

Oracle® Guardian

User's Guide

10.3.2

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This document explains how to use Oracle Guardian to identify and resolve potential problems in your environment before they occur.

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Preface

This preface describes the document accessibility features and conventions used in this guide—*Oracle Guardian User's Guide*.

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Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

About Oracle Guardian

This chapter provides an overview of Guardian components, features, and key concepts. Also provided are basic instructions for using and navigating the Guardian User Interface and Online Help System. Topics include the following:

- [Introduction](#)
- [Guardian User Interface](#)
- [Guardian Online Help System](#)
- [Guardian Command Line Interface](#)
- [Key Concepts](#)
- [Security](#)
- [Key Tasks](#)
- [Example Scenarios](#)
- [Supported Targets](#)

1.1 Introduction

Guardian is a diagnostic tool for identifying potential problems in your environment before they occur, and provides specific instructions for resolving them. Guardian is like having the entire Oracle Support Team scrutinize your domain and immediately present their findings and recommendations to you, at your convenience.

Guardian can run on Windows or Linux systems that have Java Version 5 or higher installed. Guardian can evaluate any platform based on WebLogic Server version 8.1 and higher, regardless of the operating system on which it is running.

To use Guardian, you must first activate one or more *domains* in Guardian. A domain is a logically related group of WebLogic Server resources that you manage as a unit. Activating a domain enables it for Guardian evaluation. You can also organize multiple domains into domain groups. Then, select one or more domains, select a *signature bundle*, and launch an *evaluation*. Guardian then proceeds to evaluate the Signature Bundle against the specified domains, and generates a detailed report of potential issues and their remedies. You can then review the report and decide how to proceed.

See [Section 1.5, "Key Concepts,"](#) for a description of fundamental Guardian concepts. See [Section 2.1, "Basic Tasks,"](#) for a description of and instructions for basic Guardian tasks.

The following section provides an overview and basic navigation instructions for the Guardian User Interface.

1.2 Guardian User Interface

This section provides an overview and basic navigation instructions for the Guardian User Interface. See [Chapter 3, "Command Reference,"](#) for a complete, detailed description of all interface components. See [Chapter 2, "Tasks,"](#) for detailed instructions for specific Guardian tasks.

In general, you will use the Guardian User Interface to perform the majority of Guardian tasks and activities. For some highly repetitive or complex tasks—for example, activating multiple Guardian domains in multiple Guardian instances—you may want to create a Guardian Command Line Interface (CLI) script to automate a series of tasks. See [Section 2.13, "Command Line Interface,"](#) for basic instructions on using the CLI. See [Section 3.8, "Command Line Interface,"](#) for a detailed description of all CLI commands, use, and syntax.

The following sections summarize each of the following elements:

- [Main Menu Bar](#)
- [Main Toolbar](#)
- [Navigation Pane](#)
- [Document Pane](#)
- [Document View Title Bars](#)
- [Context Menus](#)
- [Wizards](#)

See [Chapter 3, "Command Reference,"](#) for a complete detailed description of the Guardian User Interface.

1.2.1 Main Menu Bar

The Main Menu Bar is at the top of the Oracle Guardian main window just below the Oracle Guardian title bar. The Menu Bar contains the following menus:

- **File Menu** — Use this to launch one of the Guardian wizards for activating domains, performing an inventory, or conducting an evaluation. For details about this menu, see [Section 3.1.2, "File Menu."](#)
- **Tools Menu** — Use this to modify, deactivate, or remove domains from Guardian. For details about this menu, see [Section 3.1.4, "Tools Menu."](#)
- **Window Menu** — Use this to open one of the Guardian explorers or to set display preferences. For details about this menu, see [Section 3.1.5, "Window Menu."](#)
- **Help Menu** — Use this to display Guardian online help. For details about this menu, see [Section 1.3, "Guardian Online Help System,"](#) and [Section 3.1.6, "Help Menu."](#)

The Menu Bar menus in turn contain a series of options and submenus, some of which also lead to additional menus, dialog boxes, or wizards.

1.2.2 Main Toolbar

The Main Toolbar is located below the Main Menu, and contains action buttons for the most common Guardian tasks. To identify a button, move your mouse pointer over the button; this displays the tool tip text for that button.

For details about each of the Main Toolbar buttons, see [Section 3.2, "Main Toolbar."](#)

1.2.3 Context Menus

Many views and displays contain context menus. Right-click on an item or anywhere in a display to open the associated context menu. See [Section 3.2.1, "Context Menus,"](#) for a complete description of context menus.

1.2.4 Navigation Pane

The Navigation Pane resides in the left side of the Oracle Guardian main window. The Navigation Pane contains several tabs leading to Explorer Views. You can have multiple Views open at once, but only one can be displayed at a time. Click on a tab to display an Explorer view.

1.2.4.1 Explorer Views

At the top of the Navigation Pane are the Explorer View tabs. Select a tab to display that View. See [Section 3.3.1.1, "Explorer Views,"](#) for a description of the Navigation Pane Explorer Views.

1.2.4.2 Explorer Toolbar Icons

Below each Explorer title bar is the Explorer toolbar. The icons that may be displayed in this toolbar are listed in [Section 3.3.1.2, "Explorer Toolbar Icons."](#)

1.2.4.3 Explorer Toolbar Menus

The Domain Explorer, Signature Explorer, and Bundle Explorer each contain a Menu icon in the right corner of the toolbar. Click the Menu icon to display a menu of operations for that Explorer. For a description of each of the Explorer menus, see [Section 3.3.1.3, "Explorer Toolbar Menus."](#)

1.2.4.4 Explorer Context Menus

Right-click in an Explorer View to display the context menu of tasks and operations you can perform from that View. You can also right-click on a specific item to select it and open the context menu for that item. Menu options that do not apply to your selection are deactivated (greyed out).

See [Section 3.3.1.4, "Explorer Context Menus,"](#) for a complete description.

1.2.5 Document Pane

The Document Pane is located in the central portion of the Oracle Guardian main window. The Document Pane displays the following views:

- Active Domains Table — Lists all domains currently activated in Guardian and a set of action buttons for tasks that can be performed with those domains.
- Domain Inventory — Displays details for an inventory, which includes descriptions of your servers, Java Virtual Machines, operating systems, databases, product versions, and certain configuration settings.
- Evaluation Summary View — Contains a table of all detected signatures for the evaluated domain.
- Shortcuts Table — Lists all shortcuts, and provides action buttons for creating or removing shortcuts.
- Signature View — When you double click a signature entry in the Signature Explorer or Bundle Explorer, details about the signature are displayed in this view.

- **Signature Bundle View** — When you double click a Bundle node in the Bundle Explorer, details about the Bundle are displayed in this view.

Note: You can have multiple Views open in the Document Pane, but only one can be active at a time.

For details about the Document Pane, see [Section 3.4.1, "Document Views."](#)

1.2.5.1 Document View Title Bars

Each View has a title bar that contains the name of the View, an identity icon, and buttons to close, minimize, maximize, and restore the display.

You can also use Document View title bars to group multiple Views together on a title bar as a tab group. Tab groups can be moved together as a unit, using either the **System Menu** > **Move** menu option or drop cursors. You can also move Views by dragging their title bars to different locations.

See [Section 3.4.3, "Document View Title Bars,"](#) for a complete description of title bar features.

1.2.5.2 Document Pane View Context Menus

Each tab page for a View has a context menu specific to the tab contents. Some context menus—for example, Edit menus—may be available only for certain items within that View. To open a context menu, right-click on an item in that View.

1.2.6 Wizards

Oracle Guardian provides the several wizards for guiding you through some of the more complex or common Guardian tasks, including the following:

[Table 1–1](#) summarizes each of the Guardian wizards. For more details, including how to invoke them, see [Section 3.6, "Wizards."](#)

Table 1–1 *Guardian Wizards*

The following wizard is used for . . .
Annotations Wizard	Creating, editing, deleting, and viewing signature annotations.
Bundle Evaluation Wizard	Preselecting a domain and Bundle for Evaluation, and then initiating the evaluation.
Domain Activation Wizard	Preparing a domain for evaluation and conducting an initial inventory of the domain configuration.
Domain Deactivation Wizard	Making a domain no longer available for evaluation. Any shortcuts that use the domain are removed from the Shortcuts Table and Shortcut Explorer. The Domain Inventory and Evaluation Summary data for a domain persists after its deactivation, but is not available for viewing in Domain Explorer.
Evaluation Wizard	Launching an evaluation of one or more domains, during which Guardian evaluates a Signature Bundle against the specified domains and generates a detailed report of potential issues and their remedies.
Filters Wizard	Specifying the signatures that are to be displayed in the Signature Explorer, Bundle Explorer, and Evaluation Summaries.

Table 1–1 (Cont.) Guardian Wizards

The following wizard is used for . . .
Inventory Wizard	Conducting an assessment of your current domain environment. The results are displayed in a Domain Inventory Overview in the Document Pane. The inventory is also added to the Inventory History folder in the Domain Explorer.
Shortcut Wizard	Creating a shortcut that contains predefined evaluation parameters for evaluations you perform frequently, saving you the effort of re-entering the values each time you run the evaluation.
Shortcut Evaluation Wizard	Conducting an evaluation that has its parameters defined by a shortcut that you have created using the Shortcut Wizard.
Service Request Wizard	Creating a service request archive based on a detected signature and saving the service request information as an archive file, which you can send to My Oracle Support.
Update Wizard	Downloading new Oracle Guardian software and signatures from My Oracle Support.

1.2.6.1 Wizard Title Bar Menus

Right-click a wizard title bar to open a context menu of options to Move, Size, or Close the wizard. You can also move or resize a Wizard by dragging the title bar or window borders.

1.3 Guardian Online Help System

The Guardian Online Help system has the following structure:

- [About Oracle Guardian](#) — This section provides an overview of Guardian components, features, and key concepts. Also provided are basic instructions for using and navigating the Guardian User Interface and Online Help System.
- [Tasks](#) — This section provides detailed instructions for Guardian tasks and procedures. Tasks are categorized according to the component or feature to which they apply. The Tasks Help folder contains a number of subfolders, one for each task category. Expand a category folder to see the tasks relating to that topic.
- [Command Reference](#) — This section provides a detailed description of the Guardian User Interface components and features, and a detailed reference guide to the Guardian Command Line Interface.

1.4 Guardian Command Line Interface

The Guardian Command Line Interface (CLI) is a command interpreter that is a `.cmd` batch file for Windows, and a `.sh` shell script for Linux. Both the Windows batch file and the Linux shell script are wrappers that accumulate and organize arguments to the Java command. You can invoke the CLI from a Windows Command Prompt window or a Linux terminal window.

See [Section 2.13, "Command Line Interface,"](#) for basic instructions on using the CLI. See [Section 3.8, "Command Line Interface,"](#) for a detailed description of all CLI commands, use, and syntax.

1.5 Key Concepts

This section provides an overview of Guardian components, features, and key concepts. These include:

- [Guardian Agent](#)
- [Guardian Workspace](#)
- [Guardian Registry](#)
- [Domain](#)
- [Domain Nodes](#)
- [Domain Groups](#)
- [Domain Inventory](#)
- [Signature](#)
- [Signature Bundle](#)
- [Signature Annotations](#)
- [Evaluation](#)
- [Snapshot Evaluation](#)
- [Evaluation Summary](#)
- [Signature Repository](#)
- [Shortcut](#)
- [Service Request Archive](#)

1.5.1 Guardian Agent

The Guardian Agent is a lightweight web application that gathers the data used for evaluations.

