SeeBeyond™ eBusiness Integration Suite

e*Xchange Partner Manager Release Notes

Release 4.5.1

SeeBeyond™

The information contained in this document is subject to change and is updated periodically to reflect changes to the applicable software. Although every effort has been made to ensure the accuracy of this document, SeeBeyond Technology Corporation (SeeBeyond) assumes no responsibility for any errors that may appear herein. The software described in this document is furnished under a License Agreement and may be used or copied only in accordance with the terms of such License Agreement. Printing, copying, or reproducing this document in any fashion is prohibited except in accordance with the License Agreement. The contents of this document are designated as being confidential and proprietary; are considered to be trade secrets of SeeBeyond; and may be used only in accordance with the License Agreement, as protected and enforceable by law. SeeBeyond assumes no responsibility for the use or reliability of its software on platforms that are not supported by SeeBeyond.

e*Gate, e*Insight, e*Way, e*Xchange, eBI, eBusiness Web, iBridge, Intelligent Bridge, IQ, SeeBeyond, and the SeeBeyond logo are trademarks and service marks of SeeBeyond Technology Corporation. All other brands or product names are trademarks of their respective companies.

© 2001 by SeeBeyond Technology Corporation. All Rights Reserved. This work is protected as an unpublished work under the copyright laws.

This work is confidential and proprietary information of SeeBeyond and must be maintained in strict confidence.

Version 20011015180124.

Contents

e*Xchange Installation Changes

This chapter discusses the changes to the e*Xchange Partner Manager installation between version 4.5 and version 4.5.1. For additional information on the items listed in this chapter, refer to the *e*Xchange Partner Manager Installation Guide*.

1.1 New Features

The following sections describe new features in installation of the 4.5.1 release of the e*Xchange Partner Manager.

1.1.1 New Database Types Supported In the e*Xchange Web Interface

The e*Xchange Web interface now supports the following new database types and/or versions:

- DB2 UDB
- SQL Server versions 7 and 2000
- Sybase versions 11.0 and 12

*Note: DB2 UDB is not supported by e*Xchange Client for Windows.*

1.1.2 New e*Xchange Repository Manager Installation

Installation now offers the option to install a new component, the e*Xchange Repository Manager (eRM). This is a new, Java-based graphical user interface, provided for import/export and archive/de-archive activities.

1.1.3 New Installation Options

The e*Xchange installation now offers the following five options:

- e*Xchange Web Interface
- e*Xchange e*Gate Schema
- e*Xchange Repository Manager

- e*Xchange Database Schema
- e*Xchange Client for Windows

1.2   Changes to Existing Features

Installation of the 4.5.1 version of the e*Xchange Partner Manager includes the changes to existing features described in the following sections.

e*Xchange back end is now named **e*Xchange e*Gate Schema**.

e*Xchange GUI is now named **e*Xchange Client for Windows**.

1.3   Features that Are No Longer Supported

The installation procedure no longer installs the e*Xchange Administrator, which is no longer a part of the e*Xchange product.

User Interface Changes

This chapter discusses the changes to the e*Xchange Partner Manager user interfaces between version 4.5 and version 4.5.1. For additional information on the items listed in this chapter, refer to the *e*Xchange Partner Manager User's Guide*.

2.1 New Features: Web Interface

The following sections describe new features in the 4.5.1 release of the e*Xchange Partner Manager Web interface.

2.1.1 Message Resend Capability

The Web-based message tracking feature also includes the ability to resend messages to trading partners. Certain conditions have to be met, as outlined below.

- A message that is not expecting a response can always be resent.
- A message that is expecting a single response can be resent providing there is an error on the response and the error is one of the following types:
  - Response overdue
  - Hit max re-send limit (or any error beginning with this)
- A message that is expecting multiple responses can be resent providing there is an error on *each* response and all errors are one of the following types:
  - Response overdue
  - Hit max re-send limit (or any error beginning with this)

A message that has already been resent cannot be resent again until the resend process has been completed.

When a message is resent, the send count and last send count are incremented. A manual resend overrides the maximum send count setting.

2.1.2 System Administration

The Web interface now includes System Administration features. The System Administration option allows you to:

- Set system defaults

- Add or modify values to system code tables

  This means that you can set up the Web interface to support a communications protocol not currently supported.

