to the user who checked out the license. This ensures that users have to have the appropriate number of licenses in the “served” model.

For more information about license models, see “Choosing a license model,” in Chapter 2, “Understanding Licensing Concepts and Models” in the *Sybase Software Asset Management 2.0 User’s Guide*. For some packages, you must use a specific license model. See “EDI Products licensing requirements” on page 4 for more information about licensing requirements.

- 3 Plan your SySAM deployment scenario. See Appendix G, “Typical Deployment Scenarios” in the *Sybase Software Asset Management 2.0 User’s Guide* for a suggested SySAM setup.

EDI Products licensing requirements

EDI Products 5.1 consists of different components combined in various product packages or in a bundle.

Table 1-1 lists these packages and the bundle, the SySAM license model for each package, the components in each product package, and the SySAM licensing requirements for each component.

Table 1-1: SySAM licensing requirements for EDI Products

Product	License model	Components	License requirements
ECMAP	Served or Unserved	1 ECMAP 2 ECRTP	Required for both components. The runtime license you generate for ECMAP includes separate component licenses for ECMAP and ECRTP.
ECMAP Network Client	Served or Unserved	ECMAP Network Client	ECMAP license required for each PC installed with ECMAP Network Client
ECRTP	Served or Unserved	ECRTP	Required
ECRTP/TP	Served or Unserved	ECRTP/TP	Required
EC Gateway for Windows	Served or Unserved	1 EC Gateway GUI 2 EC Gateway runtime for Windows	1 Required 2 Required

Product	License model	Components	License requirements
EC Gateway for UNIX	Served only	1 EC Gateway GUI 2 EC Gateway runtime for UNIX 3 EC Gateway runtime for Windows	1 Required 2 Required 3 Required
EC Gateway Operations Viewer	Not applicable	EC Gateway Operations Viewer	Not required
ECMAP Debugger	Served or Unserved	ECMAP Debugger	Required
Sybase EDI Server bundle	Served only	1 ECMAP 2 ECRTTP 3 EC Gateway 4 EC Gateway Operations Viewer	1 Required 2 Required 3 Required 4 Not required

Deploying SySAM

See the *Sybase Software Asset Management 2.0 User's Guide* for instructions on generating licenses and procedures to deploy, run, and administer SySAM.

You must use a license server if you are using the served license model. You can use an existing license server or install a new license server. If you decide to set up a new license server, see “Installing and running a new license server,” for installation instructions.

Installing and running a new license server

Note There can be only one instance of a SySAM license server running on a given machine. To set up a SySAM 2.0 license server on a machine that is already running a SySAM 1.0 license server, you must migrate the old license server to 2.0. A migrated license server can serve licenses for both SySAM 1.0- and SySAM 2.0-enabled products.

See Appendix F, “Migrating the License Server from SySAM 1.0 to SySAM 2.0” in the *Sybase Software Asset Management User's Guide* for instructions.

❖ **Installing a new license server**

- 1 Insert the CD into the CD drive. You can start the setup program in two ways.
 - Select Start | Run, browse to the *SySAM\windows* directory, double-click *setup.exe*, and click OK in the Run dialog box, or
 - Open a Command Prompt window, change directories to *SySAM\windows* which contains the *setup.exe* file, and enter `setup`.
- 2 The Welcome window displays. Click Next.
- 3 Accept the license agreement.
- 4 Enter or select the destination directory.
- 5 Select Custom Installation.
- 6 Select SySAM Network License Server and unselect all other options.
- 7 Click OK to install the license server.

Note You cannot start the license server until there is at least one valid served license installed in the *licenses* directory.

- 8 Obtain the host ID for the machine on which you will be running the license server.
- 9 If you have not already done so, generate the licenses for the products you want to install in the Sybase Product Download Center (SPDC) at <https://sybase.subscribenet.com>.
- 10 Copy the license file, which has a *.lic* extension, to the *licenses* directory on the network license server machine.
- 11 Refresh or restart the license server.

To run the commands for refreshing or restarting the license server, in Windows, go to the `%SYBASE%\%SYBASE_SYSAM%\bin` directory where `%SYBASE%\%SYBASE_SYSAM%` is where you have installed SySAM in Windows.

 - Start the license server if it is not already started by entering:

```
sysam start
```
 - If the license server is already started, use the `reread` command to make the license server read the new license files:

```
sysam reread
```

- Verify that the license daemon is running by entering:

```
sysam status
```

See Chapter 4, “License Server Administration” in the *Sybase Software Asset Management 2.0 User’s Guide* for detailed information.

License configuration files

EDI Products generates license configuration files during installation. These files capture the license configuration information you provide during installation.

Files with the *.cfg* file name extension contain the license information you select during installation. Sybase recommends that you contact Sybase Technical Support before you edit these files.

Files with the *.property* file name extension contain the e-mail notification information you provide during installation. The *.property* file is encrypted but you can edit the e-mail notification portion of the file.

Subsequent chapters contain the names and descriptions of the license configuration files that the installation generates for each EDI Products component.

System requirements

For the latest supported platforms and databases for EDI Products, see the Availability and Certification Reports Web site at <http://certification.sybase.com>.

Supported platforms

Table 1-2 lists the supported operating systems for EDI Products 5.1:

Table 1-2: Supported operating systems

Platform	Operating system version
UNIX	<ul style="list-style-type: none">• HP-UX 11i v2• IBM AIX 5L and 5.3• Sun Solaris 2.10
Windows	<ul style="list-style-type: none">• Windows 2003 with Service Pack 1• Windows XP Professional with Service Pack 2

Supported databases

These are the supported database systems for EDI Products 5.1:

- Sybase Adaptive Server® Enterprise version 12.5 and 15.0.2 and later.
- IBM DB2 v9.1 with FixPak1.

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

- Oracle 10g release 2.
- Microsoft SQL Server 2005.
- Microsoft Access 2000 or later in a development environment only.

Additional requirements

The following sections describe component-specific requirements.

Requirements for ECMAP

Disk space	Disk space requirements for ECMAP: <ul style="list-style-type: none">• 100MB for executables and libraries• 100MB all bundled standards (1 – 5MB per standard)• 1 – 10MB per map• 10MB for log/trace files (size must be controlled by user)
Memory	Memory requirement for ECMAP: <ul style="list-style-type: none">• 16MB (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 Sybase Technical Support 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 ECMAP Debugger

Disk space	Disk space requirements for ECMAP: <ul style="list-style-type: none">• 9MB for libraries and help files• 75MB if you are installing the JDK
Memory	Memory requirement for ECMAP Debugger: <ul style="list-style-type: none">• 128MB (additional RAM improves performance)

Requirements for EC Gateway

Disk space	Disk space requirements for EC Gateway: <ul style="list-style-type: none">• 26MB for executables and shared libraries• 1 – 10MB per map• 100MB for log files (size must be controlled by user)
Memory	Memory requirement for EC Gateway: <ul style="list-style-type: none">• 128MB (additional RAM improves performance)

- Other requirements
- Optional – for asynchronous communications, a configured modem supported by the Windows environment
 - A TCP/IP network connection supported by the Windows environment for FTP communications
 - ODBC drivers if you are connecting to an ODBC-compliant database on UNIX

Requirements for ECRTP

- Disk space
- Disk space requirements for ECRTP:
- 1MB for executable and DLL (Windows); 1MB for executable, shared library, and static archive (UNIX)
 - 1-10MB per map
 - 10MB for log files (size must be controlled by user)

- Memory
- Memory requirement for ECRTP:
- 64MB (additional RAM improves performance)

Note Multiple copies of ECRTP can run simultaneously on UNIX. Estimate 1.5MB of memory per process.

- Other requirements
- For logging, you can use either:
- An ODBC-compliant database that supports autoincrement fields, or
 - An expanded text file.
- For trade partner information, you can use either:
- An ODBC-compliant database that supports autoincrement fields, or
 - 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 8.

Installing EDI Products

After you complete SySAM deployment for the SySAM-enabled EDI Products component, install the specific EDI Products component. The instructions to install these components are in subsequent chapters of this book.

Upgrading from earlier versions of EDI Products

You can upgrade directly from EDI Products version 4.0 and later to EDI Products 5.1. You do not need to perform incremental upgrades from EDI Products 4.0 and later to EDI Products 5.1. You can also upgrade from ECMAP 2.1 and earlier.

Pre-upgrade tasks

Before you upgrade your EDI Products installation:

- Verify that your deployment of EDI products is compliant with the authorized deployment as determined by your EDI licenses held by Sybase. See “SySAM self-assessment” on page 11 to access your EDI license compliance status.
- Back up your existing application data before you install any new version of EDI Products. See “Backing up application data” on page 12 for instructions.

After you have performed these two tasks, install the specific EDI Products component following the instructions to install these components in the subsequent chapters of this book.

SySAM self-assessment

You can assess your EDI license compliance status yourself by:

- Obtaining your Sybase Customer License Statement, which shows your specific EDI license records.
- Reading Appendix A, “Decoding EDI Licenses” to determine your authorized deployment.

