SeeBeyond™ eBusiness Integration Suite

e*Insight Business Process Manager Release Notes

Release 4.5.2

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Chapter 1

Installation Changes

This chapter discusses the changes to e*Insight Business Process Manager installation between version 4.5.1 (with ESR 42303 installed) and version 4.5.2. For additional information on the items listed in this chapter, refer to the *e*Insight Business Process Manager Installation Guide*.

1.1 New Features

The following sections describe new features in installation of the 4.5.2 release of the e*Insight Business Process Manager.

1.1.1 New e*Gate Java Schema for e*Insight

Standard installation now includes the new e*Gate Java Schema for e*Insight. For more information, refer to **"New e*Gate Java Schema for e*Insight" on page 10**.

1.1.2 Internationalization

e*Insight version 4.5.2 provides significantly expanded international support, as detailed below.

Japanese

e*Insight 4.5.2 provides the following expanded support for Japanese:

- For Oracle only, supports multibyte characters in model names, activity names, attribute names and values, links, and expressions.
- Supports the Japanese character set in eIJSchema and eISchema.

Korean

e*Insight 4.5.2 provides the following expanded support for Korean:

- For Oracle only, supports multibyte characters in model names, activity names, attribute names and values, links, and expressions.
- Supports the Korean (Hangul) character set in eIJSchema and eISchema.

Traditional Chinese

Support for Traditional Chinese is entirely new with e*Insight 4.5.2. The GUI is still in English, but e*Insight supports the items listed below:

- Database support:
  - Oracle 8.1.6 and 8.1.7
  - SQL Server 2000
  - Sybase 12
- For Oracle only, supports multibyte characters in model names, activity names, attribute names and values, links, and expressions.
- Supports the Traditional Chinese characters set in eIJSchema.

1.2 Changes to Existing Features

No changes have been made to the installation of the 4.5.2 version of the e*Insight Business Process Manager.

1.3 Features that Are No Longer Supported

No previously supported features have been removed from the e*Insight 4.5.2 installation process.

Chapter 2

User Interface Changes

This chapter discusses the changes to e*Insight Business Process Manager between version 4.5.1 (with ESR 42303 installed) and version 4.5.2. For additional information on the items listed in this chapter, refer to the *e*Insight Business Process Manager User's Guide*.

2.1 New Features

The following sections describe new features in the 4.5.2 release of the e*Insight Business Process Manager. These new features are additions since the 4.5.1 release.

2.1.1 New e*Gate Schema Option for e*Insight

The **New e*Gate Schema** option, on the **File** menu, allows you to create and name a new e*Gate schema, based on eIJSchema or eISchema, from within e*Insight.

2.1.2 New User-Configurable Settings for the e*Insight Engine

User-definable parameters have been added to the user interface for the following settings:

- Max cache instance size
- Brand by Collaboration
- Using e*Xchange with e*Insight

For more information, refer to **"New Engine Configuration Options" on page 11**.

2.1.3 New Options on Processes Menu

The Processes menu now includes two new, mutually exclusive options; the user selects one to indicate the database structure:

- Model Specific Database
- Generic Database

If the user selects Model Specific Database, another option, Create Model Specific Database, becomes available. This option allows you to create a new database structure to match a specific business process version.

2.2 Changes to Existing Features

The following sections describe changes to existing features in the 4.5.2 release of the e*Insight Business Process Manager.

2.2.1 States Legend

The States legend available in the Monitor mode of e*Insight has been enhanced to meet guidelines set forth in Section 508 of the Electronic and Information Technology Accessibility Standards.

The new legend includes the following:

- New colors that closely match the states at runtime and improve the visibility of an Activity's text description of state by contrasting text on colors appropriately.
- The addition of a modeling object legend that is available in both the Design mode and Monitor mode. This legend shows and describes the shapes that represent the types of modeling objects available.

2.2.2 Updated Report Wizard

The Report Wizard has been improved to simplify the workflow. There is no change to functionality.

2.2.3 Changes to Activity Properties Feature

Within Activity Properties, there is a new drop-down list for selecting the Module Type. Based on the Module Type, Service, and other selections made in the **Activity Properties** dialog box, e*Insight automatically generates the appropriate components in e*Gate.

2.2.4 New Capability to Set Attribute Size

If you use the Model Specific database, you can modify your database to your specific data requirements by controlling the size allocated to each attribute value. Users can now optimize the database by appropriately setting the size for attributes, directly from the GUI.

2.3 Features That Are No Longer Supported

No previously supported features have been removed from the e*Insight 4.5.2 user interface.