2.1.3 New Approach to User Permissions

The user security feature in the Web interface has been completely redesigned to add flexibility when working with different types of databases and different numbers of users.

For versions prior to 4.5.1, users that were added within the application were also created at the database level. This required the use of database roles for granting permissions to these users so that they could access the e*Xchange database objects. For Oracle, this required the creation of public synonyms for the e*Xchange objects, which in turn, meant that there could be only one e*Xchange schema per database instance. It also meant that, regardless of the user access limits specified within the application, a user that was created within the application could log on to the database directly using SQL*Plus, QueryAnalyzer, and so forth, and could have full access to any data within the schema and database.

This has been completely redesigned for e*Xchange version 4.5.1. There is now only one user at the database level; the schema/database owner. This user is assigned to all default application administration groups. New users are now created via the Web interface. These users are only created at the application level, and have no default database access privileges. When a new user logs in to the application, the application logs into the database as the schema owner and authenticates the new username and password from user information stored in the database tables.

The schema/database owner username and password are stored in the database connection definition file **epm.std**. This file is in XML format. Each database connection is described by a set of XML tags. The <username> and <password> tags store the encrypted version of the schema/database owner username and password. After initial installation, the value for each of those two tags is set to a default of six asterisks (******). When the connection is called for the first time from the Web interface, the user is asked to enter the schema owner's username and password information. e*Xchange encrypts this information and stores it in the **epm.std** file. Once those values are set up, any application users that have been defined in the database can log in to the Web interface directly. When each user logs on, e*Xchange verifies the username and password against the user information stored in the database tables.

This new approach allows tighter security for the information stored in the e*Xchange schema/database, and reduces the database-level privileges required for the schema/database owner. For Oracle, this allows for more than one schema per database instance. When installing a second schema, the user must make sure that tablespace names and locations are unique for the new schema.

2.1.4 User Administration

The Web interface now includes User Administration features, so that you can now set up users and groups via the Web interface and change the information as needed (subject to restrictions provided by your own access rights). Previously, these tasks had to be completed via the e*Xchange Administrator.

Specifically, you can:

- Add users

- Expire and reinstate user access rights

- Create user groups

- Assign users to user groups

- Change a user's password

   Providing you are logged in as an e*Xchange user only (not the schema/database owner), you can change your password via the Change Password option in the User Administration section of the Web interface.

   The schema/database owner cannot change the password from within the Web interface, but must go to the database or operating system level to make this change.

2.1.5 Expanded Online Help

The online help for the e*Xchange Partner Manager Web interface has been expanded, with a lot of additional information about specific fields and their significance and acceptable values. The online help has the following new features:

- A new "look and feel" for increased usability

- Navigational features such as Back and Forward buttons

- A home page

2.2 New Features: e*Xchange Client for Windows

There are no new features in the 4.5.1 release of e*Xchange Client for Windows.

2.2.1 New System Defaults

Two new values were added in System Defaults:

- Maximum Batch Individual Transaction Count (maximum number of transactions of one type to be included in a batch)

- Maximum Batch File Size

These two values work together to ensure outbound batch message sizes are not too large. The first of these limits that is reached determines the maximum batch size. More detailed information on this feature is provided in Chapter 3.

2.3   New Features: e*Xchange Repository Manager

The e*Xchange Repository Manager is a new, Java-based graphical user interface, provided for import/export and archive/de-archive activities.

Because it is Java-based it has the following advantages:

- Can be run on platforms other than Microsoft Windows; for example, UNIX
- Supports UDB databases (the comparable features in e*Xchange Client for Windows do not support UDB)

The e*Xchange Repository Manager is provided as a separate option during e*Xchange Partner Manager installation.

2.4   New Features: General

The following section describes new features supported by both the e*Xchange Partner Manager Web interface and e*Xchange Client for Windows in the version 4.5.1 release.

2.4.1 Support for Additional UN/EDIFACT Version

e*Xchange version 4.5.1 supports the following additional version of UN/EDIFACT:

It supports the following syntax versions:

- D01B

2.5   Changes to Existing Features

This version of the e*Xchange Partner Manager contains the changed features described in the following sections.