- Comparing your authorized EDI product deployment against your actual deployment. If your actual deployment is more than your authorized deployment, you have a license compliance issue and can:
 - Open a Case with Sybase Technical Support if you have a question about either of these documents or how to determine whether you are compliant.
 - Contact the Sybase License Compliance office if you think there is an error in Sybase license records.
 - Contact Sybase Sales if you decide your deployment is noncompliant and you want to buy additional licenses.
 - Reduce your deployment to align it with your authorized deployment.

Backing up application data

Before you install a new version of any of the EDI products, 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

❖ Backing up ECMAP data

- 1 Highlight a map to copy on the map selection window. See the *ECMAP User Guide* for detailed instructions on selecting a map.
- 2 Select Options | Map Copy to display the Copy Map window.
- 3 Select This Map to Directory.
- 4 In the Directory text box on the Copy Map window, enter the full path to the directory in which the backup maps will be stored.
You may want to create a backup directory that has a subdirectory for each current project. The backup maps are then copied to the appropriate *backup\project* directory.
- 5 Click Run.
- 6 Select and copy maps until you have backed up all of your current maps.
- 7 If you are upgrading from a version earlier than ECMAP 2.1, copy these thirteen files (which contain information about all of your projects) from your current installation directory to a backup directory:

<i>mproject.db</i>	<i>mproject.ygo</i>	<i>htable.val</i>
<i>mproject.mb</i>	<i>htable.db</i>	<i>mxref.db</i>
<i>mproject.px</i>	<i>htable.mb</i>	<i>mxref.px</i>
<i>mproject.val</i>	<i>htable.px</i>	<i>mxref.val</i>
<i>mproject.xgo</i>		

Beginning with ECMAP 2.1, project information is no longer saved in this particular file structure, but is instead stored in separate tables in a single database. However, during an upgrade, the program needs the information in these files to populate the *mproject*, *htable*, 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.

Copy the current *projects.mdb* database to a backup directory as well. You will also need the tables in this database if for any reason you must revert to your current version of the software.

Backing up EC Gateway data

If you are upgrading 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 a DOS command to save the entire contents of *ecedigs* to a backup directory within *ecedigs*, for example:

```
drive\ecedigs\backup
```

One of the most important files to back up is *eesserver.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. Back up data used by EC Gateway. 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 the EC Gateway installation.

Installing ECMAP

This chapter describes the instructions for installing ECMAP.

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Introduction

ECMAP is a suite of mapping tools that allow you to develop complex maps for processing EDI transactions. ECMAP supports sequential and delimited file formats and standards, which include ANSI X12, UN/EDIFACT, NCPDP, and HL7.

Understanding ECMAP installation types and licensing

You can install ECMAP on a standalone PC or on a network server.

Standalone installation

If you are installing ECMAP on a standalone PC, install ECMAP using the ECMAP installation key.

The standalone installation installs two components on the PC, ECMAP and ECRTP. The ECRTP component is for testing maps that you create using the ECMAP component. The SysSAM runtime license you generate for ECMAP includes separate component licenses for ECMAP and ECRTP. The ECRTP component must run on the same PC as the ECMAP component. You cannot migrate the ECRTP component to a different PC.

Network installation

If you are installing ECMAP on a network server, use the ECMAP Network Client installation key to install the ECMAP Network Client software individually on each PC you use to access ECMAP.

The network installation of ECMAP installs the ECMAP and ECRTM components on the network server. When a user runs the ECMAP Network Client, the full ECMAP is downloaded from the network server to the client PC where it runs locally. Like a standalone installation, each ECMAP Network Client must have a SySAM license for ECMAP using the host name of the PC. Since ECMAP does not run on the server, you do not require a license for the server copy of ECMAP.

Installing ECMAP

Before you begin the installation, verify that you comply with the system requirements for ECMAP. ECMAP is a SySAM-enabled product and you must obtain a license file for your ECMAP installation. See Chapter 1, “Before You Begin” for system requirements, pre-installation tasks, and instructions for deploying SySAM.

❖ Installing ECMAP for Windows

- 1 Insert the CD into the CD drive. You can start the setup program in two ways.
 - Select Start | Run, browse to the location of the *setup.exe* file, double-click *setup.exe*, and click OK in the Run dialog box, or
 - Open a Command Prompt window, change directories to the location of the *setup.exe* file and enter `setup`.
- 2 The Welcome window displays. Click Next.
- 3 Follow the screen prompts.
 - Enter the geographic location information.
 - Read and accept the license agreement.
 - Enter the ECMAP product key – CM-6826FB2B.
 - 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 - SV
 - ARE for Windows 3.9
 - Standards
- 4 Verify that you have enough disk space to install the components that you have selected.
- 5 Confirm or change the folder in which program icons will be created.
- 6 Click Next. The Sybase Software Asset Management Setup window opens and displays this prompt:

Sybase Software Asset Management provides System Administrators with a means to monitor their site's use of Sybase products and optional features. Please configure where the EDI Products will find licenses it will use. Will licenses be obtained from the License Server?

 - Select Yes to use a SySAM license server. You can use an existing SySAM network license server or you can install a new license server. See “Installing and running a new license server” on page 5.

Provide the host name and port number of the license server.
 - Select No to use a local license file.

If you use a local license file, download the license file and copy it to the directory containing the *ECMAP.exe* file. If you accept the default installation path during installation, copy the license file to *C:\Program Files\Sybase\ECMap*.
- 7 Click Next. The Sybase Software Asset Management Notification window asks you to configure e-mail notification for SySAM events. When you enable e-mail notification, you will receive information about license management events requiring attention. Provide:
 - SMTP server host name.
 - SMTP server port number.
 - Sender's e-mail address.
 - Recipients' e-mail addresses. You can enter multiple e-mail addresses, separated by commas, up to a maximum of 32 characters.

- Message severity that triggers e-mail messages. You can select from three types of messages—Error, Informational, and Warning.
- 8 Click Next. The Product License Information window displays this prompt:

```
Please select the correct license type and CPU
information, where applicable.
```

 - Select the license type from the list of available license types for which you have a valid license. See “Sybase product licensing concepts,” in Chapter 2, “Understanding Licensing Concepts and Models” in the *Sybase Software Asset Management 2.0 User’s Guide* for more information.
 - Ignore the Enter Number of CPUs field, as ECMAP licenses are not CPU-dependent.
 - Select EDI Server for Windows if you are installing ECMAP as part of the EDI Server bundle.
 - Select Not an EDI Server Install if you are *not* installing ECMAP as part of the EDI Server bundle.
 - 9 Click Next. The installer displays a progress indicator as it installs the components.
 - 10 When the installation of the ECMAP components completes, the installer displays this message:

```
The InstallShield Wizard has successfully installed
Sybase EDI Product 5.1. Before you can use the
program, you must restart your computer.
```
 - 11 Restart your computer to complete the installation process.

License configuration files

After you complete your ECMAP installation, you can find the license configuration files in the directory containing the *ECMAP.exe* file. These files have the *.cfg* and the *.property* file name extension. If you accept the default installation path during installation, you can find the configuration files in *C:\Program Files\Sybase\ECMap*.

The *ECMAP.cfg* and *ECRTP.cfg* files capture the license configuration you select during installation. Sybase recommends that you consult Sybase Technical Support before you edit these files.

The *ECMAP.property* and *ECRTP.property* files capture the e-mail notification information you enter during installation. The *.property* files are encrypted, but you can edit the e-mail notification portion of the file.

Installing ECMAP Network Client

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

On the server

- Install ECMAP on the server. See “Installing ECMAP” on page 16 for instructions.
- Share the ECMAP installation folder such as, *C:\Program Files\Sybase*.
- Use the ECMAP User Administration to set up a new user by:
 - Specifying a new user ID and password
 - Creating a private directory for the new user such as, *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 you have created the client PC’s directory, you can install ECMAP Network Client.

❖ Installing ECMAP Network Client for Windows

- 1 Insert the CD into the CD drive. You can start the setup program in two ways.
 - Select Start | Run, browse to the location of the *setup.exe* file, double-click *setup.exe*, and click OK in the Run dialog box, or
 - Open a Command Prompt window, change directories to the location of the *setup.exe* file and enter *setup*.
- 2 The Welcome window displays. Click Next.
- 3 Follow the screen prompts.
 - Enter the geographic location information.
 - Read and accept the license agreement.

- Enter the ECMAP Network Client product key – CN-3BBCA0AF.
 - Select the installation path for the product. This must be the directory that is mapped to the ECMAP server installation.
 - Confirm or change the folder in which program icons will be created.
- 4 Click Next. The installer displays a progress indicator as it installs the components.
 - 5 When the installation of the ECMAP Network Client components completes, the installer displays this message:

The InstallShield Wizard has successfully installed Sybase EDI Product 5.1. Before you can use the program, you must restart your computer.
 - 6 Restart your computer to complete the installation process.

After the client machine restarts, you can log into ECMAP using the user ID and password set up by the ECMAP Administrator.

License configuration files

After you complete your ECMAP Network Client installation, you can find the license configuration files in the directory containing the *ECMAP.exe* file on your ECMAP server. If you accept the default installation path during installation, you can find the configuration files in *C:\Program Files\Sybase\ECMap*.

