

SUN SEEBEYOND

**eINSIGHT™ BUSINESS PROCESS
MANAGER RELEASE NOTES**

Release 5.1.2



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Introduction

This document summarizes new features and changes to Sun SeeBeyond eInsight™ Business Process Manager.

Note: *eInsight is one of the products of the Java™ Composite Application Platform Suite.*

1.1 Sun Microsystems, Inc. Web Site

The Sun Microsystems web site is your best source for up-to-the-minute product news and technical support information. The site's URL is:

<http://www.sun.com>

1.2 Documentation Feedback

We appreciate your feedback. Please send any comments or suggestions regarding this document to:

CAPS_docsfeedback@sun.com

eInsight Business Process Manager

This chapter discusses new and changed features in eInsight Business Process Manager.

2.1 eInsight — New Features Since Release 5.1.1

eInsight version 5.1.2 offers the following new features:

2.1.1 Support for Oracle Call Interface (OCI)

You can now persist eInsight data with Oracle's thick client.

2.1.2 Improved Performance and Reliability

eInsight is faster and more stable than previous versions.

2.2 eInsight — New Features Since Release 5.1.0

eInsight version 5.1.1 offers the following new features:

2.2.1 Support for BEA WebLogic Application Server 9.1

Deploy Java CAPS Projects to BEA WebLogic Application Server as well as Sun SeeBeyond Integration Server and Sun Java System Application Server.

2.2.2 Enhancements to eInsight/Enterprise Designer's Graphic User Interface (GUI)

Menu shortcuts, toolbars, and other GUI elements have been enhanced to facilitate usability. Also, configuration options have been added to facilitate performance tuning and persistence optimization.

2.3 eInsight — New Features Since Release 5.0.5

eInsight version 5.1.0 offers the following new features:

2.3.1 Single-Click Connectivity Map

Generate and synchronize Connectivity maps with a single click.

2.3.2 Project Explorer Enhancements

Cut, copy, and Paste Business Processes in the Project Explorer.

2.3.3 Snap-to-Grid for Modeling Elements

Activate a Grid on your eInsight Business Process Designer canvas and customize its properties. You can also activate snap-to-grid for better placement of modeling elements.

2.3.4 Auto-Layout for Modeling Elements

Automatically lay out modeling elements on the Business Process Designer Canvas.

2.3.5 Automatically Generate Business Process Documentation

Generate customized HTML reports of your Business Processes.

2.3.6 Business Process Flow Indication

Selecting objects in a Business Process highlights upstream and downstream paths related to the selected object

2.3.7 Auto-Alignment for Modeling Elements

Automatically align modeling elements on the Business Process Designer canvas.

2.3.8 Edit Existing Literals

Edit existing literal values without having to delete them first.

2.3.9 Multi-Concatenation Operator

Concatenate multiple strings with one operator.

2.3.10 **New Marshal and Unmarshal Operators**

Use marshal and unmarshal operators in the Business Rule Designer.

2.3.11 **New Monitoring Functions**

Suspend, Resume, and Terminate Business Process Instances in Enterprise Manager.

2.3.12 **Whole Business Process XA Transactions**

Deploy short-lived Whole Business Process XA transactions.

2.3.13 **Activity-Level XA transactions**

Deploy long-lived XA-supportive components at the Activity level.

2.3.14 **Complex Business Process Deployment**

Deploy multiple versions of Business Processes concurrently at runtime.

2.3.15 **Load Balancing and Failover**

Deploy securely and efficiently using new load balancing and failover algorithms.

2.3.16 **Java-based Workflow APIs**

Access eInsight Workflows with Java-based external applications.

2.3.17 **Java-based Business Process Instance APIs**

Interact with running eInsight Business Processes and Business Process Instances with Java-based external applications.

2.3.18 **Email Notification**

Configure automated email notification with Worklist Manager task assignment and reassignment.

2.3.19 **Sun Java System Application Server Support**

Deploy eInsight Business Processes to Sun Java System Application Server 8.1 Enterprise Edition.

2.3.20 **Support for Japanese**

eInsight now provides a Japanese Graphic User Interface (GUI) for Japanese systems.

2.3.21 Support for Korean

eInsight now provides support for processing and persisting a complete Korean character set.

2.4 eInsight – New Features Since Release 5.0.4

eInsight version 5.0.5 offers the following new features:

2.4.1 Automatic Task Escalation from Timeout

Upon timeout, a task is now automatically escalated to the manager of the current assignee.

2.4.2 Sun ONE and Active Directory Services Authentication for Worklist Manager and User Activity

eInsight now supports Worklist Manager and User Activity authentication with Sun ONE Directory Server and Microsoft Active Directory Services.

2.5 eInsight – New Features Since Release 5.0.3

eInsight version 5.0.4 offers the following new features:

2.5.1 IBM DB2 Universal Database Support

eInsight version 5.0.4 provides support for IBM DB2 Universal Database version 8.1.

2.5.2 Suse Linux Enterprise Server Support

eInsight version 5.0.4 provides support for Suse Linux Enterprise Server 8.

2.5.3 Archive and Purge Script Support

eInsight version 5.0.4 offers support for archive and purge scripts for Oracle 8.1.7, 9.1, 9.2, SQL Server 2000, Sybase 12.5, and UDB DB2 version 8.1. These scripts allow archiving of instance data based on a date retention period and the optional purging of those instances from the eInsight persistence store.

2.5.4 Control Over the Maximum Number of Business Process Instances

eInsight version 5.0.4 offers a new setting that provides the ability to control the maximum number of business process instances handled by one instance of an eInsight engine.