The Guardian Agent can collect the following data:

- JMX data
- Java system properties
- Database metadata for your JDBC connection pools
- J2EE Deployment Descriptors from WebLogic instances
- JRockit JMAPI data
- JRockit Runtime Analyzer data
- JRockit thread dump data
- PKI certificate expiration dates

1.5.1.1 Multiple Guardian Agent Threads

If you have one or more managed servers in a domain, the Guardian Agent spawns the appropriate number of threads for communicating between the Guardian Agent on the WebLogic Administration Server, and the Guardian Agent running on the Managed Servers.

An excessive number of threads can affect the performance of the Administration Server, so Guardian provides performance tuning capabilities by enabling you to

specify the maximum number of Agent threads that can be spawned. In addition, in order to manage Agent resources on both the Administration and Managed Servers, you can specify the maximum amount of time (in seconds) that can elapse before a thread is terminated.

See [Section 2.2.2, "Tune Maximum Agent Threads,"](#) and [Section 2.2.3, "Tune Agent Thread Timeout,"](#) for instructions.

1.5.2 Guardian Workspace

The Guardian Workspace is the directory in which all of your Guardian data is stored. It includes the following data for each domain you have defined in Guardian:

- Preferences
- Domain Inventories
- Evaluation Summaries

When you invoke Guardian, you are prompted to select a location for your Guardian Workspace. To prevent loss of work when Guardian is updated or uninstalled, select a Workspace location outside of the Guardian installation directory (see [Section 2.3.1, "Select Workspace"](#)). You can also safely back up your Workspace data by exporting your Workspace to a file also located outside of your Guardian installation directory. See [Section 2.3.2, "Export Workspace,"](#) for instructions.

Although the documents in the Guardian Workspace are persisted as XML files, they are best viewed through the Guardian User Interface. The Guardian User Interface provides a number of tools for viewing, managing, and processing your data, as well as better protection against unintended edits or deletions. See [Section 1.2, "Guardian User Interface,"](#) for basic instructions on using the interface. See [Chapter 3, "Command Reference,"](#) for a detailed description of Guardian User Interface components and features. See [Chapter 2, "Tasks,"](#) for detailed instructions for using the interface to perform specific Guardian tasks.

1.5.3 Guardian Registry

The Guardian registry is an XML document in which your Oracle Guardian configuration specifications are maintained. The Guardian Registry is created during product installation and is updated whenever you modify your configuration or perform certain Guardian operations.

The Guardian Registry identifies the following:

- The domains you have activated
- The Signature Bundles available for evaluation
- The shortcuts you have defined
- Your Guardian workspace locations

1.5.4 Domain

A domain is a logically related group of WebLogic Server resources that are managed as a unit. A domain always includes at least one WebLogic Server instance called the Administration Server. The Administration Server acts as a central point of contact for server instances and system administration tools. A domain may also include additional WebLogic Server instances called Managed Servers.

Each Oracle Guardian installation maintains a registry of active domains. A domain is considered active when it is capable of being evaluated. You can activate and deactivate domains at will, and select which to evaluate at any given time.

See [Section 2.5, "Domains,"](#) for more information.

1.5.5 Domain Nodes

A domain node represents a domain that has been defined in Guardian. When you activate a domain for the first time in Guardian, a node for the new domain is added to the Target Domains folder in the Domain Explorer tree. A unique name is automatically generated for the new domain, based upon your entries in the Domain Activation Wizard.

Note: In the Command Line Interface, the domain node name is referred to as the *domainId* for the domain.

The Domain Explorer displays only the active domain nodes. An active domain is a domain that has been activated (defined for evaluation) in Guardian. This does not refer to the state of the domain servers. If you deactivate a domain in Guardian, that domain is removed from the Domain Explorer tree. However, if you reactivate the domain, the node for that domain is again displayed, and the original contents of the History folders are also again available. Deactivating a domain does not remove the Workspace data for that domain.

See [Section 3.3.2.1, "Domain Nodes,"](#) for more information.

1.5.6 Domain Groups

You can organize the domains in Guardian into Domain Groups for easier management.

see [Section 2.6, "Domain Groups,"](#) for instructions on creating and managing Domain Groups.

1.5.7 Domain Inventory

A Domain Inventory is an XML document that describes the products in a Guardian domain. The inventory includes descriptions of your servers, Java Virtual Machines, operating systems, and databases. The descriptions include product versions as well as some configuration settings.

A Domain Inventory is created when you activate or evaluate a domain. The Inventory History is also refreshed each time a domain is evaluated. You can use the Domain Inventory Wizard in the Guardian User Interface to define and generate a new Domain Inventory.

Domain Inventory files are stored and maintained in your Guardian Workspace. You can use the Domain Explorer in the Guardian User Interface to view and manage Domain Inventories.

1.5.8 Signature

Oracle Support has identified patterns in user domains that can cause problems. These patterns are described in XML documents called *signatures*.

Signatures describe potential problems based on information about your Oracle WebLogic Servers and the environment in which they are deployed, including Java Virtual Machines (JVMs), operating systems, and databases. Signatures contain logic that can identify specific versions of these products as well as their configuration settings.

In addition to the potential problem description, signatures also contain a remedy recommendation and a severity level: 1-Critical, 2-Warning, or 3-Info.

To detect which signatures apply to your domain, you conduct an evaluation. When the evaluation is complete, the results are displayed in an Evaluation Summary. The Evaluation Summary lists all of the detected signatures, along with the severity level, description, and recommended remedy for each.

Signatures form a primary component of Oracle Guardian, since they contain the distilled knowledge of Oracle Support for both detecting potential problems and resolving them.

1.5.9 Signature Bundle

A Signature Bundle is a group of signatures that are evaluated together against one or more specified domains. Signatures are grouped into bundles based on their characteristics. For example, the *Security Advisories* bundle contains signatures that detect potential security problems for which Oracle has issued Security Advisories. The *Service Pack Remedy* bundle contains signatures whose resolution requires installation of a specific service pack.

You can select the bundle to evaluate against one or more domains. Bundles determine the signatures—and consequently, the potential issues—for which to search. The domains you specify determine where to search.

You can use the Bundle Explorer Navigator view to browse the available Signature Bundles and their contents.

See see [Section 2.11, "Bundles,"](#) for instructions about using Bundles. See [Section 3.3.4, "Bundle Explorer,"](#) for details.

1.5.10 Signature Annotations

Signature Annotations enable you to tag a detected signature with one or more persistent annotations about that signature.

An annotation contains the following information:

- **Type** — This indicates the Annotation Type. There are two types: Ignore and Flag.
- **Name** — (Optional) This is a text field into which you can enter a short name for this annotation.
- **Comment** — This is a text field into which you can enter comments or other notes about the signature.
- **Timestamp** — This records the date and time the annotation was created.
- **Domains** — This specifies the Annotation Target for this annotation for this signature. This can be All Domains, This Domain, or This Evaluation.
- **Evaluations** — (Automatic) This specifies one or more Evaluations to which this annotation applies for this signature.

You can use the Annotations Wizard to create, edit, and delete annotations. See [Section 2.10, "Signature Annotations,"](#) for instructions. See [Section 3.6.2, "Annotations Wizard,"](#) for details.

In addition, you can use Signature Filters to specify which annotated signatures are to be displayed in the Signature Explorer, Bundle Explorer, and Evaluation Summaries. See [Section 2.10.5, "Filter Annotated Signatures,"](#) for instructions. See [Section 2.9.2, "Filter Signatures,"](#) for complete instructions on using filters.

1.5.11 Evaluation

To detect which signatures apply to your domain, you conduct an evaluation. When the evaluation is complete, the results are displayed in an Evaluation Summary. The Evaluation Summary lists all of the detected signatures, along with the severity level, description, and recommended remedy for each.

See [Section 2.8, "Inventories and Evaluations,"](#) for more information.

1.5.12 Snapshot Evaluation

A Snapshot Evaluation is a complete assessment of all of the configuration details for a specific domain, at the particular moment the evaluation is executed.

You can compare two Snapshot Evaluations to see very quickly the differences between configurations for two domains, or the same domain at different points in its history.

See [Section 2.8.5, "Compare Inventories or Evaluations,"](#) for instructions.

1.5.13 Evaluation Summary

The results of an evaluation are displayed in an Evaluation Summary. The Evaluation Summary lists all of the signatures from the specified bundle that were detected for the evaluated domain, along with the severity level, description, and recommended remedy for each signature.

1.5.14 Signature Repository

The Signature Repository contains the locally persisted store of signatures available for evaluation. When you download signatures from the Guardian update site, they arrive in a Java Archive (JAR) file. The JAR file is stored in the `repository/archives` directory of your Guardian installation directory.

1.5.15 Shortcut

A Shortcut enables you to streamline the evaluation procedure by predefining and storing the domain, Signature Bundle, and other parameters for evaluations that you perform frequently. You can then evaluate the Shortcut, saving you the effort of re-entering the parameter values each time you want to run the evaluation.

1.5.16 Service Request Archive

A service request archive is a file that you create that can optionally be included with technical questions or issues that you send to My Oracle Support. Customers with a support contract can open a service request on the My Oracle Support website at <http://www.oracle.com/support/premier/myoraclesupport.html>.

When you conduct an evaluation that detects a signature, you can create a service request archive directly from a selected signature in an Evaluation Summary. Guardian creates and saves the service request archive, which you can optionally send to Oracle Support. Service request archives include all of the information from the signature and are stored as files with the file name extension `.car`. This enables a Oracle support engineer to begin working on your service request upon receipt of the archive. You can also add any additional attachments and notes before sending the service request archive to Oracle.

To learn more about My Oracle Support and service requests, see the My Oracle Support *Getting Started Guide*, available at https://metalink.oracle.com/cgi-bin/cr/getfile.cgi?p_attid=735496.1:doc.

1.6 Security

This section includes the following topics:

- [Section 1.6.1, "Authentication"](#)
- [Section 1.6.2, "Data Encryption"](#)
- [Section 1.6.3, "Secure Transmission"](#)

1.6.1 Authentication

To safeguard your domains, Guardian requires valid login credentials for all communications between Guardian and your Guardian domains. Whenever you conduct an evaluation or activate a domain, Guardian prompts you for the username and password of an Administrator or Monitor account on the target domain. You can choose to store the username and password so you do not have to enter them for every evaluation. All usernames, passwords, and server names persisted on disk are encrypted.

1.6.2 Data Encryption

Any passwords, usernames, or server names persisted on disk are encrypted. This encryption helps prevent the disclosure of any clear text data that could compromise the security of your domain. SSL encryption is available for communication between Guardian and your domains and between Guardian and Oracle. Guardian uses 128 bit open source encryption for SSL. However, the configuration on the server for the domain determines whether or not Guardian will use 128 bit SSL encryption when activating that domain.

Note: Oracle recommends using SSL encryption for communication between the client and the Guardian Agent.

1.6.3 Secure Transmission

Secure Sockets Layer (SSL) encryption is available for all communication with Oracle over the Internet, and all communication with Guardian Agents in your target domains.

Note: Oracle recommends using SSL encryption for communication between the client and the Guardian Agent. Guardian uses 128 bit open source encryption for SSL. However, the configuration on the server for the domain determines whether or not Guardian will use 128 bit SSL encryption when activating that domain.

If you want to use SSL, there are three types of communication to consider:

- Target domain communication - To use SSL encryption for communications between Oracle Guardian and your target domains, select the `https://` communications protocol option in the Domain Activation Wizard. See [Section 2.5.1, "Activate Domain,"](#) for instructions.
- Signature downloads - To use SSL encryption when downloading signatures from Oracle Support, select **Require SSL** in the Guardian Preferences page. See [Section 2.4, "Preferences,"](#) for instructions about configuring your Guardian preferences.

1.7 Key Tasks

There are many ways to configure and use Guardian to diagnose the health of your domains. However, there are four essential tasks that can be considered the primary functions of Guardian. These are as follows:

- [Activate Domain](#)
- [Inventory Domain](#)
- [Evaluate Domain](#)
- [Update Guardian](#)

The following sections provide a brief description of each of these tasks. See [Chapter 2, "Tasks,"](#) for a complete description of all Guardian tasks and procedures.