The *ECMAP.cfg* and *ECRTP.cfg* files capture the license configuration you select during installation. Sybase recommends that you consult Sybase Technical Support before you edit these files.

The *ECMAP.property* and *ECRTP.property* files capture the e-mail notification information you enter during installation. The *.property* files are encrypted, but you can edit the e-mail notification portion of the file.

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*.

Installing ECMAP Debugger

This chapter describes the instructions for installing and accessing ECMAP Debugger.

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Introduction

ECMAP Debugger is an add-on product to ECMAP that runs with EDI 5.0 and later. It is currently available on Windows.

ECMAP Debugger enables developers to control the execution of maps, on a command-by-command basis, and to monitor the data values of variables and record fields as the map runs. ECMAP Debugger can help new map developers learn ECMAP and help experienced map developers deepen their understanding of the product.

Installing ECMAP Debugger

Before you begin the installation, verify that you comply with the system requirements for ECMAP Debugger.

Note ECMAP Debugger is a SySAM-enabled product and you must obtain a SySAM license file to use ECMAP Debugger. ECMAP Debugger does *not* support a grace period for you to evaluate the product. If you want to evaluate ECMAP Debugger, you can obtain a Trial License. See the *EDI Products Release Bulletin* for details.

See Chapter 1, “Before You Begin” for system requirements, pre-installation tasks, and instructions for deploying SySAM.

❖ Installing ECMAP Debugger for Windows

- 1 Insert the CD into the CD drive. You can start the setup program in two ways.
 - Select Start | Run, browse to the location of the *setup.exe* file, double-click *setup.exe*, and click OK in the Run dialog box, or
 - Open a Command Prompt window, change directories to the location of the *setup.exe* file and enter `setup`.
- 2 The Welcome window displays. Click Next.
- 3 Follow the screen prompts:
 - Enter the geographic location information.
 - Read and accept the license agreement.
 - Enter the ECMAP Debugger product key – DB-4F8AC29A.
 - Confirm the installation path for the product, or select a different path for the installation to use. For ECMAP Debugger, the default is *C:\Program Files\Sybase\ECMAP_Debugger*.
 - Select the components to install. For ECMAP Debugger, the components include:
 - ECMAP Debugger
 - JDK 1.5.0 – select this if you do not have Java 2 SDK installed or if the Java 2 SDK that you have is an earlier version.
- 4 Verify that you have enough disk space to install the components that you have selected.

- 5 Confirm or change the folder in which program icons will be created.
- 6 Click Next. The Sybase Software Asset Management Setup window opens and displays this prompt:

Sybase Software Asset Management provides System Administrators with a means to monitor their site's use of Sybase products and optional features. Please configure where the EDI Products will find licenses it will use. Will licenses be obtained from the License Server?

- Select Yes to use a SySAM license server. You can use an existing SySAM network license server or you can install a new license server. See “Installing and running a new license server” on page 5.

Provide the host name and port number of the license server.

- Select No to use a local license file.

If you use a local license file, download the license file and copy it to the directory containing the *MapDebug.bat* file. If you accept the default installation path during installation, copy the license file to *C:\Program Files\Sybase\ECMAP_Debugger\bin*.

Warning! ECMAP Debugger does not support a grace period for you to evaluate the product. If you want to evaluate ECMAP Debugger, you have the option to obtain a Trial License. See the *EDI Products Release Bulletin* for details.

- 7 Click Next. The Sybase Software Asset Management Notification window asks you to configure e-mail notification for SySAM events. When you enable e-mail notification, you will receive information about license management events requiring attention. Provide:
 - SMTP server host name.
 - SMTP server port number.
 - Sender's e-mail address.
 - Recipients' e-mail addresses. You can enter multiple e-mail addresses, separated by commas, up to a maximum of 32 characters.
 - Message severity that triggers e-mail messages. You can select from three types of messages—Error, Informational, and Warning.
- 8 Click Next. The Product License Information window displays this prompt:

Please select the correct license type and CPU information, where applicable:

- Select the license type from the list of available license types for which you have a valid license. See “Sybase product licensing concepts,” in Chapter 2, “Understanding Licensing Concepts and Models” in the *Sybase Software Asset Management 2.0 User’s Guide* for more information.
 - Ignore the Enter Number of CPUs field as ECMAP Debugger licenses are not CPU-dependent.
 - Select Not an EDI Server Install since ECMAP Debugger is not part of the EDI Server bundle.
- 9 Click Next. The installer displays a progress indicator as it installs the components.
- 10 When the installation of ECMAP Debugger completes, the installer displays this message:

```
The InstallShield Wizard has successfully installed
Sybase EDI Product 5.1. Before you can use the
program, you must restart your computer.
```

- 11 Restart your computer to complete the installation process.

After the client machine restarts, you *must* edit the *mapdebug.bat* batch file according to your environment before you can access ECMAP Debugger. See “Configuring ECMAP Debugger for your system” on page 27.

License configuration files

After you complete your ECMAP Debugger installation, you can find the license configuration files in the directory containing the *MapDebugger.bat* file. If you accept the default installation path during installation, you can find the configuration file in *C:\Program Files\Sybase\ECMAP_Debugger\bin*.

The *ECMAPDebugger.cfg* configuration file captures the license configuration information of your installation. Sybase recommends that you consult Sybase Technical Support before you edit this file.

The *ECMAPDebugger.property* file captures the e-mail notification information you enter during installation. The file is encrypted but you can edit the e-mail notification portion of the file.

Configuring ECMAP Debugger for your system

Before you access ECMAP Debugger, you must edit the *mapdebug.bat* batch file that was installed together with ECMAP Debugger.

Modify these three variables in the *mapdebug.bat* file for Windows according to your installation locations:

- JAVA_HOME – directory where JRE or JDK is installed.

Note Sybase recommends that you use Java 2 SDK version 1.5 or later.

- ECRTP_HOME – directory where ECRTP shared library is installed.
- MAPDEBUG_HOME – directory where ECMAP Debugger is installed.

Note If JAVA_HOME or ECRTP_HOME use a path with spaces, such as *C:\Program Files\sybase\ECMAP_Debugger*, insert the full path within double quotes.

Do *not* place the full path for MAPDEBUG_HOME within double quotes, even if it uses a path with spaces.

Accessing ECMAP Debugger

You can access ECMAP Debugger for Windows in different ways:

- Double-click the ECMAP Debugger icon on your desktop.
- Select the ECMAP Debugger icon from the ECMAP folder in the program menu on your desktop.
- Run the batch file installed on the Windows platform.

The batch file location is `%MAPDEBUG_HOME%\bin\mapdebug.bat`

where `%MAPDEBUG_HOME%` is the directory where ECMAP Debugger is installed on your Windows platform.

Warning! When you double-click the ECMAP Debugger icon or run `mapdebugger.bat` from a command prompt, a command prompt window opens first, followed by ECMAP Debugger.

Do not close the command prompt window while ECMAP Debugger is open. The command prompt window closes when you exit ECMAP Debugger.

The command prompt window displays messages as you perform actions in ECMAP Debugger. You can save these messages to a text file to help you to troubleshoot any problems with ECMAP Debugger, by using the redirection option in DOS. For example, to start ECMAP Debugger and save command prompt window messages to the `console.txt` file, enter:

```
%MAPDEBUG_HOME%\bin\mapdebug.bat > console.txt
```

Installing EC Gateway for Windows

This chapter provides instructions for installing EC Gateway on Windows.

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Introduction

EC Gateway is an enterprise-wide message management software, designed to support inter- and intra-company electronic messages. EC Gateway has three main functions: process management, communications, and scheduling. It includes extensive reporting facilities, a trading partner interface, a single ODBC-compliant log database, and archive and restore functions. See the *EC Gateway for Windows Reference Guide* for more information.

EC Gateway for Windows components and licensing

EC Gateway for Windows consists of two components:

- EC Gateway GUI
- EC Gateway runtime for Windows

EC Gateway for Windows is a SySAM-enabled product and you must obtain a SySAM license for each component for your EC Gateway for Windows installation.

EC Gateway scripts and ECRTP

If your EC Gateway script contains a call to ECRTP, when the script runs, EC Gateway verifies that there is a valid license for ECRTP. The script terminates if no valid ECRTP license is found.

Installing EC Gateway for Windows

Before you begin the installation, verify that you comply with the system requirements for EC Gateway for Windows. See Chapter 1, “Before You Begin” for system requirements, pre-installation tasks, and instructions for deploying SySAM.

The EC Gateway for Windows installation is included on your CD. If you are performing the installation, log in with administrative rights so you can alter paths 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 Insert the CD into the CD drive. You can start the setup program in two ways.
 - Select Start | Run, browse to the location of the *setup.exe* file, double-click *setup.exe*, and click OK in the Run dialog box, or
 - Open a Command Prompt window, change directories to the location of the *setup.exe* file and enter `setup`.
- 2 The Welcome window displays. Click Next.
- 3 Follow the screen prompts.
 - Enter the geographic location information.
 - Read and accept the license agreement.
 - Enter the EC Gateway for Windows product key – GN-301477A9.
 - 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.
- 4 Click Next. The Sybase Software Asset Management Setup window opens and displays this prompt:

Sybase Software Asset Management provides System Administrators with a means to monitor their site's use of Sybase products and optional features. Please configure where the EDI Products will find licenses it will use. Will licenses be obtained from the License Server?