2.5.5 New Method in Business Rules Designer: "exists"

eInsight version 5.0.4 provides a new method, named **exists**, in the Boolean tab of the Method Palette in the Business Rules Designer. This method queries whether an optional node in a Business Process attribute exists and has been given a value. For projects created in 5.0.4, the presence of this new method removes the previous need for a workaround.

2.6 eInsight – New Features Since Release 5.0.2

The following features have been added to eInsight 5.0.3:

2.6.1 Business Rule Designer

Conditional mappings within repeating nodes are now supported using the eInsight Business Rule Designer.

2.6.2 Business Process Monitoring

Business processes that exist within sub-projects will now display in the Enterprise Manager and can be monitored.

2.7 eInsight – New Features Since Release 5.0.1

The following features have been added to eInsight 5.0.2:

2.7.1 Web Services

- Configuration of the Web Services Application has been moved from the Connectivity Map to the Deployment Profile. This allows you to create and deploy more than one connection to Web Services per Integration Server and to more easily change/update the connection information for a Web Service.
- New support for RPC invocation of Web Services (previous support was based on document based invocation (i.e. event based)). RPC based invocation is found more in legacy systems that have been exposed as Web Services.

2.7.2 Business Rule Designer

- Optional nodes within an OTD now appear with a “?” in the eInsight Business Rules Designer.
- Mappings that include repeating nodes are now validated.

2.7.3 Business Process Monitoring

eInsight version 5.0.2 provides the ability to customize the column names for the Business Process Attributes that appear within the monitoring interface.

2.8 eInsight – New Features Since Release 5.0.0

The following features have been added to eInsight 5.0.1:

2.8.1 Worklist Manager

- Additional display features in the Worklist Manager, including a sort feature and the ability to set custom (flex) business process attributes.
- Includes the ability to set pagination, and at runtime, to view and move through multiple pages of assigned tasks.

2.8.2 WSDL Designer

- The WSDL designer supports the creation of multiple-part WSDL messages.

2.8.3 Business Rule Designer

- Improved methods that allow the ability to calculate (increment/decrement) time.

2.9 eInsight – New Features Since Release 4.5.3

The following features have been added to eInsight 5.0:

2.9.1 Business Process Designer

The eInsight Business Process Designer serves as the front-end design tool used to create a visualization of your business workflow. The new graphical user interface provides:

- Enhanced modeling graphics
- Improved usability

- Enhanced Workflow features

2.9.2 New Architecture

The technologies that carry out eInsight's functions are entirely based on industry standards. eInsight's architecture uses the following standards:

- **Web Services Business Process Execution Language (WSBPEL)** is the underlying code generated when creating a business process.
- **Web Services Description Language (WSDL)** is an XML-based language used to define Web services and describe how to access them.
- **Business Process Markup Notation (BPMN)**, from the Business Process Management Initiative (BPMI) standards body, provides a standard graphical view for Business Process Execution Language for Web Services (**WSBPEL**).
- **J2EE Connector Architecture (JCA)** provides a mechanism to access external applications and data. The JCA engine is implemented as a standard JCA 1.5 module and it plugs into the Sun SeeBeyond Integration Server.

2.9.3 Java CAPS Integration

eInsight has a consistent look and feel with all applications in Java CAPS. eInsight is able to leverage many platform level services, such as:

- **Resource Management** - Java CAPS uses a distributed and open architecture that enables components to access system resources (memory and processing power) as needed and in conjunction with other components.
- **Security** - Java CAPS provides a security module for eInsight, to fulfill security needs such as authentication and authorization access to eInsight functions.
- **Repository storage and access** - The setup, component, and configuration information for the elements of a Project, including business process and related eInsight components, are stored in the Repository.
- **Deployment abilities** - Java CAPS provides deployment profiles that contain the information necessary to activate eInsight Project business processes and associated components. When a deployment profile is activated, eInsight's active business processes are made available as Web Services and published to the Java CAPS UDDI Registry.
- **Monitoring** - The Enterprise Manager lends web-based monitoring abilities to eInsight, allowing you to observe and correct business process activity.
- **Connectivity Mapping** - The Connectivity Map maintains the relationships between eInsight and other system components.
- **Version Control** - This feature allows you to maintain multiple versions of the same components and business processes, through a check in and check out process.
- **Impact Analysis** - Impact Analysis allows you to view how changes to one component or business process will impact other components or business processes of a Project or all Projects in the Repository.

- **Import and Export of Business Process Models** - The ability to import and export business process models makes it possible to recreate the processes on other systems or to reuse processes that may be similar in other areas.

2.9.4 Platforms

Platform Support

With this release, eInsight supports the following operating systems:

- Windows Server 2003, Windows XP SP2, and Windows 2000 SP3
- HP Tru64 V5.1A with required patches
- HP-UX 11.0 and 11i with required patches and parameter changes

Note: *Java CAPS only supports HP-UX running on 9000/8xx machines. 9000/800 is 64 bits, but can also run in 32 bits mode. To determine if the system is 32 or 64 bits, type: `getconf KERNEL_BITS`. This returns either 32 or 64.*

- IBM AIX 5.1 and 5.2 with required Maintenance level patches
- Red Hat Enterprise Linux AS 2.1
- Red Hat Linux 8 (Intel Version)
- Sun Solaris 8 and 9 with required patches

For required service packs and patches, see the `readme.txt` and the *eInsight User's Guide*.

Database Support

With this release, eInsight supports the following database applications:

The eInsight database is used to provide a runtime persistent store for recovery as well as a schema use for reporting purposes.

eInsight supports the following databases:

- Oracle 8.1.7, 9.0.1 and 9.2
- Sybase 12.5
- MS SQL Server 2000

Documentation Resource

For a complete list of supported platforms, see the System Requirements sections of the *eInsight Business Process Manager User's Guide*.