1.7.1 Activate Domain

Activating a domain prepares the domain for evaluation and conducts an initial inventory of the domain configuration.

To activate a domain, use the Domain Activation Wizard. See [Section 2.5.1, "Activate Domain,"](#) for instructions.

1.7.2 Inventory Domain

A Domain Inventory is a snapshot of all of the configuration details for a domain as it exists at that moment. The results are displayed in a Domain Inventory Overview in the Document Pane. The inventory is also added to the Inventory History folder in the Domain Explorer. Domain Inventories are also generated automatically whenever you activate or evaluate domains.

To inventory a domain, use the Inventory Wizard. See [Section 2.8.1, "Inventory Domain,"](#) for instructions.

1.7.3 Evaluate Domain

To detect which signatures apply to your domain, you conduct an evaluation. Guardian collects data about your domain environment, and identifies which

signatures apply to the domain. When the evaluation is complete, the results are displayed in an Evaluation Summary. The Evaluation Summary lists all of the detected signatures, along with the severity level, description, and recommended remedy for each.

You can review the Evaluation Summary to determine your response to any signatures that are detected. If you need more help resolving the potential problem identified by the signature, you can use Guardian to create an Oracle service request archive.

See [Section 2.8.3, "Evaluate Domain,"](#) for instructions on conducting evaluations.

1.7.4 Update Guardian

Oracle Support Engineers create new signatures every day, and new application enhancements to Guardian are also periodically released. The Guardian Update feature enables Guardian to connect directly to the Guardian Update site to automatically download and install new signatures and product updates. To update Guardian on servers that do not have Internet access, you can perform a manual update.

See [Section 2.18, "Updates and Upgrades,"](#) for instructions about performing both automatic and manual updates.

1.8 Example Scenarios

The following scenarios are examples of some of the different ways you can use Guardian to find problems before they impact your environment.

1.8.1 Scenario 1: Development Cycle Evaluations

As you develop an application and migrate from development to quality assurance to production, you can run an evaluation at each stage. Guardian will help ensure that each phase of your development process is compliant with Oracle best practices.

1.8.2 Scenario 2: Heavy Load Evaluations

Some signatures are designed to evaluate runtime domain settings. Running an evaluation under heavy load can detect potential problems that would not otherwise be detected. Oracle recommends conducting these evaluations during load and performance testing.

1.8.3 Scenario 3: Application Update Evaluations

After you update an existing application, you can run an evaluation to assess the deployment. Guardian will help you find any potential problems that could impact your upgrade.

1.8.4 Scenario 4: Vendor Software Update Evaluations

After you install a new Oracle patch, service pack, or upgrade, or install or upgrade third party software, you can run an evaluation to identify any new issues that may have been introduced.

1.8.5 Scenario 5: Post Repair Evaluations

If Guardian earlier detected a signature, and you subsequently applied the remedy or made other changes to your system, you can run an evaluation to confirm that the signature is no longer detected and no new issues were introduced.

1.8.6 Scenario 6: Post Domain Change Evaluations

If you made changes to your domain configuration or settings, you can run an evaluation to confirm that the result is compliant with Oracle best practices.

1.8.7 Scenario 7: Scheduled Overnight Evaluations

If you are concerned about domain settings being incorrectly changed overnight, or your domain is approaching certain resource limits, you can schedule evaluations to run overnight. You can review the Evaluation Summary in the morning and decide if any detected signatures merit further investigation.

1.8.8 Scenario 8: Heartbeat Evaluations

Guardian evaluations are designed to have as minimal an impact on throughput and CPU usage as possible. If your domain has extra capacity, you can schedule Guardian to run evaluations at regular intervals; for example, every 15 minutes. Then, if any changes are made or certain thresholds are reached, you can be notified quickly.

1.8.9 Scenario 9: Diagnostic Evaluations

If you notice a problem on your domain, you can run an evaluation. Even if an earlier evaluation detected no signatures, something may have changed since that time to cause the new problem. Guardian can be your first line of defense in diagnosing and repairing domain problems.

1.9 Supported Targets

Supported Targets are the environments that Oracle Guardian can target for evaluations.

Basically, Guardian can target any platform for evaluation that allows it to install and communicate with the Guardian Agent. In addition, the Guardian Agent itself must have access to a specific set of Java system information properties and methods that are managed by WebLogic Server MBeans. The Oracle products capable of supporting these operations are based on WebLogic Server versions 8.1 and above. Because some Oracle products supported by Guardian contain configuration data that is not managed by WebLogic Server MBeans, Guardian can provide only partial support for those products.

[Table 1–2](#) identifies the Oracle product versions that are fully supported by Oracle Guardian.

Note: For the most current information on Supported Oracle product versions, see the *Oracle Guardian Installation Guide*.

Table 1–2 Oracle Product Versions Fully Supported by Oracle Guardian

Oracle Product	Versions
WebLogic Server	8.1 and above
WebLogic Virtual Edition	1.1
Oracle JRockit JDK	Java Version 5 (Version 1.5) and above

[Table 1–3](#) identifies the Oracle product versions for which support by Oracle Guardian is limited to the configuration data that is managed by WebLogic Server MBeans.

Table 1–3 Oracle Product Versions Partially Supported by Oracle Guardian

Oracle Product	Versions
AquaLogic Data Services Platform	2.0 and above
AquaLogic Service Bus	2.1 and above
WebLogic Communications Platform SIP Server	3.0 and above
WebLogic Integration	8.1 and above
WebLogic Platform	8.1 and above
WebLogic Portal	8.1 and above
WebLogic RFID Enterprise Server	1.1 2.0

This chapter provides detailed instructions for using and managing the following Guardian features and components:

- [Basic Tasks](#)
- [Guardian Agent](#)
- [Workspaces](#)
- [Preferences](#)
- [Domains](#)
- [Domain Groups](#)
- [Proxy Servers](#)
- [Inventories and Evaluations](#)
- [Signatures](#)
- [Signature Annotations](#)
- [Bundles](#)
- [Shortcuts](#)
- [Command Line Interface](#)
- [Creating and Packaging Custom Signatures](#)
- [Redirecting Display of Evaluation Summaries and Domain Inventories](#)
- [Troubleshooting](#)
- [Support](#)
- [Updates and Upgrades](#)

2.1 Basic Tasks

There are many ways to configure and use Guardian to diagnose the health of your domains. However, there are four essential tasks that can be considered the primary functions of Guardian. These are as follows:

- [Activate Domain](#) — Activating a domain prepares the domain for evaluation and conducts an initial inventory of the domain configuration. To activate a domain, use the Domain Activation Wizard.
- [Inventory Domain](#) — A Domain Inventory is an assessment of your current domain environment. The results are displayed in a Domain Inventory Overview

in the Document Pane. The inventory is also added to the Inventory History folder in the Domain Explorer. Domain Inventories are also created automatically whenever you activate or evaluate domains. To inventory a domain, use the Inventory Wizard.

- [Evaluate Domain](#) — To detect which signatures apply to your domain, you conduct an evaluation. Guardian collects data about your domain environment, and identifies which signatures apply to the domain. When the evaluation is complete, the results are displayed in an Evaluation Summary in the Document Pane. The Evaluation Summary lists all of the detected signatures, along with the severity level, description, and recommended remedy for each. You can review the Evaluation Summary to determine your response to any signatures that are detected. If you need more help resolving the potential problem the signature identified, you can use Guardian to create and submit an Oracle service request.
- [Updates and Upgrades](#) — Oracle Support Engineers create new signatures every day, and application enhancements to Guardian are also periodically released. The Guardian Update feature enables Guardian to connect directly to the Guardian Update Site to automatically download and install new signatures and product updates. To update Guardian on servers without Internet access, you can perform a manual update.

There are numerous other Guardian tasks and activities, which are categorized according to the following topics:

- [Section 2.2, "Guardian Agent"](#)
- [Section 2.3, "Workspaces"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.6, "Domain Groups"](#)
- [Section 2.7, "Proxy Servers"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.9, "Signatures"](#)
- [Section 2.10, "Signature Annotations"](#)
- [Section 2.11, "Bundles"](#)
- [Section 2.12, "Shortcuts"](#)
- [Section 2.13, "Command Line Interface"](#)
- [Section 2.14, "Creating and Packaging Custom Signatures"](#)
- [Section 2.15, "Redirecting Display of Evaluation Summaries and Domain Inventories"](#)
- [Section 2.16, "Troubleshooting"](#)
- [Section 2.17, "Support"](#)
- [Section 2.18, "Updates and Upgrades"](#)

The following sections provide detailed instructions for performing the tasks in each of these categories.

2.2 Guardian Agent

This section explains how to perform the following tasks:

- [Deploy the Guardian Agent](#)
- [Tune Maximum Agent Threads](#)
- [Tune Agent Thread Timeout](#)

2.2.1 Deploy the Guardian Agent

The steps you take to deploy the Guardian Agent depend on the version of WebLogic Server you are running, as follows:

- If you are using WebLogic Server version 10.0 or later, the Guardian Agent is already installed and ready for on-demand deployment. Complete the steps described in [Section 2.2.1.1, "Enabling Automatic Deployment,"](#) to deploy the Guardian Agent on all server instances in your WebLogic domain.
- If you are using WebLogic Server version 9.x or earlier, you need to manually deploy the Guardian Agent on all server instances in your domain. Complete the steps described in the following sections:
 - [Section 2.2.1.2, "Deploying the Guardian Agent on WebLogic Server 9.x and Earlier"](#)
 - [Section 2.2.1.3, "Deploying the Guardian Agent on Multiple Servers"](#)

Note the following:

- If you are upgrading from Guardian version 1.0.7 or later, you need to install the new Guardian Agent in the `WL_HOME/server/lib` directory before you can deploy the Guardian Agent, as explained in the sections that follow.
- If you are upgrading from a release of Guardian prior to version 1.0.7, and you are running Guardian on WebLogic Server 9.x or earlier, you might not be able to activate domains in Guardian until you manually deploy the new Guardian Agent in WebLogic Server. To do this, you must first undeploy the old Guardian Agent, and then deploy and start the new Agent.

2.2.1.1 Enabling Automatic Deployment

To enable deployment, which causes the Guardian Agent to be automatically deployed when servers are started in the domain, complete the following steps:

1. Start the WebLogic Server Administration Console, and click **Domain > Configuration > General > Enable Oracle Guardian Agent**.
2. If you are upgrading from Guardian version 1.0.7 or later, install the new Guardian Agent by copying the WAR file named `bea-guardian-agent.war` from the following directory:

```
<root>\guardian\plugins\com.bea.guardian.agent.weblogic_
<guard-version>\weblogic9
```

In the preceding directory path name:

- `<root>` represents the parent directory for the Guardian installation. For example, `C:\Program Files`.
- `<guard-version>` represents the current (updated) Guardian version.

You then insert the copy of the `bea-guardian-agent.war` file into the `WL_HOME/server/lib` directory.

Caution: Do not change the name of the Guardian Agent WAR file when deploying it. Be sure to retain the name `bea-guardian-agent.war`.

3. Restart WebLogic Server.

For complete instructions on installing an enterprise application and enabling automatic deployment, see the *Oracle WebLogic Server Administration Console Online Help*.