- Select Yes to use a SySAM license server. You can use an existing SySAM network license server or you can install a new license server. See “Installing and running a new license server” on page 5.

Provide the host name and port number of the license server.

- Select No to use a local license file.

If you use a local license file, download the license file for EC Gateway and copy it to the directory containing the *ecedigs.exe* and the *wsproces.exe* files. If you accept the default installation path during installation, copy the license files to *C:\ecedigs*.

If your *wsproces.exe* file is in another location, copy the license file, and the *Wsproces.cfg* and *Wsproces.property* license configuration files, to the directory containing the *wsproces.exe* file.

- 5 Click Next. The Sybase Software Asset Management Notification window asks you to configure e-mail notification for SySAM events. When you enable e-mail notification, you will receive information about license management events requiring attention. Provide:

- SMTP server host name.
- SMTP server port number.
- Sender's e-mail address.
- Recipients' e-mail addresses. You can enter multiple e-mail addresses, separated by commas, up to a maximum of 32 characters.
- Message severity that triggers e-mail messages. You can select from three types of messages—Error, Informational, and Warning.

- 6 Click Next. The Product License Information window displays this prompt:

Please select the correct license type and CPU information, where applicable:

- Select the license type from the list of available license types for which you have a valid license. See “Sybase product licensing concepts,” in Chapter 2, “Understanding Licensing Concepts and Models” in the *Sybase Software Asset Management 2.0 User’s Guide* for more information.
 - Enter the number of CPUs across which you are installing EC Gateway. The default is one.
 - Select EDI Server for Windows if you are installing EC Gateway as part of the EDI Server bundle.
 - Select Not an EDI Server Install if you are *not* installing EC Gateway as part of the EDI Server bundle.
- 7 Click Next. The installer displays a progress indicator as it installs the components.
 - 8 When the installation of the EC Gateway components completes, the installer displays this message:

```
Do not forget to install ECRTM if you are running  
maps through Gateway.
```

Click OK. The installer displays this message:

```
The InstallShield Wizard has successfully installed  
Sybase EDI Product 5.1. Before you can use the  
program, you must restart your computer.
```
 - 9 Restart your computer to complete the installation process.

License configuration files

After you complete your EC Gateway installation, you can find the license configuration files for EC Gateway GUI in the directory containing *ecedigs.exe*, and the license configuration files for the EC Gateway runtime for Windows in the directory containing *Wsproces.exe*. If you accept the default installation path during installation, you can find the configuration files in *C:\ecedigs*.

The *ECCGateway.cfg* and *Wsproces.cfg* files capture the license configuration you select during installation. Sybase recommends that you consult Sybase Technical Support before you edit these files.

The *ECCGateway.property* and *Wsproces.property* files capture the e-mail notification information you enter during installation. The *.property* files are encrypted but you can edit the e-mail notification portion of the files.

See “Installing ECRTP for Windows” on page 49 for more information if you install ECRTP for EC Gateway.

Installing ActiveX controls

To use FTP communications, you must install ActiveX 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 ActiveX control is version 5.1.

❖ Installing Active X controls

- 1 Place the CD in the CD 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.
 - Read and accept the license agreement.
 - Provide user name, company name, e-mail address, phone, and fax information on the Registration window.
 - 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 must 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 Restart your computer to complete the installation process.

Configuring ODBC on the Windows server

You must configure ODBC before proceeding, if you see this error message:

```
ODBC DSN 'ECEDIGS' need to be defined for eeserver.mdb
in the install directory
```

- 1 Open the ODBC Data Source Administrator in the Windows Control Panel.
- 2 Select the System DSN tab in the ODBC Data Source Administrator.
- 3 Click Add to display the Create New Data Source window. Select the appropriate driver, then click Finish.

Note The initial configuration database that is required (ECEDIGS) is a Microsoft Access database that is 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 Navigate to the directory where the EC Gateway is installed. The default is `C:\ecedigs`. Select `eeserver.mdb`.
- 6 Click OK to return to ODBC Microsoft Access Setup window.
- 7 Click OK to 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.

Installing EC Gateway for UNIX

This chapter provides instructions for installing EC Gateway on UNIX.

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Introduction

EC Gateway is an enterprise-wide message management software, designed to support inter- and intra-company electronic messages. EC Gateway has three main functions: process management, communications, and scheduling. It includes extensive reporting facilities, a trading partner interface, a single ODBC-compliant log database, and archive and restore functions. See the *EC Gateway for UNIX Reference Guide* for more information on EC Gateway for UNIX and how to use it.

EC Gateway for UNIX components and licensing

EC Gateway for UNIX consists of three components:

- EC Gateway GUI
- EC Gateway runtime for UNIX
- EC Gateway runtime for Windows

EC Gateway for UNIX is a SySAM-enabled product and you must obtain a SySAM license for each component for your EC Gateway for UNIX installation as the licenses may point to different hosts.

EC Gateway scripts and ECRTP

If your EC Gateway script contains a call to ECRTP, when the script runs, EC Gateway verifies that there is a valid license for ECRTP. The script terminates if no valid ECRTP license is found.

Installing EC Gateway for UNIX

Before you begin the installation, verify that you comply with the system requirements for EC Gateway for UNIX. EC Gateway for UNIX is a SySAM-enabled product and you must obtain licenses for your EC Gateway for UNIX components. See Chapter 1, “Before You Begin” for system requirements, pre-installation tasks, and instructions for deploying SySAM.

Install EC Gateway for UNIX 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 The EC Gateway runtime for Windows component of EC Gateway for UNIX.
- 2 Distinct Corporation’s ActiveX controls for FTP communication on Windows.
- 3 The EC Gateway runtime for UNIX portion of EC Gateway for UNIX.
- 4 An ODBC driver.

Sybase recommends that you use the DataDirect ODBC driver manager and drivers, whether Sybase-branded ones purchased from Sybase, or open ones purchased from DataDirect.

Note The user performing the installation must be logged in with administrative rights.

Installing Windows components

❖ Installing EC Gateway for UNIX components on Windows

- 1 Insert the CD into the CD drive. You can start the setup program in two ways.
 - Select Start | Run, browse to the location of the *setup.exe* file, double-click *setup.exe*, and click OK in the Run dialog box, or
 - Open a Command Prompt window, change directories to the location of the *setup.exe* file and enter `setup`.
- 2 The Welcome window displays. Click Next.
- 3 Follow the screen prompts.
 - Enter the geographic location information.
 - Read and accept the license agreement.
 - Enter the EC Gateway for UNIX product key for your UNIX operating system:

Table 5-1: EC Gateway for UNIX installation keys

UNIX operating system	Installation key
HP-UX	GH-9720C0A1
IBM AIX	GI-10860BE2
Sun Solaris	GS-35FB4DC6

- 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`.
-
- Note** Always install EC Gateway for UNIX to a directory name that contains no spaces.
-
- Select the components to install. For EC Gateway for UNIX, the components are:
 - EC Gateway for *OS* component where *OS* is HP-UX, IBM AIX, or Sun Solaris.
 - EC Gateway for Windows component
 - Confirm or change the folder in which program icons will be created.
- 4 Click Next. The Sybase Software Asset Management Setup window opens and displays this prompt:

Sybase Software Asset Management provides System Administrators with a means to monitor their site's use of Sybase products and optional features. Please configure where the EDI Products will find licenses it will use. Will licenses be obtained from the License Server?

- Select Yes to use a SySAM license server. You can use an existing SySAM network license server or you can install a new license server. See “Installing and running a new license server” on page 5.

Provide the host name and port number of the license server.

- Select No to use a local license file.

If you use a local license file, download the license file for EC Gateway and copy it to the directory containing the *ecedigs.exe* and the *wsproces.exe* files. If you accept the default installation path during installation, copy the license files to *C:\ecedigs*.

If your *wsproces.exe* file is in another location, copy the license file, and the *Wsproces.cfg* and *Wsproces.property* license configuration files, to the directory containing the *wsproces.exe* file.

- 5 Click Next. The Sybase Software Asset Management Notification window asks you to configure e-mail notification for SySAM events. When you enable e-mail notification, you will receive information about license management events requiring attention. Provide:

- SMTP server host name.
- SMTP server port number.
- Sender's e-mail address.
- Recipients' e-mail addresses. You can enter multiple e-mail addresses, separated by commas, up to a maximum of 32 characters.
- Message severity that triggers e-mail messages. You can select from three types of messages—Error, Informational, and Warning.