Chapter 3

e*Insight Database and e*Gate Schema Changes

This chapter discusses the changes to the e*Insight Business Process Manager back end between version 4.5.1 (with ESR 42303 installed) and version 4.5.2. For additional information on the items listed in this chapter, refer to the *e*Insight Business Process Manager Implementation Guide*.

3.1 New Features

3.1.1 New e*Gate Java Schema for e*Insight

e*Insight installation now includes a new e*Insight Schema, eIJSchema. This allows you to use a Schema that is based entirely on Java. All components in the new Schema contain only Java. eIJSchema is provided in addition to the Schema that was previously supplied with e*Insight.

Some key points about the new Schema:

- Although all Schema components are exclusively Java, the Schema can be integrated with Monk-based components if necessary by adding a JMS IQ for the Monk-based e*Way.
- e*Insight 4.5.2 is backward compatible with any Schema that was based on the standard e*Insight Schema from a previous release.
- Any e*Insight Schemas based on the standard e*Insight Schema from a previous release can be upgraded manually to use the new structure. However, any further changes to a Schema that has been upgraded manually (for example, adding an engine) require additional work.
- The installation allows a user to rename eIJSchema and eISchema - both can be added to the registry for use later as the base Schema template.
- A new menu item in e*Insight allows you to create and name a new e*Gate Schema from directly within e*Insight. This can be based on either eIJSchema or eISchema.

For more information, refer to the *e*Insight Business Process Manager Implementation Guide*.

3.1.2 New Model Specific Database Option

e*Insight now offers the user a choice between two types of database setup:

- Generic—this is the traditional e*Insight database structure for business process models, as used in earlier versions of e*Insight.
- Model Specific—this is a new option. The Model Specific database has a different global and local attribute table structure for every business process model version. The user can automatically generate these custom tables from the menu system, and can regenerate the tables as necessary.

Once the business process model version has been instantiated and has a single instance or more, the table structure and model are locked for run-time and no additional updates to the database structure take place.

The current database structure is unchanged, and has been named "Generic" in the product and documentation.

The new Model Specific database option can be used to optimize the performance of the e*Insight engine at runtime by reducing the number of individual reads/writes between the e*Insight engine and the database repository.

If the user tries to enable a business process model and the model-specific database is out of synchronization with the business process model, e*Insight provides a message asking the user if they would like to automatically update the database.

3.1.3 New Engine Configuration Options

Several configuration options have been added to facilitate enhancements designed to create more streamlined and efficient operations, as follows:

- Max Instance Cache Size

  This new configuration option allows a user to designate how many instances are cached before the oldest instance is dropped from the cache. This option exists to ensure the Java virtual machine (JVM) does not exceed the available memory set by the system.

- Brand by Collaboration

  One of the features of the new eIJSchema (all-Java e*Insight Schema) is that it allows you to have multiple Collaborations associated with a single e*Insight engine which is represented by a Multi-mode e*Way. To ensure that Engine Affinity is possible under this circumstance, a new option, "Brand by Collaboration," has been added. This parameter allows you to name Event Types based on the Collaboration rather than the e*Way name. You can then publish Events using the Collaboration name rather than the engine name.

- Using e*Xchange with e*Insight

  The e*Insight engine uses an Event Type Definition that contains both e*Insight and e*Xchange sections. Setting this to NO causes the e*Xchange section to be ignored. This reduces the time taken to parse the Event.

This is set according to the model/Schema in use; if e*Xchange is not part of the implementation, it is beneficial to set this flag to NO.

3.1.4 Ability to Use Binary XML Marshaling

By default, the e*Insight engine now generates a binary XML message when used in a Java-only environment. This data format reduces unnecessary parsing, which can increase performance.

3.1.5 Purge Scripts

e*Insight now includes purge scripts that allow you to delete instances from the e*Insight database based on a date and the instance status. When running the stored procedure you can specify a number of days to retain instances. For example, you can use the stored procedure to keep instances that completed during the last two days, but delete any instances completed previously.

3.2 Changes to Existing Features

No existing features have changed in the e*Insight back end.

3.2.1 Revised Documentation

The documentation has been updated to reflect new features, changes, and deletions in the user interface.

The following items have been added to the *e*Insight Business Process Manager Implementation Guide*.

- Information on the new e*Gate Java Schema for e*Insight.
- Configuration options to improve performance.

3.3 Features that Are No Longer Supported

No previously supported features have been deleted from the e*Insight 4.5.2 back end.