Note: If you want to deploy the Guardian Agent to multiple servers or multiple domains, you can also use a WebLogic Scripting Tool script to automate this task. For complete instructions on using the WebLogic Scripting tool to deploy applications, see *Oracle WebLogic Scripting Tool*

2.2.1.2 Deploying the Guardian Agent on WebLogic Server 9.x and Earlier

You can use the WebLogic Server Administration Console to manually deploy the Guardian Agent on that server. This section provides a summary of the basic steps required for WebLogic Server versions 9.x and earlier. For complete instructions for your specific version of WebLogic Server, please see your WebLogic Server documentation and the *Oracle WebLogic Server Administration Console Online Help*. Also see the *Oracle Guardian Installation Guide* and the *Oracle Guardian Release Notes* for additional important information.

To deploy the Guardian Agent from the WebLogic Server Administration Console, complete the following steps:

1. Start the WebLogic Administration Console, and select **Lock & Edit** in the left pane.

Caution: Make sure that **Lock & Edit** is selected for each of the following procedures.

Note: For detailed instructions about this procedure, see "Delete an Enterprise Application" in *Oracle WebLogic Server Administration Console Online Help*.

2. If you have an existing Guardian Agent deployment, stop it, delete it from WebLogic Server, and activate your changes.

By default, the Guardian Agent is named `bea-guardian-agent.war`.

Note: For detailed instructions about this procedure, see the following topics in *Oracle WebLogic Server Administration Console Online Help*:

- "Start and stop a deployed Enterprise Application"
 - "Delete an Enterprise Application"
-
-

3. Install the new Guardian Agent in the `WL_HOME/server/lib` directory and activate your changes.

The Guardian Agent is a WAR file named `bea-guardian-agent.war` and is located in the following directory:

```
<root>\guardian\plugins\com.bea.guardian.agent.weblogic_
<guard-version>\weblogic<wls-version>
```

In the preceding directory name:

- `<root>` represents the parent directory for the Guardian installation. For example:
C:\\Program Files
- `<guard-version>` represents the current (updated) Guardian version.
- `<wls-version>` represents the version of WebLogic Server in which you are deploying this Agent.

Caution: Do not change the name of the Guardian Agent WAR file when deploying it. Be sure to retain the name `bea-guardian-agent.war`.

If you are installing the Agent on WebLogic 8.1.x, copy the `bea-guardian-agent.war` file located in the Guardian `..\\weblogic8` installation directory into the `WL_HOME/server/lib` directory. For WebLogic Server 9.x and 10.0, copy the `bea-guardian-agent.war` file located in the Guardian `..\\weblogic9` installation directory into the `WL_HOME/server/lib` directory.

Note: For detailed instructions about this procedure, see "Install an Enterprise Application" in *Oracle WebLogic Server Administration Console Online Help*.

4. Start the new Guardian Agent in the WebLogic Server.

Note: For detailed instructions about this procedure, see "Start and stop a deployed Enterprise Application" in *Oracle WebLogic Server Administration Console Online Help*.

5. Start Guardian and activate the appropriate domains in Guardian.

Note: See [Section 2.5.1, "Activate Domain,"](#) for detailed instructions about this procedure.

You can now use Guardian to evaluate the activated domains in your environment.

2.2.1.3 Deploying the Guardian Agent on Multiple Servers

If you need to deploy the Guardian Agent on multiple servers in a cluster environment using WebLogic Server version 9.x or earlier, you can use the `weblogic.Deployer` utility to automate this task. (If you are using WebLogic Server version 10.0 or later, see [Section 2.2.1.1, "Enabling Automatic Deployment."](#)) You can also use the Oracle WebLogic Scripting Tool (WLST) to deploy the Agent on multiple servers or multiple domains. This section provides basic instructions for using the `weblogic.Deployer` utility for this purpose. For instructions on using WLST, see *Oracle WebLogic Scripting Tool*.

Note: Please also see the *Oracle Guardian Installation Guide* and *Oracle Guardian Release Notes* for additional important information.

Caution: Do not change the name of the Guardian Agent when deploying it. Be sure to use the default name, `bea-guardian-agent.war`.

To use the `weblogic.Deployer` utility to deploy the Guardian Agent on multiple servers, complete the following steps:

1. Set up your environment to use the `weblogic.Deployer` utility.

For detailed instructions, see "Required Environment for `weblogic.Deployer`" in *Deploying Applications to Oracle WebLogic Server*.

2. From a command window, enter the following command:

```
java weblogic.Deployer -debug -adminurl http://admin_url:port
  -username username -password password -targets adminserver,cluster1,cluster2
  -deploy -sourcerootforupload dir_path\bea-guardian-agent.war
```

In the preceding command:

- *admin_url* represents the URL for the WebLogic Server Administration Server.
- *port* represents the port number for the WebLogic Server Administration Server.
- *cluster1, cluster2* represent the names of all configured clusters.
- *dir_path* represents the directory path to the Guardian Agent WAR file `bea-guardian-agent.war`.

2.2.2 Tune Maximum Agent Threads

If you have one or more managed servers in a domain, the Guardian Agent spawns the appropriate number of threads for communicating between the Guardian Agent on the WebLogic Administration Server and the Guardian Agent running on the Managed Servers. However, an excessive number of threads can affect the

performance of the Administration Server. When tuning for better performance, you can specify the maximum number of Agent threads to allocate to the WebLogic Server Administration Server for a specified domain. The Max. Agent Threads parameter setting determines this value. The default is 10.

There are two ways to tune this parameter:

- When activating the domain, you can set the Max. Agent Threads parameter in the Advanced tab page of the Domain Activation Wizard (see [Section 2.5.1, "Activate Domain,"](#) for details).
- If the domain is already activated, you can set the Max. Agent Threads parameter in the Domain Properties dialog box (see below).
- You can set the Max. Agent Threads parameter in the **Guardian > Evaluation** page of the Preferences pages. See [Section 2.4, "Preferences,"](#) for instructions on setting Preferences.

To tune the Max. Agent Threads value for an activated domain:

1. In the Navigation pane, click the Domain Explorer tab to open the Domain Explorer.
2. Right-click on the domain name and select **Modify Domain** from the context menu.

This displays the Domain Properties dialog box.

3. Select or enter a value in the Max. Agent Threads field.
This can be an integer value from 1 to 20. The default is 10.
4. Click **OK**.

This resets Max. Agent Threads to the specified value for the selected domain.

2.2.3 Tune Agent Thread Timeout

In order to manage Agent resources on both the WebLogic Administration Server and Managed Servers, Guardian enables you to specify the maximum amount of time (in seconds) that can elapse before a thread is terminated. The Agent Thread Timeout parameter governs this timeout. The default is 60.

There are three ways for tuning the Agent Thread Timeout parameter:

- When activating the domain, you can set the Agent Thread Timeout parameter in the Advanced tab page of the Domain Activation Wizard (see [Section 2.4, "Preferences,"](#) for details).
- If the domain is already activated, you can set the Agent Thread Timeout parameter in the Domain Properties dialog box (see below).
- You can set the Agent Thread Timeout parameter in the **Guardian > Evaluation** page of the Preferences pages. See [Section 2.4, "Preferences,"](#) for instructions on setting Preferences.

To tune the Agent Thread Timeout value for an activated domain:

1. In the Navigation pane, click the Domain Explorer tab to open the Domain Explorer.
2. Right-click on the domain name and select **Modify Domain** from the context menu.

This displays the Domain Properties dialog box.

3. Select or enter a value in the Agent Thread Timeout field.
This can be an integer value from 10 to 600. The default is 60.
4. Click **OK**.
This resets Agent Thread Timeout to the specified value for the selected domain.

2.3 Workspaces

This section explains how to perform the following tasks:

- [Select Workspace](#)
- [Export Workspace](#)
- [Import Workspace](#)

The Guardian Workspace is the directory in which all of your Guardian data is stored. It includes the following data for each domain you have defined in Guardian:

- Preferences
- Domain Inventories
- Evaluation Summaries
- Service Request Archives (optional)

To prevent loss of work when Guardian is updated or uninstalled, your Workspace directory must be located outside of the Guardian installation directory. You can safely back up your Workspace data by exporting your Workspace to a file also located outside of your Guardian Installation directory. See [Section 2.3.2, "Export Workspace,"](#) for instructions.

2.3.1 Select Workspace

To specify the location for your Guardian Workspace, you must restart Guardian and specify a new location in the Select Workspace dialog box during startup.

Caution: To prevent loss of work when Guardian is updated or uninstalled, your Workspace directory must be located outside of the Guardian installation directory. You can safely back up your Workspace data by exporting your Workspace to a file also located outside of your Guardian Installation directory. See [Section 2.3.2, "Export Workspace,"](#) for instructions.

To select a Guardian Workspace when starting Guardian:

1. Start Guardian.
Guardian first displays the initial splash screen while loading, and then displays the Select Workspace dialog box.
2. Click **Browse**.
This opens the Browse For Folder dialog.
3. Select or create the folder (directory) to use as your Workspace folder.

Caution: Make sure this directory is not located within the Guardian installation directory.

To use an existing folder, browse to the folder location and select the folder.

To create a new folder:

- a. Click **Make New Folder**.
 - b. Select the location for the folder.
 - c. Enter the name of the folder
4. Click **OK**.

This creates or selects the file and returns to the Select Workspace dialog box.

5. (Optional) Specify this as the default Workspace.

If you do not want to select the Workspace each time you start Guardian, select the checkbox for Use this as the default workspace and do not ask again.

To change this setting at a later time:

- a. Select **Window > Preferences** to open the Preferences page.
- b. In the Preferences tree on the left, select **Guardian**.
- c. Select the **Prompt for workspace on startup** checkbox.
- d. Click **OK**.

The Select Workspace dialog box is displayed the next time you start Guardian.

6. Click **Finish**.

Guardian loads the selected Workspace and completes the startup procedure.

2.3.2 Export Workspace

You can export your Guardian Workspace data to a file, which you can use for backup and recovery purposes, or to import to another Guardian instance.

Caution: To prevent loss of work when Guardian is updated or uninstalled, make sure your Workspace and any Workspace export files are located outside of your Guardian Installation directory.

To export a Guardian Workspace:

1. Select **File > Export**.

This opens the Export Workspace Wizard.

2. In the Export dialog box, open the Guardian folder and select **Guardian Workspace**.

Note: To clear a typed entry, click the Clear icon (file page icon) to the right of the destination field. This clears the Select an export destination field and re-displays the default folder tree.

3. Click **Next**.

4. For **Select File**, specify the file name and location to which to save your Workspace data.

Use one of the following methods to specify the file:

- Type in the absolute path name and file name.
- Click **Browse** to display a file browser from which you can select the file. Click **Save** to select the file and return to the Export Workspace Wizard.

5. Click **Finish**.

This saves your current Workspace as a `.zip` file containing all of your Workspace data, including the `guardian.registry`, `.project`, and `.refresh` files.

2.3.3 Import Workspace

You can import a Guardian Workspace from another Guardian instance, or an exported Workspace data file.

To import a Guardian Workspace:

1. Select **File > Import**.

This opens the Import Workspace Wizard.

2. In the Import Workspace Wizard, open the Guardian folder and select **Guardian Workspace**.

Note: To clear a typed entry, click the Clear icon (file page icon) to the right of the destination field. This clears the Select an import source field and re-displays the default folder tree.

3. Click **Next**.

4. For **Select File**, specify the Workspace file you want to import.

Use one of the following methods to specify the file:

- Type in the absolute path name and file name.
- Click **Browse** to display a file browser from which you can select the file. Click **Save** to select the file and return to the Import Workspace Wizard.

5. Click **Finish**.

This imports the selected Workspace data and returns to the main Guardian window.

2.4 Preferences

This section explains how to perform the following tasks:

- [Configure Preferences](#)
- [Export Preferences](#)
- [Import Preferences](#)

2.4.1 Configure Preferences

You can use the Preferences page to configure your Guardian Preferences and customize your Guardian environment.