- 6 Click Next. The Product License Information window displays this prompt:

Please select the correct license type and CPU information, where applicable:

- Select the license type from the list of available license types for which you have a valid license. See “Sybase product licensing concepts,” in Chapter 2, “Understanding Licensing Concepts and Models” in the *Sybase Software Asset Management 2.0 User’s Guide* for more information.
 - Enter the number of CPUs across which you are installing EC Gateway. The default is one.
 - Select EDI Server for UNIX if you are installing EC Gateway as part of the EDI Server bundle.
 - Select Not an EDI Server Install if you are *not* installing EC Gateway as part of the EDI Server bundle.
- 7 Click Next. The installer displays a progress indicator as it installs the components.
- 8 When the installation of the Windows component of EC Gateway for UNIX completes, the installer displays this message:
- ```
Do not forget to install EC RTP if you are running
maps through Gateway.
```
- Click OK. The installer displays this message:
- ```
The InstallShield Wizard has successfully installed
Sybase EDI Product 5.0. Before you can use the
program, you must restart your computer.
```
- 9 Restart your computer to complete the installation process.

License configuration files

After you complete your EC Gateway installation, you can find the license configuration files for EC Gateway GUI in the directory containing *ecedigs.exe* and the license configuration files for the EC Gateway runtime for Windows in the directory containing *Wsproces.exe*. If you accept the default installation path during installation, you can find the configuration files in *C:\ecedigs*.

You can find the *Wsprocess.cfg* and *Wsproces.property* license configuration files in the subdirectory containing the EC Gateway UNIX components. The default path for the UNIX components is:

- HP-UX components – *C:\ecedigs\HP*
- IBM AIX components – *C:\ecedigs\IBM*
- Sun Solaris components – *C:\ecedigs\Sun*

The *ECGateway.cfg* and *Wsproces.cfg* files capture the license configuration you select during installation. Sybase recommends that you consult Sybase Technical Support before you edit these files.

The *ECGateway.property* and *Wsproces.property* files capture the e-mail notification information you enter during installation. The *.property* files are encrypted but you can edit the e-mail notification portion of the files.

See “Installing ECRTP for Windows” on page 49 for more information if you install ECRTP for EC Gateway.

Installing Distinct ActiveX controls

After EC Gateway for UNIX has been installed on Windows, you can install the ActiveX controls from Distinct Corporation that allow you to use FTP communications. Follow the steps described in “Installing ActiveX controls” on page 33.

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 Solaris components – *C:\ecedigs\Sun*
 - HP-UX 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:
 - *schedd*
 - *wsocclnt*
 - *wsocksvr*
 - *wsproces*
 - *Wsproces.cfg*
 - *Wsproces.property*
 - License file which has the *.lic* file name extension
 - HP-UX– *libEDISySAMClient.sl*, *libsafepwd.sl*, *libsylapij.sl*, and *wsproces.sl*.
 - IBM AIX– *libEDISySAMClient.a*, *libsafepwd.so*, *libsylapij.a*, and *wsproces.so*.
 - Sun Solaris – *libEDISySAMClient.so*, *libsafepwd.so*, *libsylapij.so*, and *wsproces.so*.
- 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:
 - HP-UX – *libMQSWrap.sl*
 - IBM AIX – *libMQSWrap.so*
 - Sun Solaris – *libMQSWrap.so*
- 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 ODBC drivers.

Installing the ODBC drivers

For more information on the installation of 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 34.

Installing ODBC Drivers

This chapter provides information on the ODBC drivers used on UNIX platforms by EC Gateway and by EC RTP.

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Replacing unixODBC with DataDirect driver manager and drivers for UNIX	44

About ODBC drivers

Beginning with EDI 5.0, Sybase has discontinued shipping Sybase-branded DataDirect Technologies ODBC drivers for UNIX. Instead, EDI products on UNIX include unixODBC, which is an open-source ODBC driver manager.

You have three options with respect to using ODBC drivers:

- 1 If you are already using DataDirect ODBC drivers, either Sybase-branded ones, purchased from Sybase, or open ones, purchased from DataDirect, Sybase recommends that you replace the unixODBC Driver Manager with your DataDirect Driver Manager and drivers. For instructions, see “Replacing unixODBC with DataDirect driver manager and drivers for UNIX” on page 44.
- 2 If you are a new EDI user on UNIX, Sybase strongly recommends that you buy the DataDirect Open ODBC drivers directly from DataDirect. These are functionally identical to the Sybase-branded ones but work with any vendor’s products. For more information, see the DataDirectTechnologies Web site at <http://www.datadirect.com>.

You can replace the unixODBC Driver Manager with the DataDirect Driver Manager and drivers. See “Replacing unixODBC with DataDirect driver manager and drivers for UNIX” on page 44.

- 3 You can use the ODBC drivers from your database vendor with the unixODBC Driver Manager. However, if you choose this option, you cannot then get support from Sybase. Instead, you must get support for the ODBC drivers from your database vendor and support for the unixODBC Driver Manager from OpenLink Software. For more information, see the OpenLink Software Web site at <http://www.openlinksw.com>.

Replacing unixODBC with DataDirect driver manager and drivers for UNIX

ECRTP and wsproces, the EC Gateway runtime on UNIX, call unixODBC by referencing a file, found in an unixODBC install, named *libodbc.xx.1*, where *xx* depends on the UNIX operating system being used.

You can replace the supplied unixODBC driver manager with the DataDirect driver manager and the DataDirect drivers, whether Sybase-branded or not, by making a symbolic link between the *libodbc.xx.1* file and the *libodbc.xx* file used by DataDirect.

To accomplish this, first find the location of the DataDirect install directory. In that install directory, there is a subfolder named *lib*. Once you are in the *lib* subfolder, execute the `ln` command to link the DataDirect file with the unixODBC file.

The syntax for the command to do this linking is:

```
ln -s libodbc.xx libodbc.xx.1
```

where *xx* is *sl*, *a*, or *so* for HP-UX, IBM AIX, and Sun Solaris respectively.

Once you link the files, execute an `ls -l` command to display the link between the two files. In this example for Sun Solaris, the output after executing the `ls -l` command is:

```
lrwxrwxrwx  1 user1  comp  10 Jan  3 12:13 libodbc.so.1 -> libodbc.so
```

After you complete linking and verification, ECRTP and wsproces, the EC Gateway runtime, will use the DataDirect ODBC driver manager instead of the unixODBC driver manager, and use DataDirect ODBC drivers instead of vendor-supplied drivers. If both ECRTP and wsproces were previously installed on the same UNIX system, you need to perform the above linking for either ECRTP or wsproces.

If you link incorrectly, using the Sun Solaris example, either of the following error messages displays, depending on whether you run ECRTP or wsproces:

- ECRTP:

```
ld.so.1: mapinrun: fatal: libodbc.so.1: open failed:  
No such file or directory
```

- wsproces:

```
ld.so.1: wsproces: fatal: libodbc.so.1: open failed:  
No such file or directory
```


Installing EC Gateway Operations Viewer

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

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Installing EC Gateway Operations Viewer	47

Introduction

EC Gateway Operations Viewer is used to monitor the operations of EC Gateway. See the *EC Gateway Operations Viewer Reference Guide* for more information.

Installing EC Gateway Operations Viewer

Before you begin the installation, verify that you comply with the system requirements for EC Gateway Operations Viewer. See Chapter 1, “Before You Begin.”

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

❖ Installing EC Gateway Operations Viewer

- 1 Insert the CD into the CD drive. You can start the setup program in two ways.
 - Select Start | Run, browse to the location of the *setup.exe* file, double-click *setup.exe*, and click OK in the Run dialog box, or

- Open a Command Prompt window, change directories to the location of the *setup.exe* file and enter `setup`.
- 2 The Welcome window displays. Click Next.
- 3 Follow the screen prompts.
 - Enter the geographic location information.
 - Read and accept the license agreement.
 - Enter the EC Gateway Operations Viewer product key – LW-BB241967.
 - 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:\ecedig*.
 - Confirm or change the folder in which program icons will be created.
- 4 Click Next. The installer displays a progress indicator as it installs the components.
- 5 When the installation of EC Gateway Operations Viewer completes, the installer displays this message:

```
The InstallShield Wizard has successfully installed
Sybase EDI Product 5.0. Before you can use the
program, you must restart your computer.
```
- 6 Restart your computer to complete the installation process.

Installing EC RTP for Windows

This chapter provides information for installing EC RTP on Windows.

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Introduction

EC RTP is both a data transformation engine that analyzes, transforms, and routes messages, and a compliance-verification engine that checks EDI data against the corresponding EDI standard. EC RTP includes map files, a trading partner database, and log files.

The EC RTP for Windows installation installs the executable file version and the DLL version of EC RTP for Windows, the Java Native Interface (JNI) wrapper for the EC RTP API, and the EC RTP Web services API. EC RTP Web services API is available with EC RTP 5.1 and later for Windows. Use the API to install and start RTPProcessor, the EC RTP Web service component.

Installing EC RTP for Windows

Before you begin the installation, verify that you comply with the system requirements for EC RTP for Windows. EC RTP for Windows is a SySAM-enabled product and you must obtain a license file for your EC RTP for Windows installation. See Chapter 1, “Before You Begin” for system requirements, pre-installation tasks, and instructions for deploying SySAM.