2.5.1 Web Interface: Restructured Flow in Profile Management

The flow of information and the sequence of setting up information has been redesigned and streamlined for increased usability. All of the activities relating to a specific profile level (Company, Trading Partner, B2B Protocol, and Message Profile), are now available from a "home" page for that level.

In addition, separate pages at the B2B Protocol and Message Profile levels have been redesigned for increased usability. When setting up a protocol or message profile for the first time, input values are grouped into logical sections and the user pages through each section, entering values, until done.

However, when editing these features, the user can select the section to edit before accessing the Edit page. This streamlines the editing operation and allows the user to complete his editing task with fewer mouse clicks and Web pages of information.

2.5.2 Validation Rules Builder

The Validation Rules Builder now includes additional files to support UN/EDIFACT version D01B.

2.6 Features that Are No Longer Supported

The following features have been removed from the 4.5 release of the e*Xchange Partner Manager.

2.6.1 e*Xchange Administrator

Since the functionality provided by the e*Xchange Administrator has been moved to the Web interface, the e*Xchange Administrator is no longer provided as part of the e*Xchange product.

2.6.2 User Security in e*Xchange Client for Windows

It is no longer possible to set user and group security at the component level in e*Xchange Client for Windows, since the e*Xchange Administrator is no longer part of the product.

e*Xchange Back End Changes

This chapter discusses the changes to e*Xchange Partner Manager back end between version 4.5 and version 4.5.1. For additional information on the items listed in this chapter, refer to the *e*Xchange Partner Manager Implementation Guide*.

3.1 New Features

The following sections describe new features in the 4.5.1 release of e*Xchange.

3.1.1 Support for Additional Databases

e*Xchange now supports the following additional database:

- DB2 UDB

3.1.2 New e*Xchange Functions

Version 4.5.1 includes a number of new functions that provided increased capability, as listed below.

- ux-get-lock-ext-attrib-db

  This function performs an update to an insignificant table first. This will block if an external update is occurring to the record and also locks the record for the current process. Once the update has been performed, the specified attribute is retrieved from the database and updated in the global structures.

- ux-set-fb-overdue

  This function checks the database for fast batch settings. If it finds records that match the specified criteria, it sets the BATCH_SEND_IMM flag to Y. This value represents any fast batch record that has exceeded its timeout used for fast batch transactions.

For more information about these functions, refer to the updated *Functions* chapter in the *e*Xchange Partner Manager Implementation Guide*.

3.1.3 New System Defaults

Two new system default values were added, to allow user-controlled outbound batch size limitations. In System Defaults (both user interfaces) users can now specify the following values for outbound message batches:

- Maximum size (in bytes) for the batch

- Maximum number of messages in a batch

These two values work together to ensure batches are not too large. The first of these limits that is reached determines the maximum batch size.

3.1.4 Support for HTTP with SSL

Version 4.5.1 supports HTTP with SSL (HTTPS) for X12 and UN/EDIFACT. Previously, HTTPS was only available with RosettaNet.

3.2 Changes to Existing Features

The following sections describe features that have been made to the back end in the 4.5.1 release of the e*Xchange Partner Manager.

3.2.1 Changes to the e*Xchange Database

Minor modifications were made to the e*Xchange database to support the additional functionality added in version 4.5.1.

3.2.2 Changes to the e*Gate Schema for e*Xchange

The following changes have been made to the e*Gate schema provided with e*Xchange:

- Added a new inbound dynamic Batch e*Way, eX_Batch_from_Trading_Partner. This one e*Way supports inbound messages for all trading partners using the Batch communications protocol.

- Added a new e*Way that polls the database and feeds values from the trading partner profile into the Dynamic Batch e*Way.

3.2.3 e*Way Changes

e*Xchange now uses the Java-based HTTP e*Way rather than the Monk-based HTTP e*Way.

3.2.4 Revised Documentation

The following changes have been made to the *e*Xchange Partner Manager Implementation Guide.*

- Installation now includes files to support the UN/EDIFACT and RosettaNet detailed scenarios provided in the *e*Xchange Implementation Guide*. This means that users can import sample schemas for use in building and running the scenarios.

- There is a new *Advanced Configuration* chapter that includes instructions on manually creating a validation Collaboration and setting up e*Xchange to use a custom communications protocol.

3.3   Features that Are No Longer Supported

There are no significant features that have been deleted from the back end.