To configure your Guardian Preferences:

1. Open the Preferences page.

You can use either of the following methods to open the Preferences page:

- Press Ctrl+Shift+P.
 - Select **Window > Preferences** from the title bar menu.
2. Open a folder and click on a category name to display the preferences in that category.

The left pane of the Preferences page is a navigation tree containing an extensive series of hierarchical folders and subfolders. Each folder and subfolder in the hierarchy is a category of preference attributes that you can configure.

The top level folders are as follows:

- General
- Guardian
- Help
- Install/Update

Note: See [Section 3.5, "Preferences,"](#) for more information.

3. (Optional) Click **Apply** to apply your preference settings for the current category, or click **Restore Defaults** to restore the default values for all Preference page parameters.
4. When you have finished setting your preferences for each category, click **OK**.
This applies and saves all of your new Preference page settings.

2.4.2 Export Preferences

You can export your Guardian Preferences to a file for backup and recovery purposes, or to import to another Guardian instance.

To export your Guardian Preferences to a file:

1. Select **File > Export**.

This opens the Export Preferences Wizard.

2. In the Export Preferences Wizard, open the General folder and select **Preferences**.

Note: To clear a typed entry, click the Clear icon (file page icon) to the right of the destination field. This will clear the Select an export destination field and re-display the default folder tree.

3. Click **Next**.
4. Specify the preferences to export.

Do one of the following:

- Select **Export all** to export all of your Guardian Preferences information.

- Select **Choose specific preferences to export** to display a selection list of preferences in the Preferences box. Then select the individual preferences you want to export, or click **Select All**.
5. In **To preference file**, specify the file name and location to which to save your preferences information.
Use one of the following methods to specify the file:
 - Type in the absolute path name and file name.
 - Click **Browse** to display a file browser from which you can select the file. Then click **Save** to select the file and return to the Export Preferences Wizard.
 6. Click **Finish**.
This saves your current preferences information as a .epf file in the specified location.

2.4.3 Import Preferences

To import a Guardian Preferences from a file:

1. Select **File > Import**.
This opens the Import Preferences Wizard.
2. In the Import Preferences Wizard, open the General folder and select **Preferences**.

Note: To clear a typed entry, click the Clear icon (file page icon) to the right of the destination field. This clears the Select an import source field and re-displays the default folder tree.

3. Click **Next**.
4. For From preference file, specify the file name and location of the file you want to import.
Use one of the following methods to specify the file:
 - Type in the absolute path name and file name.
 - Click **Browse** to display a file browser from which you can select the file. Then click **Save** to select the file and return to the Import Preferences Wizard.
5. Specify the preferences to import.
Do one of the following:
 - Select **Import all** to import all preference information.
 - Select **Choose specific preferences to import** to display a selection list of preferences in the Preferences box. Then select the individual preferences you want to import, or click **Select All**.
6. Click **Finish**.
This replaces your current Preference page settings with the settings from the imported file.

2.5 Domains

This section explains how to perform the following tasks:

- [Activate Domain](#)
- [Activate Multiple Domains](#)
- [Deactivate Domain](#)
- [Modify Domain Properties](#)
- [Purge All Inactive Domains](#)

2.5.1 Activate Domain

A domain is active when it has been defined in Guardian and has been enabled for evaluation.

Note: "Active" does not refer to the state of the domain servers themselves, but rather to whether you have enabled that domain for evaluation.

Activating a domain also results in the following:

- The new domain node is added to the Domain Explorer Target Domains folder.
- Guardian inventories the domain, and displays the Domain Inventory Overview in the Document Pane. In the Domain Explorer, the new inventory is added to the Inventory History folder for that domain.
- The domain is added to the Active Domain Table.
- The domain is added to the Guardian Registry.
- A folder for the domain is added to the Guardian Workspace. The domain folder contains the data from all Domain Inventories and Evaluation Summaries for the domain.

To activate a domain:

Note: If you are unable to activate any domains, you may need to manually deploy the Guardian Agent. See [Section 2.2.1, "Deploy the Guardian Agent,"](#) for instructions.

1. Open the Domain Activation Wizard.

You can use any of the following methods to open the wizard:

- Press Ctrl+Shift+A.
 - Click **Activate** in the Main Toolbar.
 - Select **New > Domain** from the File menu.
 - Click the Domain Explorer tab to open the Domain Explorer. Then, right-click anywhere in the Domain Explorer and select **Activate Domain** from the context menu.
2. Click the General tab and configure the General Domain Properties.

The General tab contains the following fields:

- Protocol — Select one of the following from the drop-down menu:

Note: Oracle recommends using SSL encryption for communication between the client and the Guardian Agent.

- **http://** — Select this to use the HTTP protocol without encryption.
- **https://** — Select this to use HTTP protocol with Secure Sockets Layer (SSL) encryption (recommended). Guardian uses 128 bit open source encryption for SSL. However, the configuration on the server for the domain determines whether or not Guardian will use 128 bit SSL encryption when activating that domain.
- Host Name — The listen address for the WebLogic Administration Server in the target domain.
- Port Number — The listen port for the WebLogic Administration Server for the target domain.
- Username — The username of a WebLogic Server Administrator or Monitor account on the target domain.
- Password — The password for the WebLogic Server Administrator or Monitor account on the target domain.
- Remember Username/Password — Specifies that the domain credentials are to be stored so that you do not have to re-enter them for future domain operations. Usernames and passwords are encrypted when stored.

Note: If you preselect a deactivated domain when you invoke the Domain Activation Wizard, the Protocol, Hostname, and Port fields are automatically filled with the appropriate values.

3. (Optional) Click the Advanced tab and enter the Advanced Domain Properties.

The Advanced tab contains the following fields and options:

- Enable Proxy Connection — Select this if a proxy server is to be used to access the target domain. Then, select a proxy server from the drop-down list. Click **Add Proxy Servers** to add proxy servers to this list (see [Section 2.7.1, "Add Inbound Proxy Servers,"](#) for complete instructions).
- Max. Agent Threads — Select the maximum number of Agent threads to allocate in the WebLogic Server Administration Server. This can be an integer value from 1 to 20. The default is 10.
- Agent Thread Timeout (secs) — Specify the maximum number of seconds that can elapse before an Agent thread is deactivated when collecting data from managed servers. This can be an integer value in the range of 10 to 600. The default is 60.
- Domain Notes — Enter a text description or other details pertaining to this domain. These notes are displayed in inventories and evaluations for this domain.

4. Click **Finish**.

You can now evaluate and inventory the domain.

2.5.2 Activate Multiple Domains

If you need to activate multiple domains in Guardian, you can use a script to automate this procedure.

Note: Oracle recommends using SSL encryption for communication between the client and the Guardian Agent. Guardian uses 128 bit open source encryption for SSL. However, the configuration on the server for the domain determines whether or not Guardian will use 128 bit SSL encryption when activating that domain.

Caution: You must deploy the Guardian Agent to each domain that is to be activated prior to running the activation script. See [Section 2.2.1.3, "Deploying the Guardian Agent on Multiple Servers,"](#) for instructions.

The following is an example script for activating multiple domains:

```
-gactivateDomain -t https://slp7:7001 -u un -p pw -c true
-gactivateDomain -t https://slp8:7001 -u un -p pw -c true
-gactivateDomain -t https://sqa-lldev:4044 -u un -p pw -c true
```

The script can then be run in Guardian Headless Mode by entering the following command:

```
guardianHeadless.cmd -gscript -f activatingScript.txt
```

See [Section 2.13.3, "Running Scripts,"](#) for more information about running scripts.

2.5.3 Deactivate Domain

When you deactivate a domain, it is no longer available for evaluation. Any shortcuts that use the domain are removed from the Shortcuts Table and Shortcut Explorer. The Domain Inventory and Evaluation Summary data persists after deactivation, but is not available for viewing in Domain Explorer. You must reactivate the domain before you can view the data or evaluate the domain.

To deactivate a domain:

1. Open the Domain Deactivation Wizard.

Do one of the following:

- Click on the Domain Explorer tab to open the Domain Explorer. Then, right-click on a domain and select **Deactivate** from the context menu.
- Select **Window > Show View > Active Domains Table**. Then, select a domain from the table and click **Deactivate Domain**.

2. Click on a domain entry to select it.
3. Click **Finish**.

Note: If you click **Finish**, you will not be prompted to confirm the deactivate operation. The domain will be deactivated immediately.

This deactivates the domain and returns to the Domain Explorer or Active Domain Table.

Note: The Domain Deactivation Wizard does not remove the Oracle Guardian Agents that were installed when you activated the domains. For instructions on removing Agents, see *Oracle WebLogic Server Administration Console Online Help*. See [Section 2.5.5, "Purge All Inactive Domains,"](#) for instructions about purging inactive domains from Guardian.

2.5.4 Modify Domain Properties

You can modify the Domain Properties for a domain to customize the way Oracle Guardian communicates with that domain.

To modify the Domain Properties for a domain:

1. Open the Domain Properties configuration page.

Do one of the following:

- Select **Window > Show View > Active Domains Table** to open the Active Domains Table. Then select a domain and click **Modify Domain**.
- Click the Domain Explorer tab to open the Domain Explorer. Then right-click on a domain in the Domain Explorer tree and select **Modify Domain** from the context menu.

2. Configure the Domain Properties.

The Domain Properties configuration page contains the following fields and options:

- Name — The name for this domain. You cannot modify this value.
- Username — The username of an WebLogic Server Administrator or Monitor account on the target domain.
- Password — The password for the WebLogic Server Administrator or Monitor account on the target domain.
- Remember Username/Password — Specifies that the domain credentials are to be stored so that you do not have to enter them for future domain operations.
- Enable Proxy Connection — Select this if a proxy server is to be used to access the target domain. Then, select a proxy server from the drop-down list. This option is disabled if the Proxy Servers list is empty. See [Section 2.7.1, "Add Inbound Proxy Servers,"](#) for instructions on populating and enabling the list.
- Max. Agent Threads — Select the maximum number of Agent threads to allocate in the WebLogic Server Administration Server. This can be an integer value in the range of 1 to 20. The default is 10.
- Agent Thread Timeout (secs) — Specify the maximum number of seconds that can elapse before an Agent thread is deactivated when collecting data from managed servers. This can be an integer value from 10 to 600. The default is 60.
- Notes — Enter a text description or other details pertaining to this domain.

3. Click **OK**.

This applies your new Domain Properties settings to the selected domain.

2.5.5 Purge All Inactive Domains

To remove all deactivated domains from the Domain Explorer, select **Tools > Purge Inactive Domains**.

Caution: You are not prompted to confirm the purge operation. The domains are purged immediately. Purging the inactive domains also deletes the associated Domain Inventories and Evaluation Summaries from the Guardian Workspace and removes the domains from the Guardian Registry.

2.6 Domain Groups

This section explains how to perform the following tasks:

- [Add Domain Group](#)
- [Rename Domain Group](#)
- [Delete Domain Group](#)

2.6.1 Add Domain Group

To create and populate a new Domain Group:

1. In the Navigation Pane, click the Domain Explorer tab to open the Domain Explorer.
2. Right-click on **Target Domains** and select **Add Domain Group** from the context menu.

This opens the Add Domain Group dialog box.

3. In the Name field, enter a name for the Domain Group.
4. Click **OK**.

This adds the new Domain Group to the Domain Explorer tree, and closes the Add Domain dialog box.

5. Populate the Domain Group.

In the Domain Explorer Domain tree, click on a domain name to select it, then drag and drop it into the new Domain Group folder. Repeat this step for each domain you want to include in the new Domain Group.

2.6.2 Rename Domain Group

To rename an existing Domain Group:

1. In the Navigation Pane, click the Domain Explorer tab to open the Domain Explorer.
2. Right-click on **Target Domains** and select **Rename Domain Group** from the context menu.

This opens the Rename Domain Group dialog box.