❖ **Installing ECRTP**

- 1 Insert the CD into the CD drive. You can start the setup program in two ways.
 - Select Start | Run, browse to the location of the *setup.exe* file, double-click *setup.exe*, and click OK in the Run dialog box, or
 - Open a Command Prompt window, change directories to the location of the *setup.exe* file and enter `setup`.
- 2 The Welcome window displays. Click Next.
- 3 Follow the screen prompts.
 - Enter the geographic location information.
 - Read and accept the license agreement.
 - Enter the ECRTP for Windows product key – CW-4D5BBD0F.

A message box prompts you for the following information:

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

- 4 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 of 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*.

- 5 Select the components to install. For ECRTP, the components include:
 - ECRTP
 - ARE for Windows 3.9
- 6 Confirm or change the folder in which program icons will be created
- 7 Click Next. The Sybase Software Asset Management Setup window opens and displays this prompt:

```
Sybase Software Asset Management provides System  
Administrators with a means to monitor their site's
```

use of Sybase products and optional features. Please configure where the EDI Products will find licenses it will use. Will licenses be obtained from the License Server?

- Select Yes to use a SySAM license server. You can use an existing SySAM network license server or you can install a new license server. See “Installing and running a new license server” on page 5.

Provide the host name and port number of the license server.

- Select No to use a local license file.

If you use a local license file, download the license file and copy it to the directory containing the *owrm32c.dll* file. If you accept the default installation path for during installation, copy the license file to *C:\ecedigs* if you install ECRTP for EC Gateway or *C:\Program Files\Sybase* if you install a standalone version of ECRTP.

- 8 Click Next. The Sybase Software Asset Management Notification window asks you to configure e-mail notification for SySAM events. When you enable e-mail notification, you will receive information about license management events requiring attention. Provide:

- SMTP server host name.
- SMTP server port number.
- Sender’s e-mail address.
- Recipients’ e-mail addresses. You can enter multiple e-mail addresses, separated by commas, up to a maximum of 32 characters.
- Message severity that triggers e-mail messages. You can select from three types of messages—Error, Informational, and Warning.

- 9 Click Next. The Product License Information window displays this prompt:

Please select the correct license type and CPU information, where applicable:

- Select the license type from the list of available license types for which you have a valid license. See “Sybase product licensing concepts,” in Chapter 2, “Understanding Licensing Concepts and Models” in the *Sybase Software Asset Management 2.0 User’s Guide* for more information.
- Enter the number of CPUs across which you are installing ECRTP. The default is one.

- Select EDI Server for Windows if you are installing ECRTP as part of the EDI Server bundle.
 - Select Not an EDI Server Install if you are *not* installing ECRTP as part of the EDI Server bundle.
- 10 Click Next. The installer displays a progress indicator as it installs the components.
 - 11 When the installation of the ECRTP completes, the installer displays this message:

The InstallShield Wizard has successfully installed Sybase EDI Product 5.0. Before you can use the program, you must restart your computer.
 - 12 Restart your computer to complete the installation process.

License configuration files

After you complete your ECRTP installation, you can find the license configuration files in the directory containing the *owrm32c.dll* file. If you accept the default installation path during installation, you can find configuration files in *C:\ecedigs* if you install ECRTP for EC Gateway or in *C:\Program Files\Sybase* if you install a standalone version of ECRTP.

The *ECRTP.cfg* configuration file captures the license configuration information you select during your ECRTP installation. Sybase recommends that you consult Sybase Technical Support before you edit these files.

The *ECRTP.property* file captures the e-mail notification information you provide during installation. The *ECRTP.property* file is encrypted, but you can edit the e-mail notification portion of the file.

Installing and starting the ECRTP Web service

Use the ECRTP Web Services API to install and deploy RTPProcessor, the ECRTP Web service component.

Before you install RTPProcessor:

- 1 Install Java SDK 1.5 or Java JRE 1.5.
- 2 Install Apache Tomcat 5.0.28 or higher – you must run Apache Tomcat web server on “localhost” at port 8080. If your web server is on a different host or port number, replace references to localhost and port number 8080 with your own host name and port number. Download the Apache Tomcat installation package from the Apache Tomcat Web site at <http://www.apache.org/dist/tomcat/tomcat-5/v5.5.25/bin/apache-tomcat-5.5.25.zip>. Ensure that you download the latest package and refer to the documentation for Apache Tomcat before installation.
- 3 Install Apache Axis 1.4 and verify the installation. Download the Apache Axis installation package from the Apache Axis Web site at http://people.apache.org/dist/axis/nightly/axis-bin-1_4.zip. Ensure that you download the latest package and refer to the documentation for Apache Axis before installation.
- 4 Install ECRTP 5.1.
- 5 Verify that the PATH environment variable in Windows contains the location of the *callrtpo.dll* and *owrm32c.dll* files.

In the procedures that follow:

- *%AXIS%* – is where you installed Apache Axis.
- *%CATALINA%* – is where you installed Apache Tomcat.
- *%SYBASE%* – is where you installed ECRTP.

❖ Installing RTPProcessor

- 1 Stop the Apache Tomcat web server.
- 2 Copy the *axis* directory in *%AXIS%\webapps* into the *%CATALINA%\webapps* directory.

- 3 Rename the *axis* directory in `%CATALINA%\webapps` to *sybase*. This is because the default URL for RTPProcessor is `http://localhost:8080/sybase/services/RTPProcessor`.

Note If you rename *axis* to something other than *sybase*, change all occurrences of *sybase* to the name you used, in any file that refers to the URL. The name you choose forms part of the URL that clients use to access your Web service.

- 4 Copy all of the files from `%SYBASE%\ECRTP_WS\classes` to `%CATALINA%\webapps\sybase\WEB-INF\classes`.
- 5 Copy `%SYBASE%\ECRTP_JNI\lib\ecrtp.jar` to `%CATALINA%\webapps\sybase\WEB-INF\lib`.
- 6 Start the Apache Tomcat web server.

The batch files to start and stop RTPProcessor use Apache Axis AdminClient. See the Apache Axis documentation for more information about AdminClient.

❖ **Starting RTPProcessor**

- 1 Edit `%SYBASE%\ECRTP_WS\SETAXIS.BAT` for your environment.
- 2 Edit `dep_rtpws.bat` in `%SYBASE%\ECRTP_WS` for your environment. You must also edit the URL that is in `dep_rtpws.bat`.
- 3 Open a command prompt window and run `dep_rtpws.bat`.
- 4 Verify that the RTPProcessor web service is running correctly by opening the “`http://localhost:8080/sybase/services`” URL in your web browser, and verifying that you can see the RTPProcessor service, and the available web service methods. See the Javadoc files which are provided as part of the ECRTP installation for more information about the web service methods.

❖ **Stopping RTPProcessor**

- 1 Edit `%SYBASE%\ECRTP_WS\SETAXIS.BAT` for your environment.
- 2 Edit `%SYBASE%\ECRTP_WS\undep_rtpws.bat` for your environment. You must also edit the URL that is in `undep_rtpws.bat`.
- 3 Open a command prompt window and run `undep_rtpws.bat`.
- 4 Verify that the RTPProcessor web service has stopped by opening the “`http://localhost:8080/sybase/services`” URL in your web browser, and verifying that you cannot see the RTPProcessor service.

Installing ECRTP for UNIX

This chapter provides instructions for installing ECRTP on UNIX.

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Introduction

ECRTP is both a data transformation engine that analyzes, transforms, and routes messages, and a compliance-verification engine that checks EDI data against the corresponding EDI standard. ECRTP includes map files, a trading partner database, and log files.

ECRTP is a SySAM-enabled product and you must obtain a SySAM license for your ECRTP installation.

You must first install ECRTP on a Windows PC, then transfer the files to the UNIX server. If you are installing the ODBC executable file, you must also install ODBC drivers on the UNIX server. Sybase recommends that you use DataDirect ODBC drivers, either Sybase-branded ones, purchased from Sybase, or open ones, purchased from DataDirect.

Installing ECRTP for UNIX

Before you begin the installation, verify that you comply with the system requirements for ECRTP for UNIX. ECRTP for UNIX is a SySAM-enabled product and you must obtain a license file for your ECRTP for UNIX installation. See Chapter 1, “Before You Begin” for system requirements, pre-installation tasks, and instructions for deploying SySAM.

❖ Installing ECRTP for UNIX

- 1 Insert the CD into the CD drive. You can start the setup program in two ways.
 - Select Start | Run, browse to the location of the *setup.exe* file, double-click *setup.exe*, and click OK in the Run dialog box, or
 - Open a Command Prompt window, change directories to the location of the *setup.exe* file and enter `setup`.
- 2 The Welcome window displays. Click Next.
- 3 Follow the screen prompts.
 - Enter the geographic location information.
 - Read and accept the license agreement.
 - Enter the ECRTP for UNIX product key:

Table 9-1: ECRTP for UNIX installation keys

UNIX operating system	Installation key
HP-UX	CH-9C8817A7
IBM AIX	CI-1B2EDCE4
Sun Solaris	CS-3E539AC0

- 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*.
- 4 Select the components to install. For ECRTP for UNIX, the components include:
 - ODBC ECRTP Executable
 - ECRTP Shared Libraries ODBC

- JNI Gateway for *OS* where *OS* is HP-UX, IBM AIX, or Sun Solaris

Note You can select the ODBC ECRTP Executable component or the ECRTP Shared Libraries component, or both these components.

