SeeBeyond™ eBusiness Integration Suite

e*Xchange Partner Manager Release Notes

Release 4.5.3

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Chapter 1

e*Xchange Installation Changes

This chapter discusses the changes to the e*Xchange Partner Manager installation between version 4.5.2 and version 4.5.3. 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 4.5.3 release of the e*Xchange Partner Manager.

1.1.1 New Database Versions Supported

e*Xchange 4.5.3 supports the following new database versions:

- Supports Oracle 9i in addition to the previously supported versions of Oracle.
- Supports DB2 UDB 7.2 in addition to the previously supported versions of DB2 UDB.

1.1.2 New Platform Version Supported

e*Xchange 4.5.3 supports the following new platform versions:

- AIX version 5.1 (with e*Gate version 4.5.2 and later) in addition to the previously supported versions of AIX.
- Compaq Tru64 5.1A

1.2 Changes to Existing Features

Installation of the 4.5.3 version of the e*Xchange Partner Manager includes the changes to existing features described in the following sections.

1.2.1 Stcschemutil Updates

Stcschemutil, the utility that upgrades the e*Xchange e*Gate schema from one version to another, has been updated for 4.5.3.

1.3 Features that Are No Longer Supported

There are no installation features that are no longer supported in the 4.5.3 release of e*Xchange.

Chapter 2

User Interface Changes

This chapter discusses the changes to the e*Xchange Partner Manager user interfaces between version 4.5.2 and version 4.5.3. 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 4.5.3 release of the e*Xchange Partner Manager Web interface.

2.1.1. Expanded HIPAA Support

The e*Xchange 4.5.3 GUI allows users to specify customized validation Collaborations. This enables customers to be compliant with HIPAA regulations.

Additional validation Collaborations based on the X12 Implementation Guide rules now provide a more complete HIPAA solution.

For outbound HIPAA transactions, since outbound transactions are generated by the internal system, you have the choice of whether to run validation or not. However, for inbound transactions, generated by an external trading partner, validation is required.

2.1.2. Support of HIPAA-NCPDP

e*Xchange version 4.5.3 now supports the National Council for Prescription Drug Programs (NCPDP) eBusiness protocol for those transactions required by the HIPAA standard. This includes the following versions:

- Telecommunications 5.1
- Batch 1.1

2.1.3. Support for Java-Based Translation Collaborations

The e*Xchange 4.5.3 GUI allows users to specify customized translation Collaborations for all message profiles, for all eBusiness protocols. Translation Collaborations can be either Monk or Java.

2.1.4. New Validation Collaborations

e*Xchange 4.5.3 allows users to specify a validation Collaboration at the Message Profile level. Validation Collaborations are available in the following types for the following eBusiness protocols:

- NCPDP-HIPAA—Monk
- CIDX—Monk
- RosettaNet—Monk or JVSC (Java Service Content Collaboration) for version 2.0, Monk for version 1.1

  JVSC validation Collaborations validate the RosettaNet 2.0 service content.
- X12—Monk and HIPAA for version 4010 HIPAA transactions, Monk for all other versions and for version 4010 transactions that are not HIPAA.

  HIPAA validation Collaborations validate the content of the messages against the rules provided in the appropriate HIPAA Implementation Guide.
- UN/EDIFACT—Monk

2.1.5. Support of AS2

e*Xchange version 4.5.3 now supports the AS2 (Applicability Statement 2) draft security standard. In the Web interface, a Yes/No setting at the B2B protocol level determines whether additional fields are available for AS2 settings at the Message Profile level.

AS2 configuration is done entirely through the Web interface; no back-end setup is needed.

AS2 is supported for the following eBusiness protocols:

- X12 (including HIPAA transactions)
- NCPDP-HIPAA
- UN/EDIFACT

2.1.6. New Contact Feature

e*Xchange 4.5.3 allows users to set up contacts for all components of trading partner profiles: company, trading partner, B2B protocol, and message profile. At each level, contact information can be copied from the previous level.

Up to four contacts can be recorded for each component.

Note: *The e*Xchange Repository Manager does not archive contact information.*

2.2 Changes to Existing Features: Web Interface

This version of the e*Xchange Partner Manager Web interface contains the changed features described below.

2.2.1. Support of Enveloped Message ID in Inbound Message Tracking

The Message Tracking feature in the e*Xchange Web interface now shows Enveloped Message ID for inbound messages if AS2 is in use. Previously, Enveloped Message ID was only available for outbound messages.

2.2.2. New System Default for NCPDP Outbound Batch Timeout

There is a new system default, NCPDP Outbound Batch Timeout. This setting works in conjunction with the normal batch settings specified in the trading partner profile, and affects outbound transactions that are responses to an inbound NCPDP batch. e*Xchange holds the outbound batch until responses to all messages in the inbound batch have been received, but only until this setting times out. If the outbound batch is not complete (missing one or more messages) and no more messages have been received for the timeout time period, the batch is sent out at the next scheduled batch time for the trading partner.