3. In the Name field, enter the new name for the Domain Group.

4. Click **OK**.

This renames the Domain Group in the Domain Explorer tree and closes the Rename Domain dialog box.

2.6.3 Delete Domain Group

To delete a Domain Group:

1. Click on the Domain Explorer tab to open the Domain Explorer.
2. Remove any domains from the Domain Group.

You cannot delete a Domain Group that contains a domain. If there are domains in the Domain Group, you can drag and drop the domains into the Target Domains folder or into another Domain Group folder.

3. Right-click on the Domain Group you want to delete and select **Delete Domain Group** from the context menu.

This displays a Domain Group Delete Confirmation dialog box prompting you to confirm the delete request.

4. Click **OK**.

This deletes the Domain Group from the Domain Explorer tree and closes the Delete Confirmation dialog box.

2.7 Proxy Servers

This section explains how to perform the following tasks:

- [Add Inbound Proxy Servers](#)
- [Enable Inbound Proxy Connection](#)
- [Enable and Test Outbound Proxy](#)

2.7.1 Add Inbound Proxy Servers

If you want to use an inbound proxy server for communications between Guardian and the WebLogic Server Administration Server, you must first add the proxy server to Guardian.

To add an inbound proxy server:

1. Click **Activate** to open the Domain Activation Wizard.
2. Click the Advanced tab.
3. Click **Add Proxy Servers** to open the Proxy Servers Preferences page.
4. Click **Add** to open the Proxy Properties dialog box.
5. Enter the proxy server Hostname, Port, Username, and Password information.
6. Click **OK**.

This adds the proxy server to the Proxy Servers list in the Proxy Servers configuration page, and dismisses the Proxy Properties dialog box.

7. (Optional) Repeat steps four through six to add additional proxy servers to the list.
8. Click **OK**.

This adds the new proxy server to the Proxy Server drop-down list in the Advanced tab of the Domain Activation Wizard and dismisses the dialog box.

2.7.2 Enable Inbound Proxy Connection

If you want to use an inbound proxy server for communications between Guardian and the WebLogic Administration Server, you must enable the proxy connection.

To enable an inbound proxy connection:

1. Manually deploy the Guardian Agent onto the target domain.
2. If you have not already done so, add the proxy server to the Proxy Server list in the Domain Activation Wizard.

See [Section 2.7.1, "Add Inbound Proxy Servers,"](#) for instructions.

3. Open the Domain Activation Wizard.

You can use any of the following methods to open the wizard:

- Press Ctrl+Shift+A.
 - Click **Activate** in the Main Toolbar.
 - Select **New > Domain** from the File menu.
 - Click the Domain Explorer tab to open the Domain Explorer. Then right-click in the Domain Explorer panel and select **Activate Domain** from the context menu.
4. Click the **Advanced** tab in the Activate Domain Wizard.
 5. Check the **Enable Proxy Connection** checkbox.
 6. Select the proxy server from the drop down list.
 7. Click **Finish**.

2.7.3 Enable and Test Outbound Proxy

If you are using an outbound proxy server for communications between Guardian and the outside world, you will need to test the outbound proxy connection.

Note: if the outbound proxy server normally requires you to enter your username and password credentials for getting access to the internet, there is a chance that Guardian cannot support the proxy configuration. This is particularly true if the proxy server delegates the authentication function to a third party tool. Guardian's support for outbound proxy servers extends only to those servers that perform the authentication in line with the outbound request.

If you are unsure how the outbound proxy server authenticates users, contact your local network administrator or My Oracle Support for more information.

To enable and test an outbound proxy server connection:

1. Select **Window > Preferences** from the title bar menu.

This displays the Preferences page.

2. In the Preferences folder tree (left pane) open the Guardian folder and select **Oracle Support**.
This displays the Oracle Support preferences, which include some settings for proxy testing.
3. In the Oracle Support preferences, select the **Requires Proxy** checkbox.
4. Click **Test Proxy**.
After the test completes, a status message is displayed at the top of the page as to whether or not it was successful.

2.8 Inventories and Evaluations

This section explains how to perform the following tasks:

- [Inventory Domain](#)
- [View Domain Inventories and Evaluation Summaries](#)
- [Evaluate Domain](#)
- [Evaluate Snapshot](#)
- [Compare Inventories or Evaluations](#)
- [Export Inventory or Evaluation](#)

2.8.1 Inventory Domain

A Domain Inventory is an assessment of your current domain environment. The results are displayed in a Domain Inventory Overview in the Document Pane. The inventory is also added to the Inventory History folder in the Domain Explorer. Domain Inventories are also created automatically whenever you activate or evaluate domains.

To inventory a domain:

1. Open the Inventory Wizard.
You can use any of the following methods to open the wizard:
 - Press **Ctrl+Shift+I**.
 - Click **Inventory** on the Main Toolbar.
 - Select **File > New > Inventory**.
 - Click the **Domain Explorer** tab to open the Domain Explorer. Then, right-click on a domain name in the Domain Explorer tree and select **Inventory** from the context menu.
2. If you did not preselect a domain when opening the wizard, select a domain from the Inventory Wizard domain table.
3. Enter the Username and Password of the WebLogic Server Administrator or Monitor account for the target domain.
4. Click **Finish**.

This initiates the Domain Inventory and displays the results in a Domain Inventory Overview in the Document Pane.

2.8.2 View Domain Inventories and Evaluation Summaries

To view an existing Domain Inventory:

1. Click the **Domain Explorer** tab to open the Domain Explorer.
2. Open the Inventory History folder for the domain.
3. Double-click on the inventory name to view the selected Domain Inventory Overview in the Document Pane.

Note that you can redirect the display of Domain Inventories and Evaluation Summaries to a Web browser instead of the Document Pane. See [Section 2.15, "Redirecting Display of Evaluation Summaries and Domain Inventories,"](#) for details.

2.8.3 Evaluate Domain

To identify potential problems before they occur, you can use the Evaluation Wizard to evaluate one or more domains.

Note: The evaluation of some signatures may hang the evaluation. To prevent this, open the Preferences page, and set the **Guardian > Signature Evaluation Threshold** parameter (in milliseconds). Then select the **Enable Safe Evaluation** checkbox. If enabled, the evaluation of a signature is terminated when this threshold is reached, and the Signature ID is written to the Hung Signature List. In addition, if a signature evaluation fails due to a runtime error, that Signature ID is written to the Problem Signature List. Guardian will not attempt to evaluate signatures in the Problem Signature List. See [Section 2.4, "Preferences,"](#) for general instructions on setting Preferences.

Caution: If a server is down when the evaluation is conducted, some signatures might not be detected.

To evaluate a domain:

1. In the Navigation Pane, click the **Domain Explorer** tab to open the Domain Explorer.
2. Select a domain and open the Evaluation Wizard.

Use any of the following methods to select a domain and open the wizard:

- In the Domain Explorer, select a domain and then click the **Evaluation button**. To select multiple domains, press the **Ctrl** or **Shift** key while selecting additional items.
 - Right-click on a domain and then select **Evaluate** from the context menu.
 - Double-click a domain name in the Domain Explorer.
 - Select **File > New > Evaluation** from the title bar.
 - Select **Window > Show View > Active Domains Table** to display the Active Domains Table. Then double-click a domain name to open the wizard for the selected domain.
3. In the Bundle field, select the Signature Bundle to evaluate.

Click the Bundle field for an entry to display a down-arrow icon at the far right of the field. Then click the arrow to open the Bundle drop down menu and select a Signature Bundle. The default is Default Signatures.

4. Enter the credentials for the WebLogic Server for the selected domain.

In the Domain Credentials section, enter the following:

- Username — The username for the WebLogic Server Administrator or Monitor account on the target domain.
- Password — The password for the WebLogic Server Administrator or Monitor account on the target domain.

If you selected multiple domains, you must supply the login credentials for each domain before you can launch the evaluation.

5. (Optional) Select the **Remember username/password** checkbox to save your login credentials for the selected domains.

Select this option if you want your login information to persist so that you do not have to re-enter it each time you evaluate this domain. This is especially useful if you routinely evaluate multiple domains concurrently. Usernames and passwords are encrypted when stored.

6. (Optional) Create a shortcut for this evaluation.

This is useful if you routinely perform this particular type of evaluation. To create a shortcut, select the **Create Shortcut** checkbox and enter a brief name for the shortcut in the text field. See [Section 2.12, "Shortcuts,"](#) for detailed instructions on creating, evaluating, and managing shortcuts.

7. Click **Finish**.

This initiates the evaluation and displays an Evaluation Summary of the results in the Document Pane. In the Domain Explorer, the new Domain Inventory is added to the Inventory History folder and the new Evaluation Summary is added to the Evaluation History folder. See [Section 3.3.2, "Domain Explorer,"](#) for a complete description of the Domain Explorer.

2.8.4 Evaluate Snapshot

A Snapshot Evaluation is a complete assessment of all of the configuration details for a specific domain at the particular moment the evaluation is executed. The process for performing a Snapshot Evaluation is the same as for any other type of evaluation. The primary difference is in the type of Signature Bundle you select for the evaluation, and the type of information the evaluation collects and evaluates.

As with other evaluations, you can compare Snapshot Evaluations. Comparing two Snapshot Evaluations enables you to see very quickly the differences between configurations for those two domains. See [Section 2.8.5, "Compare Inventories or Evaluations,"](#) for instructions.

Notes: Note the following about Snapshot Evaluations:

- If a server is down when the evaluation is conducted, some signatures might not be detected.
 - Generating a Snapshot Evaluation of a large domain may consume a lot of memory and take a long time to complete.
-
-

To evaluate a snapshot of a domain configuration:

1. In the Navigation Pane, click the **Domain Explorer** tab to open the Domain Explorer.
2. Select a domain and open the Evaluation Wizard.

Do one of the following:

- In the Domain Explorer, select a domain and then click the **Evaluation button**.
 - Right-click on a domain name and then select **Evaluate** from the context menu.
3. In the Bundle field, select the type of snapshot to create and evaluate.

Click the Bundle field for an entry to display a down-arrow icon at the far right of the field. Then click the arrow to open the Bundle drop down menu, and select one of the following:

- **Snapshot - All**
 - **Snapshot - JDBC**
 - **Snapshot - JMS**
 - **Snapshot - Security**
4. Enter the credentials for the WebLogic Server for the selected domain.
In the Domain Credentials section, enter the following:
 - Username — The username for the WebLogic Server Administrator or Monitor account on the target domain.
 - Password — The password for the WebLogic Server Administrator or Monitor account on the target domain.

5. Click **Finish**.

This initiates the Snapshot Evaluation and displays an Evaluation Summary of the results in the Document Pane. In the Domain Explorer, the new Domain Inventory is added to the Inventory History folder and the new Evaluation Summary is added to the Evaluation History folder.

2.8.5 Compare Inventories or Evaluations

You can compare inventories or evaluations from the same or different domains. Both objects must be of the same type—that is, two inventories or two evaluations. You cannot compare an inventory against an evaluation.

You can compare any two Evaluation Summaries. Comparing two Snapshot Evaluations is particularly useful, as a Snapshot Evaluation collects and evaluates all of the configuration data for the evaluated domain. Such a comparison enables you to see very quickly the differences between the configurations and their issues for those two domains.

To compare two Domain Inventories or Evaluation Summaries:

1. In the Navigation pane, open the Domain Explorer.
Click the **Domain Explorer** tab, or select **Window > Show View > Domain Explorer**.
2. Open the History folder containing the resources to be compared (Inventory History or Evaluation History).

3. Select the two documents to be compared.
Click on the first item to select it, then press Ctrl+click on the second item.
4. Right-click on the selected items and then select **Compare** from the context menu.

Note: The Compare option remains deactivated until two like items have been selected.