- 5 Confirm or change the folder in which program icons will be created.
- 6 Click Next. The Sybase Software Asset Management Setup window opens and displays this prompt:

```
Sybase Software Asset Management provides System
Administrators with a means to monitor their site's
use of Sybase products and optional features.
Please configure where the EDI Products will find
licenses it will use. Will licenses be obtained from
the License Server?
```

- Select Yes to use a SySAM license server. You can use an existing SySAM network license server or you can install a new license server. See “Installing and running a new license server” on page 5.

Provide the host name and port number of the license server.

- Select No to use a local license file.

If you use a local license file, download the license file and copy it to the directory containing the *rmapout* executable file if you selected the ODBC ECRTP executable component earlier in the installation.

You must also copy the license file to the directory containing the shared library files if you selected the ECRTP Shared Libraries ODBC component earlier in the installation. The shared library files have these file name extensions, depending on the UNIX platform:

- HP-UX – *.sl*
- IBM AIX – *.a*
- Sun Solaris – *.so*

- 7 Click Next. The Sybase Software Asset Management Notification window asks you to configure e-mail notification for SySAM events. When you enable e-mail notification, you will receive information about license management events requiring attention. Provide:
 - SMTP server host name.
 - SMTP server port number.
 - Sender’s e-mail address.

- Recipients' e-mail addresses. You can enter multiple e-mail addresses, separated by commas, up to a maximum of 32 characters.
 - Message severity that triggers e-mail messages. You can select from three types of messages—Error, Informational, and Warning.
- 8 Click Next. The Product License Information window displays this prompt:
- ```
Please select the correct license type and CPU
information, where applicable:
```
- Select the license type from the list of available license types for which you have a valid license. See “Sybase product licensing concepts,” in Chapter 2, “Understanding Licensing Concepts and Models” in the *Sybase Software Asset Management 2.0 User's Guide* for more information.
  - Enter the number of CPUs across which you are installing ECRTP. The default is one.
  - Select EDI Server for UNIX if you are installing ECRTP as part of the EDI Server bundle.
  - Select Not an EDI Server Install if you are *not* installing ECRTP as part of the EDI Server bundle.
- 9 Click Next. The installer displays a progress indicator as it installs the components.
- 10 When the installation of the ECRTP completes, the installer displays this message:
- ```
The InstallShield Wizard has successfully installed
Sybase EDI Product 5.1. Before you can use the
program, you must restart your computer.
```
- 11 Restart your computer to complete the installation process.

License configuration files

After you complete your ECRTP installation, you can find the license configuration files in the directory containing the *rmapout* executable file if you selected the ODBC ECRTP executable component earlier in the installation.

You can also find the license configuration files in the directory containing the shared library files if you selected the ECRTP Shared Libraries ODBC component earlier in the installation.

The *ECRTP.cfg* configuration file captures the license configuration information you select during your ECRTP installation. Sybase recommends that you consult Sybase Technical Support before you edit these files.

The *ECRTP.property* file captures the e-mail notification information you provide during installation. The *ECRTP.property* file is encrypted, but you can edit the e-mail notification portion of the file.

Transferring ECRTP files to the UNIX server

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

- 1 In Windows Explorer, open *C:\Program Files\Sybase*.

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

- *HP ECRTP*
- *IBM ECRTP*
- *SUN ECRTP*

Under each directory are these subdirectories:

- *ODBC*
- *Shared Libraries ODBC*

- 2 You must install at least an ODBC driver manager on your server to allow ECRTP to run. EDI Products on UNIX include unixODBC, an open-source ODBC driver manager. See Chapter 6, “Installing ODBC Drivers.” if you want to install the ODBC drivers.

ODBC capability allows you to:

- Use the SQL database access commands in ECMAP or ECRTP
- Use an ODBC database for trading partner information
- Use ODBC database for ECRTP logging information

- 3 Use FTP with binary to send the contents of the appropriate directory to a UNIX server directory. Generally, copy executables to a directory in your PATH, and place the shared libraries in the shared library path.
- 4 After you have transferred the files, follow the instructions in “ODBC executable files,” below, or “Shared library files” on page 61, based on the product version that you are installing.

ODBC executable files

If you are installing an 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 command allows you to have read, write, and execute privileges for the ECRTTP executable file, but gives all others only read and execute privileges. Change 755 to a different value for a different configuration of privileges,

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, link rmapout to mapinrun by entering:

```
ln -s rmapout mapinrun
```

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

Shared library files

If you are installing the shared library 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	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.

Installing ECRTP/TP

This chapter provides instructions for installing ECRTP/TP:

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Introduction

ECRTP/TP is a customized version of ECRTP that uses a graphical user interface for trading partner maintenance. It is designed for users who do not develop maps, but who need to do more than run existing maps. ECRTP/TP uses the runtime program (RTP) to convert data from a proprietary application format to a standard, from a standard format to a proprietary application, or from an application to an application. In addition, RTP lets you perform operations on trading partner and cross-reference data, as well as test new maps provided by your vendor.

Installing ECRTP/TP

Before you begin the installation, verify that you comply with the system requirements for ECRTP/TP. ECRTP/TP is a SySAM-enabled product and you must obtain a license file for your ECRTP/TP installation. See Chapter 1, “Before You Begin” for system requirements, pre-installation tasks, and instructions for deploying SySAM.

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**

- 1 Insert the CD into the CD drive. You can start the setup program in two ways.
 - Select Start | Run, browse to the location of the *setup.exe* file, double-click *setup.exe*, and click OK in the Run dialog box, or
 - Open a Command Prompt window, change directories to the location of the *setup.exe* file and enter `setup`.
- 2 The Welcome window displays. Click Next.
- 3 Follow the screen prompts.
 - Enter the geographic location information.
 - Read and accept the license agreement.
 - Enter the ECRTP/TP product key – CP-6DC9C144.
 - Confirm the installation path for the product, or select a different path for the installation to use. For ECRTP/TP, the default is *C:\Program Files\Sybase*.
 - Confirm or change the folder in which program icons will be created.
- 4 Click Next. The Sybase Software Asset Management Setup window opens and displays this prompt:

```
Sybase Software Asset Management provides System
Administrators with a means to monitor their site's
use of Sybase products and optional features.
Please configure where the EDI Products will find
licenses it will use. Will licenses be obtained from
the License Server?
```

- Select Yes to use a SySAM license server. You can use an existing SySAM network license server or you can install a new license server. See “Installing and running a new license server” on page 5.

Provide the host name and port number of the license server.

- Select No to use a local license file.

If you use a local license file, download the license file and copy it to the directory containing the *ECRTP.exe* file. If you accept the default installation path for during installation, copy the license file to *C:\Program Files\Sybase\ECRTPTP*.

- 5 Click Next. The Sybase Software Asset Management Notification window asks you to configure e-mail notification for SySAM events. When you enable e-mail notification, you will receive information about license management events requiring attention. Provide:
 - SMTP server host name.
 - SMTP server port number.
 - Sender's e-mail address.
 - Recipients' e-mail addresses. You can enter multiple e-mail addresses, separated by commas, up to a maximum of 32 characters.
 - Message severity that triggers e-mail messages. You can select from three types of messages—Error, Informational, and Warning.
- 6 Click Next. The Product License Information window displays this prompt:

Please select the correct license type and CPU information, where applicable:

 - Select the license type from the list of available license types for which you have a valid license. See “Sybase product licensing concepts,” in Chapter 2, “Understanding Licensing Concepts and Models” in the *Sybase Software Asset Management 2.0 User's Guide* for more information.
 - Select Not an EDI Server Install since ECRTP/TP is *not* part of the EDI Server bundle.
- 7 Click Next. The installer displays a progress indicator as it installs the components.
- 8 When the installation completes, the installer displays this message:

The InstallShield Wizard has successfully installed Sybase EDI Product 5.1. Before you can use the program, you must restart your computer.
- 9 Restart your computer to complete the installation process.

License configuration files

After you complete your ECRTP/TP installation, you can find the license configuration files in the directory containing the *ECRTP.exe* file. If you accept the default installation path during installation, you can find *ECRTPTP.cfg* in *C:\Program Files\Sybase\ECRTPTP*.

The *ECRTPTP.cfg* configuration file captures the license configuration information of your ECRTP/TP installation. Sybase recommends that you consult Sybase Technical Support before you edit these files.

The *ECRTPTP.property* file captures the e-mail notification information you provide during installation. The *ECRTPTP.property* file is encrypted, but you can edit the e-mail notification portion of the file.

Decoding EDI Licenses

This appendix provides information for determining the authorized deployment for Sybase EDI Products licenses. Determine your authorized deployment by following the procedure in “SySAM self-assessment” on page 11.

EDI Products licenses

Table A-1 provides the information you need to determine the authorized deployment for EDI licenses.