For example: an inbound batch has 10 messages; the 9th response message was received at 8am, and the NCPDP Batch Timeout is set to 2 hours. If the 10th message is not received by 10am, the timeout comes into effect and the batch is no longer held. However, it is not sent out immediately, but at the regularly scheduled batch time for the trading partner profile.

If the normal batch scheduling is set up to send out batches at noon and midnight, this batch would be sent out at noon. If the 10th message is received during the additional wait for the normal scheduled batch time, it is included in the batch; if not, the incomplete batch is sent out at noon.

2.3 Features that Are No Longer Supported

The following sections describe features that are no longer supported in the 4.5.3 release of the e*Xchange Partner Manager graphical user interfaces.

2.3.1. e*Xchange Client for Windows Removed

e*Xchange Client for Windows, the original e*Xchange Partner Manager Windows-based GUI, has now been fully replaced by the e*Xchange Web Interface, and has been removed from the product.

2.3.2. System Defaults Removed

Certain system defaults controlled aspects e*Xchange Client for Windows: for example, the idle shutdown time. Since Client for Windows is no longer supported, these defaults have become redundant and have therefore been removed from the Web interface.

2.3.3. Notes and Action Items Not Supported

Since Notes and Action items was a feature of e*Xchange Client for Windows only, and e*Xchange Client for Windows has been removed, this feature is currently no longer supported by e*Xchange.

Chapter 3

e*Xchange Database and e*Gate Schema Changes

This chapter discusses the changes to the e*Xchange Partner Manager back end between version 4.5.2 and version 4.5.3. 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 4.5.3 release of e*Xchange.

3.1.1. Large Message Handling

e*Xchange 4.5.3 includes a facility for handling large messages. This feature is designed to accommodate HIPAA 835 outbound messages, and can be customized for use with other X12 message types.

The large message handling feature breaks large messages up into manageable portions during processing by means of a new Java Collaboration.

A specific Monk Collaboration, **HIPAA_2K_835_Outb_,** is included with installation. This Collaboration activates back-end code, which splits the large message into portions using the Java Collaboration provided for the 835 transaction. This Collaboration can be used as an example in creating other Collaborations to use this feature with other X12 message types. For more information, refer to the *HIPAA Implementation Guide*.

3.2 Changes to Existing Features

The following sections describe features that have been made to the back end in the 4.5.3 release of the e*Xchange Partner Manager.

3.2.1. Changes to the e*Xchange Database

Significant changes have been made to the e*Xchange database to accommodate support of AS2, NCPDP, and other new features, as follows:

- New System Default

  A new system default has been added to accommodate NCPDP outbound batch processing. For more information, refer to **"New System Default for NCPDP Outbound Batch Timeout" on page 9**.

- New tables to add support for AS2
- New table for NCPDP batch processing
- New code tables to support the new Java X12 HIPAA validations

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

e*Xchange 4.5.3 includes the following changes to the e*Xchange e*Gate schema:

- New configuration file for the eX_ePM e*Way. The functionality of this e*Way has been expanded; there are new parameters, such as Java stack size and heap size.
- New Java Generic e*Way. The e*Xchange schema now uses the Java Generic e*Way. Previously, it used the DART e*Way.
- A new HIPAA e*Way to accommodate processing of HIPAA transactions. Use of this e*Way is optional: if you are not processing HIPAA transactions it can just be left inactive.

3.2.3. Changes to Facilitate NCPDP-HIPAA Support

Various changes have been made to the e*Xchange back end to support the NCPDP-HIPAA transactions.

3.2.4. New Monk Functions to Facilitate AS2 and NCPDP-HIPAA

A number of new Monk functions have been added, including the following:

- Several new functions have been added to accommodate NCPDP-HIPAA processing.
- A number of new functions have been added as part of the support of the AS2 security standard, to facilitate the encryption and decryption of messages and the addition and verification of digital signatures. This includes two new functions that handle acknowledgments for outbound and inbound AS2 MDNs.

3.2.5. Claredi Certification

Using Claredi's HIPAA test tools and test data, SeeBeyond conducted a series of tests on its products and successfully passed certification requirements for WEDI

(Workgroup for Electronic Data Interchange) SNIP (Strategic National Implementation Process) Types (sometimes called Levels) 1 through 6.

However it is important to note that Claredi indicates "certification is only useful when it is not 'generic', but identifies and matches both the requirements of the receiver and the capabilities of the sender."

SeeBeyond products, having successfully gone through the Claredi certification process, will greatly enable implementations to quickly meet certification requirements.

3.3 Changes to Existing Features: e*Xchange Repository Manager

There are no changes to existing features in the 4.5.3 release of the e*Xchange Repository Manager.

3.4 Features that Are No Longer Supported

The following sections describe features that have been deleted from the back end in the 4.5.3 release of e*Xchange.

3.4.1. Monk HIPAA Validations Removed

Since e*Xchange has a new set of Java HIPAA validations, the pre-existing Monk validations are no longer provided with the product.

Note: *If you are already using the Monk HIPAA validations from a previous version, you can continue to use them.*