Selecting **Compare** opens the Text Compare display in the Document Pane. The differences between the two documents are highlighted and related segments are shown in boxed sections, with connectors indicating the relationships.

See [Section 3.4.7, "Text Compare View,"](#) for a description of the Text Compare View navigation controls and context menu.

2.8.6 Export Inventory or Evaluation

You can export a Domain Inventory or Evaluation Summary report to a PDF or HTML file for external viewing or archiving.

To export a report:

1. Click the **Domain Explorer** tab in the Navigation Pane to open the Domain Explorer.
2. Open the History folder containing the report you want to save.

The Domain Explorer contains two History folders:

- Inventory History — Contains a linked list of the available Domain Inventory reports.
- Evaluation History — Contains a linked list of the available Evaluation Summary reports.

3. Open the report.

Double-click on a report name to open the report and display it in the Document Pane.

4. Select **File > Save As**.

This opens a standard Save As file browser.

5. Browse to the location to which to save the file.
6. Select the type of file to which to save the report.

For the Save as type: field, select one of the following from the drop-down menu:

- **PDF Files (*.pdf)**
- **HTML Files (*.html)**

7. Enter a file name in the File name field.
8. Click **OK**.

2.9 Signatures

This section explains how to perform the following tasks:

- [View Signature Overview](#)

- [Filter Signatures](#)
- [Sort Signatures](#)

2.9.1 View Signature Overview

To display the Overview for a signature — also called the Signature View — complete the following steps:

1. In the Navigation Pane, click on the **Signature Explorer** or **Bundle Explorer** tab.
This opens the Signature Explorer or Bundle Explorer, respectively. Signature Overviews are accessible only through these two Explorers.
2. Double-click on a signature name in the Navigation Pane.
This displays the overview for that signature in the Document Pane.

2.9.2 Filter Signatures

You can use Signature Filters to specify which signatures are to be displayed in the Signature Explorer, Bundle Explorer, and Evaluation Summaries.

To apply Signature Filters:

1. Open the Filters dialog box.
 - From the Signature Explorer or Bundle Explorer:
Click the Menu icon (small white triangle in the upper right corner) and select **Filters** from the context menu.
 - From an Evaluation Summary:
Right-click on any signature in the Detected Signatures table and select **Filters** from the context menu.
2. Specify your filter settings.
Click a radio button to specify Show or Hide for each filter. The Signature Filters are as follows:
 - Name — Filter according to name. Specify all or a portion of a signature name to use as the filter criteria. This can be a character string or standard regular expression. Enter .* to filter all signatures. The default is Show all (.*)
 - Severity — Filter according to severity. Click a checkbox to select/deselect a severity level. These are: Critical, Warning, and Information. The default is Show all (all selected).
 - Type — Filter annotated signatures according to Annotation Type. Click a checkbox to select/deselect a type. There are two Annotation Types: Flag and Ignore. The default is Hide signatures with an Annotation Type of Ignore. See [Section 1.5.10, "Signature Annotations,"](#) for more information on Annotation Types.
 - Annotation Name — Filter annotated signatures according to Annotation Name. Specify all or a portion of an Annotation Name to use as the filter criteria. This can be a character string or standard regular expression. Enter .* to filter all annotated signatures. The default is Show all (.*)
 - Comment — Filter annotated signatures according to annotation comment. Specify all or a portion of a comment to use as the filter criteria. This can be a

character string or standard regular expression. Enter .* to filter all signatures. The default is Show all (.*).

- Domain — Filter annotated signatures in this domain, as specified above.
 - Evaluation — Filter annotated signatures in this Evaluation, as specified above.
3. Click **OK**.

This applies your filter specifications and returns to the Guardian main window.

2.9.3 Sort Signatures

You can sort the list of signatures displayed in the Signature Explorer, Bundle Explorer, and Evaluation Summaries.

You can sort signatures via either of the following methods:

- [Sort Menu](#)
- [Sorting Dialog Box](#)

The following sections describe each of these methods.

2.9.3.1 Sort Menu

To use the Sort menu to sort signatures:

1. In the Navigation Pane, click the **Signature Explorer** or **Bundle Explorer** tab to open one of these Explorers.
2. Click the Menu icon to open the Explorer menu.
3. Select **Sort Signatures** to open the Sort submenu.
4. Select the category by which to sort.

Select one of the following:

- By Name
- By Severity

The signature lists are automatically reordered according to the selected category.

2.9.3.2 Sorting Dialog Box

You can use the Sorting dialog box to sort signatures in the Detected Signatures table of an Evaluation Summary.

To specify your sort criteria:

1. Right-click on a signature title in the table and select **Sorting** from the context menu.

This opens the Sorting dialog box for specifying the sort order.

2. Specify the sort criteria.

There are four drop-down menus from which you can select a table field. The order in which you select the fields determines the hierarchy of the sort order. For each field, select one of the following:

- By Name
- By Severity

- Impact
 - Product
 - Topic
3. Click a radio button next to each field selection to specify Ascending or Descending order for that field.
 4. Click **OK** to apply your sort criteria to the Detected Signatures table for that Evaluation Summary.

2.10 Signature Annotations

This section explains how to perform the following tasks:

- [Annotate Signature](#)
- [Edit Annotation](#)
- [Delete Annotation](#)
- [View Annotations](#)
- [Filter Annotated Signatures](#)

You can use the Annotations Wizard to create, edit, delete, and view signature annotations.

You can access the Annotations Wizard from the Signatures List in any of the following contexts:

- Evaluation Summary
- Signature Explorer
- Bundle Explorer

To open the wizard, right-click on a signature title and select **Annotations > Manage Annotations** from the context menu.

2.10.1 Annotate Signature

To create an annotation and add it to a signature:

1. Navigate to the Signatures List containing the signature you want to annotate.
The contents of a Signatures List may vary according to the context in which it occurs. Signatures Lists can be found in the following locations:
 - Evaluation Summary
 - Signature Explorer
 - Bundle Explorer
2. Open the Annotations Wizard.
Right-click on the signature title and select **Annotations > Manage Annotations** from the context menu.
3. Click **Add**.
This displays the Add dialog box.
4. Select an Annotation Type.
Select one of the following:

- **Ignore** — Ignore this signature for the specified targets.
 - **Flag** — Flag this signature for the specified targets.
5. (Optional) Enter a Name and Comment for the annotations.
 6. Select an Annotation Target.

Note: This field is available only if you invoked the wizard from an Evaluation Summary. For all other contexts, the default applies (All Domains).

Click the down-arrow next to the Apply to field to display a drop-down menu of Annotation Targets. Select one of the following:

- **All Domains** — Apply this annotation to this signature for all domains.
 - **This Domain** — Apply this annotation to this signature for this domain, only. This option is available only if you are annotating a signature in an Evaluation Summary.
 - **This Evaluation** — Apply this annotation to this signature in this evaluation, only. This option is available only if you are annotating a signature in an Evaluation Summary.
7. Click **Finish**.
 8. Click **OK**.

This adds the new annotation to the Annotations list for the selected signature.

This returns to the Guardian main window. Note that a decoration is added to the icon for the annotated signature.

2.10.2 Edit Annotation

To change an existing annotation:

1. Navigate to the Signatures List containing the signature with the annotation you want to modify.

Note: If the signature is not included in the Signatures List, you may need to temporarily set one or more filter attributes to Show. See [Section 2.9.2, "Filter Signatures,"](#) for instructions.

2. Open the Annotations Wizard.
Right-click on the title of the annotated signature and select **Annotations > Manage Annotations** from the context menu.
3. Select the annotation to be modified and click **Edit**.

Note: The Edit button will be greyed out (deactivated) until you select an annotation.

This displays the Edit dialog box for the selected annotation.

4. Enter your changes.

5. Click **Finish**.

This updates the Annotations list with your changes.

6. Click **OK**.

This updates the appropriate Signatures Lists and returns to the Guardian main window.

Note: If you modified any filter settings in step 1, you can reset the filters to their original settings now. See [Section 2.9.2, "Filter Signatures,"](#) for instructions.

2.10.3 Delete Annotation

To delete an annotation:

1. Navigate to the Signatures List containing the signature with the annotation you want to delete.

Note: If the signature is not included in the Signatures List, you may need to temporarily set one or more filter attributes to Show. See [Section 2.9.2, "Filter Signatures,"](#) for instructions.

2. Open the Annotations Wizard.

Right-click on the title of an annotated signature and select **Annotations > Manage Annotations** from the context menu.

3. Select the annotation to be modified and click **Delete**.

Note: The Delete button remains deactivated until you select an annotation.

This removes the annotation from the Annotations list for that signature.

4. Click **OK**.

This updates the appropriate Signatures Lists and returns to the Guardian main window.

Note: If you modified any filter settings in step 1, you can reset the filters to their original settings now. See [Section 2.9.2, "Filter Signatures,"](#) for instructions.

2.10.4 View Annotations

You can view the annotations for a signature by selecting the signature and then opening the Annotations Wizard. The Annotations Wizard displays a table of all annotations for the selected signature.

You can access the Annotations Wizard from the Signatures List in any of the following contexts:

- Evaluation Summary
- Signature Explorer

- Bundle Explorer

To open the wizard, right-click on a signature title and select **Annotations > Manage Annotations** from the context menu.

2.10.5 Filter Annotated Signatures

You can use Signature Filters to specify which signatures to display in the Signature Explorer, Bundle Explorer, and Evaluation Summaries. Some filters apply specifically to annotated signatures and their attributes.

This section provides instructions for applying filters to annotated signatures, only. See [Section 2.9.2, "Filter Signatures,"](#) for complete instructions on using Signature Filters.

To apply Annotation Filters:

1. Open the Evaluation Summary to which you want to apply the filter.
2. Open the Filter Configuration wizard.

In the Signatures List, right-click on a signature name and select **Filters** from the context menu.

3. Specify your filter settings.

Click a radio button to specify Show or Hide for each filter. The Signature Filters that apply to annotations are as follows:

- **Type** — Filter annotated signatures according to Annotation Type. Click a checkbox to select/deselect a type. There are two Annotation Types: Flag and Ignore. The default is Hide signatures with an Annotation Type of Ignore.
- **Annotation Name** — Filter annotated signatures according to Annotation Name. Specify all or a portion of an Annotation Name to use as the filter criteria. This can be a character string or a standard regular expression. Enter .* to filter all annotated signatures. The default is Show all (.*)
- **Comment** — Filter annotated signatures according to annotation comment. Specify all or a portion of a comment to use as the filter criteria. This can be a character string or standard regular expression. Enter .* to filter all signatures. The default is Show all (.*)

4. Click **OK**.

This applies your filter specifications and returns to the Guardian main window.

2.11 Bundles

This section explains how to perform the following tasks:

- [Explore Bundles](#)
- [View Bundle Overview](#)
- [Evaluate Bundles](#)

2.11.1 Explore Bundles

You can use the Bundle Explorer to view the available Signature Bundles and their contents. See [Section 3.3.4, "Bundle Explorer,"](#) for a detailed description of the Bundle Explorer.

2.11.2 View Bundle Overview

To display an overview of the contents of a Bundle:

1. In the Navigation Pane, click the **Bundle Explorer** tab to open the Bundle Explorer.
2. In the Bundle Explorer, double-click on a bundle name.

This displays the selected Bundle Overview in the Document Pane.

2.11.3 Evaluate Bundles

Use the Bundle Evaluation Wizard to preselect a domain and Bundle for Evaluation, and then initiate the evaluation.

