SeeBeyond™ eBusiness Integration Suite

e*Insight Business Process Manager Release Notes

Release 4.5.1

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Chapter 1

Installation Changes

This chapter discusses the changes to e*Insight Business Process 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*Insight Business Process Manager Installation Guide*.

1.1 New Features

The following sections describe new features in installation of the 4.5.1 release of the e*Insight Business Process Manager.

1.1.1 Automatic Database Upgrade

Database upgrade was added to the installation procedure. Users can now run database upgrade automatically, by selecting it from the installation procedure.

1.2 Changes to Existing Features

The 4.5.1 version of the e*Insight Business Process Manager includes the changes to existing features described in the following sections.

1.2.1 Database Schema Upgrade

The process of upgrading the database schema from 4.5 to 4.5.1 is now available from the installation procedure. When you try to log in to a previous version of the database schema a message appears advising that you need to upgrade. The installation procedure determines which version you are upgrading from, and executes the appropriate scripts.

Alternatively, you can manually edit and run the upgrade scripts.

1.2.2 Revised Documentation

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

- Information on upgrading the database schema from 4.1.2 or 4.5 to 4.5.1.

The appendix sections on upgrading the e*Insight database schema from 4.1.0 to 4.1.1 and 4.1.1 to 4.1.2 remain in the document for reference, in case you are upgrading from 4.1.0 or 4.1.1 to 4.5.

1.3 Features that Are No Longer Supported

No previously supported features have been removed from the e*Insight 4.5.1 installation process.

Chapter 2

User Interface Changes

This chapter discusses the changes to e*Insight Business Process Manager in the 4.5.1 release. 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 4.5.1 release of the e*Insight Business Process Manager. These new features are additions since the 4.5 release.

2.1.1 Dynamic Sub-Processes

A new modeling element, Dynamic Sub-Processes, allows a user to dynamically call a sub-process based on the evaluation of expressions or a Global Attribute value. At runtime, in the Monitor mode, users can navigate to the sub-process that was executed by the business process instance.

2.1.2 Ability to Use a Group in an Authorization or User Activity for Security

The Authorization and User Activities use a Local Attribute (assignedTo) to determine which users can complete the activity. The security in the Authorization or User Activity can now use groups as well as user names. At runtime, a user's login name is compared to the exact value of the Local Attribute; or, if the value in the Local Attribute is a group, e*Insight makes sure that the user is included in the designated group before allowing access.

In addition, a new user security role, Authorization Manager, grants a user the right to Authorize, Reject, or Undo a business process instance from within an Authorization Activity. This role supersedes other security settings within the Activity itself.

2.2 Changes to Existing Features

The following sections describe changes to existing features in the 4.5.1 release of the e*Insight Business Process Manager.

2.2.1 Remote Sub-Processes

The Remote Sub-Process now supports setup and runtime monitoring of the sub-process using only SOAP messages.

Using the Remote Sub-Process to establish trading partner relationships or intra-company services, it is now as simple as identifying a URL and a deployed SOAP service to connect and establish the Sub-Process in the parent business process. By using SOAP messages to communicate all transactions between the parent and sub-process, Trading Partners and intra-company transactions are assured of being secure over the Internet during setup and at runtime, and while monitoring the status of an instance in the Remote Sub-Process.

2.2.2 Ability to Associate Collaboration Rules with an Activity on the Activity Properties Page

The Automated, Authorization, and User Activities now allow you to associate unlimited Collaboration Rules with an Activity. A list of available Collaboration Rules is displayed in the properties dialog and you can either select from the list or create new Collaboration Rules.

2.2.3 Activity Settings in User Activity

The User Activity now has Activity Settings available. These include Manual Restart and Activity Timeout.

2.3 Features That Are No Longer Supported

No previously supported features have been removed from the e*Insight 4.5.1 user interface.

Chapter 3

Back End Changes

This chapter discusses the changes to the e*Insight Business Process 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*Insight Business Process Manager Implementation Guide*.

3.1 New Features

No new features have been added to the e*Insight back end.

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*.

- Sample implementation using the Sub-Process and Dynamic Sub-Process.
- Sample implementation and deployment considerations for the Remote Sub-Process including information on configuring Tomcat/Apache.
- Information on deployment and security considerations for the User Activity.

3.3 Features that Are No Longer Supported

No previously supported features have been deleted from the e*Insight 4.5.1 back end.

3.4 e*Insight Engine—New Configuration and Deployment Options

3.4.1 Auto Model Reload

The e*Insight engine now includes an option to have the e*Insight engine continually check to see which business process model version is enabled or disabled in the e*Insight GUI. At runtime, users can enable and disable models within the e*Insight GUI. The e*Insight engine uses the correct business process model version to complete an instance that is currently running and also uses the newly enabled business process model version for all new business process instances. This option is available as a setting within the e*Insight engine configuration file within e*Gate. This eliminates the requirement to stop and restart an e*Insight engine after a business process model version has been enabled or disabled.

This functionality is valuable when moving from one business process model version to another, since business processes are adjusted for changes in the actual business process environment.

3.4.2 Instance Caching

The e*Insight engine now includes an option to cache in memory all of the information necessary to complete a business process instance. When this option is enabled, the disk access required by the e*Insight engine is greatly reduced. This can have a positive effect on performance of the e*Insight engine at runtime. The e*Insight engine can cache information about the business process instance such as the Global Attribute names and their values, Activity States, Local Attribute names and values, and the state of the business process. With this option turned off (set to NO), the e*Insight engine queries the database for this information each time it processes the next step in the business process, which can cause a performance bottleneck.

Although this functionality can positively impact performance, it also means that an instance will not finish if an e*Insight engine is shut down for any reason in the middle of a business process instance. In that case, the engine must be restarted before the instance will complete. If this feature is *not* turned on, a business process instance can be performed by different e*Insight engines for each step through a business process, amounting to e*Insight engine redundancy in trade for performance.

The option to cache the business process instance information is available as a setting within the e*Insight engine configuration file within e*Gate.

3.4.3 e*Insight Engine Affinity

e*Insight Engine Affinity allows each business process instance to be executed by the same e*Insight engine from beginning to end. By combining use of the e*Insight engine Instance Caching with e*Insight Engine Affinity, a multi-engine e*Gate schema can be optimized for improved performance. Deployment of e*Insight Engine Affinity

involves adding additional engines and ensuring that each e*Gate component publishes a message to that engine.

At runtime, the name of the e*Insight engine that started a business process is passed through the life of the business process instance and used to make sure that Event messages are sent to the appropriate engine.

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