Here is a description of each column in the table:

Column	Description
Product	This is the product name in general use.
License types	<p>This is the formal license type that is a key parameter of a license and corresponds to the column LC, in your Sybase Customer License Report. It governs allowed usage terms of the product and is therefore a key determinant of price. These are the different license types:</p> <ul style="list-style-type: none"> • Current License Types <ul style="list-style-type: none"> • SS – Standalone Seat (not CPU-dependent) • CP – Production (CPU-dependent) • SF – Standby (CPU-dependent) • DT – Development and Testing (CPU-dependent) • Legacy License Types <ul style="list-style-type: none"> • SS – Standalone Seat (not CPU-dependent), also for Development and Testing Server • SR – Production Server (not CPU-dependent) • SV – Standby Server (not CPU-dependent) • OEM License Types <ul style="list-style-type: none"> • AS – Application Deployment Seat (not CPU-dependent) • AC – Application Deployment CPU (CPU-dependent) • BC – Application Deployment Server (CPU-dependent)
Platform: catalog number	This is typically a function of the product and of the platform.
Legacy or current	<ul style="list-style-type: none"> • Current license types are available for sale now. • Legacy license types are no longer available for sale.
CPU-dependent	<p>For <i>CPU-dependent</i> license types, a license is required for each CPU on a machine, for the product to run.</p> <p>Multicore Pricing – the multicore pricing policy requires licensing Sybase software for all physical processors, regardless of the number of processors on which the software is installed or running. A multicore chip with <i>N</i> processors or processor cores is treated as <i>N</i> physical processors or CPUs. This means that for a single chip containing two or more processors or processor cores, all the cores that a chip contains must be licensed.</p>
Authorized Usage	Indicates authorized product usage including Production, Standby or Development/Test. Since there is a price hierarchy, Production may also be used for Standby or Development/Test; Standby also for Development/Test; Development/Test only for Development/Test.
Component: quantity; authorized use	<p>This lists the components that come with the product that SySAM will check. For each component, the following information is listed:</p> <ul style="list-style-type: none"> • Quantity – shows the number of licenses for that component that are included in the product (this number is of interest for EDI Server). • Authorized use – shows the authorized use for that component (note this is the same as the Authorized Usage column except for EDI Server).

Table A-1: EDI Products components and licenses

Product	License types	Platform: catalog number	Legacy or current	CPU-dependent	Authorized usage	Component: quantity; authorized use
ECMAP	SS, AS	Windows: 18810	Current	No	Development /Test	<ul style="list-style-type: none"> • ECMAP: 1; Development/Test • ECRTP: 1; Development/Test
ECMAP Debugger	SS	Windows: 18920	Current	No	Development /Test	ECMAP Debugger: 1; Development/Test
ECRTP	CP, AC	<ul style="list-style-type: none"> • HP: 12037 • IBM: 12036 • Sun: 12041 • Windows: 12043 	Current	Yes	Production	ECRTP on specified platform: 1; Production
ECRTP	SF, BC	<ul style="list-style-type: none"> • HP: 12037 • IBM: 12036 • Sun: 12041 • Windows: 12043 	Current	Yes	Standby	ECRTP on specified platform: 1; Standby
ECRTP	DT	<ul style="list-style-type: none"> • HP: 12037 • IBM: 12036 • Sun: 12041 • Windows: 12043 	Current	Yes	Development /Test	ECRTP on specified platform: 1; Development/Test

Product	License types	Platform: catalog number	Legacy or current	CPU-dependent	Authorized usage	Component: quantity; authorized use
ECRTP	SR	<ul style="list-style-type: none"> • HP: 12037 • IBM: 12036 • Sun: 12041 • Windows: 12043 	Legacy	No	Production	ECRTP on specified platform: 1; Production
ECRTP	SV	<ul style="list-style-type: none"> • HP: 12037 • IBM: 12036 • Sun: 12041 • Windows: 12043 	Legacy	No	Standby	ECRTP on specified platform: 1; Standby
ECRTP	SS	<ul style="list-style-type: none"> • HP: 12037 • IBM: 12036 • Sun: 12041 • Windows: 12043 	Legacy	No	Development /Test	ECRTP on specified platform: 1; Development/Test
ECRTP/TP	AC	Windows: 12045	Legacy	Yes	Production	<ul style="list-style-type: none"> • ECRTP on Windows: 1; Production • ECMAP (limited to TP functions only): 1; Production

Product	License types	Platform: catalog number	Legacy or current	CPU-dependent	Authorized usage	Component: quantity; authorized use
EC Gateway	CP, AC	<ul style="list-style-type: none"> • HP: 12028 • IBM: 12027 • Sun: 12031 • Windows: 12033 	Current	Yes	Production	<ul style="list-style-type: none"> • EC Gateway GUI on Windows: 1; Production • EC Gateway runtime on specified platform: 1; Production • For UNIX platforms, also includes EC Gateway runtime on Windows: 1; Production
EC Gateway	SF, BC	<ul style="list-style-type: none"> • HP: 12028 • IBM: 12027 • Sun: 12031 • Windows: 12033 	Current	Yes	Standby	<ul style="list-style-type: none"> • EC Gateway GUI on Windows: 1; Standby • EC Gateway runtime on specified platform: 1; Standby • For UNIX platforms, also includes EC Gateway runtime on Windows: 1; Standby
EC Gateway	DT	<ul style="list-style-type: none"> • HP: 12028 • IBM: 12027 • Sun: 12031 • Windows: 12033 	Current	Yes	Development /Test	<ul style="list-style-type: none"> • EC Gateway GUI on Windows: 1; Development/Test • EC Gateway runtime on specified platform: 1; Development/Test • For UNIX platforms, also includes EC Gateway runtime on Windows: 1; Development/Test

Product	License types	Platform: catalog number	Legacy or current	CPU-dependent	Authorized usage	Component: quantity; authorized use
EC Gateway	SR	<ul style="list-style-type: none"> • HP: 12028 • IBM: 12027 • Sun: 12031 • Windows: 12033 	Legacy	No	Production	<ul style="list-style-type: none"> • EC Gateway GUI on Windows: 1; Production • EC Gateway runtime on specified platform: 1; Production • For UNIX platforms, also includes EC Gateway runtime on Windows: 1; Production
EC Gateway	SV	<ul style="list-style-type: none"> • HP: 12028 • IBM: 12027 • Sun: 12031 • Windows: 12033 	Legacy	No	Standby	<ul style="list-style-type: none"> • EC Gateway GUI on Windows: 1; Standby • EC Gateway runtime on specified platform: 1; Standby • For UNIX platforms, also includes EC Gateway runtime on Windows: 1; Standby
EC Gateway	SS	<ul style="list-style-type: none"> • HP: 12028 • IBM: 12027 • Sun: 12031 • Windows: 12033 	Legacy	No	Development /Test	<ul style="list-style-type: none"> • EC Gateway GUI on Windows: 1; Development/Test • EC Gateway runtime on specified platform: 1; Development/Test • For UNIX platforms, also includes EC Gateway runtime on Windows: 1; Development/Test

Product	License types	Platform: catalog number	Legacy or current	CPU-dependent	Authorized usage	Component: quantity; authorized use
EDI Server	CP	<ul style="list-style-type: none"> • HP: 19104 • IBM: 19107 • Sun: 19101 • Windows: 19109 	Current	Yes	Production	<ul style="list-style-type: none"> • ECRTP: 1; Production • ECRTP: 3; Standby • ECMAP: 2; Development/Test (not CPU-dependent) • ECRTP: 2; Development/Test (not CPU-dependent) • EC Gateway: 1; Production • EC Gateway: 3; Standby
EDI Server	SF	<ul style="list-style-type: none"> • HP: 19104 • IBM: 19107 • Sun: 19101 • Windows: 19109 	Current	Yes	Standby	<ul style="list-style-type: none"> • ECRTP: 4; Standby • ECMAP: 2; Development/Test (not CPU-dependent) • ECRTP: 2; Development/Test (not CPU-dependent) • EC Gateway: 4; Standby

Product	License types	Platform: catalog number	Legacy or current	CPU-dependent	Authorized usage	Component: quantity; authorized use
EDI Server	SR	<ul style="list-style-type: none"> • HP: 19104 • IBM: 19107 • Sun: 19101 • Windows: 19109 	Legacy	No	Production	<ul style="list-style-type: none"> • ECRTP: 1; Production • ECRTP: 3; Standby • ECMAP: 2; Development/Test (not CPU-dependent) • ECRTP: 2; Development/Test (not CPU-dependent) • EC Gateway: 1; Production • EC Gateway: 3; Standby
EDI Server	SV	<ul style="list-style-type: none"> • HP: 19104 • IBM: 19107 • Sun: 19101 • Windows: 19109 	Legacy	No	Standby	<ul style="list-style-type: none"> • ECRTP: 4; Standby • ECMAP: 2; Development/Test (not CPU-dependent) • ECRTP: 2; Development/Test (not CPU-dependent) • EC Gateway: 4; Standby
EDI Server	SV	<ul style="list-style-type: none"> • HP: 19104 • IBM: 19107 • Sun: 19101 • Windows: 19109 	Legacy	No	Development /Test	<ul style="list-style-type: none"> • ECRTP: 4; Development/Test • ECMAP: 2; Development/Test (not CPU-dependent) • ECRTP: 2; Development/Test (not CPU-dependent) • EC Gateway: 4; Development/Test

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