Note: The evaluation of some signatures may hang the evaluation. To prevent this, open the Preferences page, and set the **Guardian > Signature Evaluation Threshold** parameter (in milliseconds). Then select the **Enable Safe Evaluation** checkbox. If enabled, the evaluation of a signature is terminated when this threshold is reached, and the Signature ID is written to the Hung Signature List. In addition, if a signature evaluation fails due to a runtime error, that Signature ID is written to the Problem Signature List. Guardian does not attempt to evaluate signatures in the Problem Signature List. See [Section 2.4, "Preferences,"](#) for general instructions on setting Preferences.

Caution: If a server is down when the evaluation is conducted, some signatures might not be detected.

To open the Bundle Evaluation Wizard:

1. In the Domain Explorer, open the Evaluation History folder.
2. Right-click on an Evaluation Summary and select **Evaluate Bundle** from the context menu.

This opens a submenu containing a list of Bundles available for evaluation.

3. Select a Bundle from the submenu to open the Bundle Evaluation Wizard for that Bundle.

The Bundle Evaluation Wizard opens with the selected domain and Bundle preselected, just as if you had invoked a Shortcut.

4. Enter the credentials for the WebLogic Server for the selected domain.

In the Domain Credentials section, enter the following:

- Username — The username for the WebLogic Server Administrator or Monitor account on the target domain.
- Password — The password for the WebLogic Server Administrator or Monitor account on the target domain.

If you selected multiple domains, you must supply the login credentials for each domain before you can launch the Evaluation.

5. (Optional) Select the **Remember username/password** checkbox to save your login credentials for the selected domains.

Select this option if you want your login information to persist so that you do not have to enter it each time you evaluate this domain. This is especially useful if you routinely evaluate multiple domains concurrently. Usernames and passwords are encrypted when stored.

6. Click *Finish*.

This initiates the evaluation and displays an Evaluation Summary of the results in the Document Pane. In the Domain Explorer, the new Domain Inventory is added to the Inventory History folder, and the new Evaluation Summary is added to the Evaluation History folder.

2.12 Shortcuts

This section explains how to perform the following tasks:

- [Create Shortcut](#)
- [Evaluate Shortcut](#)
- [Delete Shortcut](#)

A Shortcut enables you to streamline the evaluation procedure by predefining and storing the domain, Signature Bundle, and other parameters for evaluations that you perform frequently. You can then evaluate the Shortcut, saving you the effort of re-entering the values each time you want to run the evaluation.

2.12.1 Create Shortcut

A Shortcut enables you to predefine the evaluation parameters for evaluations you perform frequently, saving you the effort of re-entering the values each time you run the evaluation.

You may use either of the following methods to create a Shortcut:

- [Create Shortcut with Shortcut Wizard](#) — Use this method if you want to quickly create a Shortcut without evaluating the selected domain.
- [Create Shortcut with Evaluation Wizard](#) — Use this method if you want to create a Shortcut when evaluating a domain. The parameters you set for the evaluation are then used to create the Shortcut. This method also enables you to enter and save the Administrator login credentials so that you do not have to re-enter them each time you evaluate the Shortcut.

The following sections describe each of these procedures.

2.12.1.1 Create Shortcut with Shortcut Wizard

Use the Shortcut Wizard if you want to quickly create a Shortcut without evaluating the selected domain. However, you will not be able to enter and save the login credentials for the WebLogic Server Administrator or Monitor account. Consequently, you will need to enter these each time you evaluate the Shortcut. See [Section 2.12.1.2, "Create Shortcut with Evaluation Wizard,"](#) for instructions on storing the login credentials when creating a Shortcut.

To use the Shortcut Wizard to create a Shortcut:

1. Open the Shortcut Wizard.

You can use any of the following methods to open the wizard:

- Press Ctrl+Shift+S.

- Select **File > New > Shortcut**.
 - Select **Window > Show View > Shortcuts Table** to open the Shortcuts Table. Then, click **Add Shortcut** in the **Shortcuts Table** toolbar.
 - Right-click in the Domain Explorer or Shortcut Explorer and select **Add Shortcut** from the context menu.
2. Select the domain to associate with the Shortcut.
 3. Select the Signature Bundle to associate with the Shortcut.
Select a Signature Bundle from the Bundle field drop-down menu. This is the Bundle that will be evaluated against the specified domain when you evaluate the Shortcut. The default is Default Signatures.
 4. Select the **Create Shortcut** checkbox and enter a brief name for the Shortcut.
 5. Click **Finish**.
This adds the new Shortcut to the Shortcuts Table and the Shortcut Explorer tree. See [Section 2.12.2, "Evaluate Shortcut,"](#) for instructions on evaluating a Shortcut.

2.12.1.2 Create Shortcut with Evaluation Wizard

You can create a Shortcut by selecting the **Save as Shortcut** option when using the Evaluation Wizard to evaluate a domain. This method of creating a Shortcut enables you to enter and store the Administrator login credentials so that you need not enter them each time you evaluate the Shortcut.

To use the Evaluation Wizard to create a Shortcut:

1. Open the Evaluation Wizard.
You can use any of the following methods to open the wizard:
 - Press Ctrl+Shift+E.
 - Select **File > New > Evaluation**.
 - Right-click in the Domain Explorer and select **Evaluate** from the context menu.
2. Select the domain to associate with the Shortcut.
3. In the Bundle field, select the Signatures Bundle to associate with the Shortcut.
Select a Signature Bundle from the Bundle field drop-down menu. This is the bundle that will be evaluated against the specified domain when you evaluate the Shortcut. The default is Default Signatures.
4. Enter the Username and Password for the WebLogic Server Administrator or Monitor account on the target domain.
5. (Optional) Select the **Remember username/password** checkbox to store your login credentials for the selected domains.
Select this option if you want your login information to persist so that you do not have to enter it each time you evaluate this Shortcut. This is especially useful if you will be evaluating the Shortcut on a frequent basis. Usernames and passwords are encrypted when stored.
6. Select the **Create Shortcut** checkbox and enter a brief name for the Shortcut.
7. Click **Finish**.
This adds the new Shortcut to the Shortcuts Table and the Shortcut Explorer tree. See [Section 2.12.2, "Evaluate Shortcut,"](#) for instructions on evaluating a Shortcut.

2.12.2 Evaluate Shortcut

A Shortcut enables you to predefine the evaluation parameters for evaluations you perform frequently, saving you the effort of re-entering the values each time you run the evaluation. To evaluate a Shortcut, use the Shortcut Evaluation Wizard.

To evaluate a Shortcut:

1. Open the Shortcut Evaluation Wizard.

You can do this using any of the following methods:

- Select **Window > Show View > Shortcuts Table** to open the Shortcuts Table. Then double-click on a Shortcut name in the Shortcut Table.
- Click the **Shortcut Explorer** tab to open the Shortcut Explorer. Then double-click on a Shortcut name in the Shortcut list.
- Click the **Shortcut Explorer** tab to open the Shortcut Explorer. Then right-click on a Shortcut name in the Shortcut list, and select **Evaluate Shortcut** from the context menu.

The Shortcut Evaluation Wizard opens with the predefined values for the selected Shortcut displayed in the domain table. You can change the Bundle selection.

2. If necessary, enter the Username and Password for the WebLogic Server Administrator or Monitor account for the target domain.

If you selected the Remember username/password option when you activated the domain or defined the Shortcut, the Username and Password fields are pre-filled. Otherwise, you must enter this information before launching the evaluation.

3. Click **Finish**.

This launches the evaluation and returns you to the Guardian main window when the evaluation completes. As with a standard evaluation, the Domain Explorer History folders are updated to include an entry for the resulting Domain Inventory and Evaluation Summary. The results of the evaluation are displayed in an Evaluation Summary Overview in the Document Pane.

2.12.3 Delete Shortcut

You can use either of the following methods to delete a Shortcut:

- Select **Window > Show View > Shortcuts Table** to open the Shortcuts Table. Then select a Shortcut from the Shortcut list and click **Delete**.
- Click the **Shortcut Explorer** tab to open the Shortcut Explorer. Then right-click on a Shortcut in the Shortcut list and select **Delete Shortcut** from the context menu.

2.13 Command Line Interface

This section explains how to perform the following tasks:

- [Start Guardian Headless Mode](#)
- [Redirecting Guardian CLI Command Output](#)
- [Running Scripts](#)
- [Viewing CLI Script Results](#)
- [Schedule Scripts](#)
- [Receive Notifications](#)

The Guardian Command Line Interface (CLI) — also called Guardian Headless Mode — is a set of Guardian commands that you can enter directly in the operating system command window. Guardian CLI commands are available for the most common tasks performed via Guardian's User Interface. See [Section 3.8, "Command Line Interface,"](#) for a complete description of these commands and their syntax. See [Section 2.13.1, "Start Guardian Headless Mode,"](#) for instructions about starting the Command Line Interface.

2.13.1 Start Guardian Headless Mode

To start the Guardian Command Line Interface:

Note: Guardian Command Line Interface commands are case sensitive.

1. At the operating system command prompt, change to the Guardian installation directory.

```
cd <root>\guardian\
```

In the preceding command, *<root>* represents the parent directory for the Guardian installation directory.

2. Enter the Guardian Headless command:

- Windows:

```
guardianHeadless.cmd
```

- Linux:

```
guardianHeadless.sh
```

3. (Optional) To display a list of CLI commands and their syntax, enter the following command:

- Windows:

```
guardianHeadless.cmd -ghelp
```

- Linux:

```
guardianHeadless.sh -ghelp
```

Note: Each command must include the prefix `-g` with no trailing space, as shown in the following example:

```
guardianHeadless.cmd -glistActiveDomains
```

The output file is created in the current directory, and is overwritten each time you run a Guardian Headless Mode command. See [Section 2.13.2, "Redirecting Guardian CLI Command Output,"](#) for instructions about redirecting this to a different file.

See [Section 3.8, "Command Line Interface,"](#) for a complete description of Guardian Command Line Interface commands.

2.13.2 Redirecting Guardian CLI Command Output

The following sections explain how to redirect Guardian Headless Mode command output on Windows and Linux systems, respectively.

2.13.2.1 Windows:

On Windows systems, the command output is written to the following file:

```
headless_output.txt
```

The output file is created in the current directory, and is overwritten each time you run a Guardian Headless Mode command.

On Windows systems, you can change the name of this file by modifying the following line in the `guardianHeadless.cmd` script:

```
guardian.exe -noSplash -application com.bea.support.guardian.ui.headless.Headless
%command% %arg1% %val1% %arg2% %val2% %arg3% %val3% %arg4% %val4% %arg5%
%val5% %arg6% %val6% %arg7% %val7% > headless_output.txt 2>&1
```

Replace `headless_output.txt` with the new file name. For example:

```
guardian.exe -noSplash -application com.bea.support.guardian.ui.headless.Headless
%command% %arg1% %val1% %arg2% %val2% %arg3% %val3% %arg4% %val4% %arg5%
%val5% %arg6% %val6% %arg7% %val7% > MyOutputFile.txt 2>&1
```

2.13.2.2 Linux:

On Linux systems, Guardian CLI command output is sent by default to `stdout` and `stderr`, and can be redirected by using the "pipe" (`|`) operator. Please refer to your Linux operating system documentation for instructions.

2.13.3 Running Scripts

You can create a Guardian Command Line script that contains a series of Guardian Command Line Interface commands. You can schedule a script to run at specific times and intervals by using utilities such as the Windows Task Scheduler or the Linux `crontab` command.

See [Section 3.8, "Command Line Interface,"](#) for a complete description of Guardian Command Line Interface commands.

To run a script, enter the following command:

- Windows:

```
guardianHeadless.cmd -gscript -f <script_name>
```

- Linux:

```
guardianHeadless.sh -gscript -f <script_name>
```

In the preceding commands, `<script_name>` represents the path and name of your CLI script.

2.13.4 Viewing CLI Script Results

On Windows systems, the output for CLI commands is written to the following file:

```
headless_output.txt
```


The output file is created in the current directory, and is overwritten each time you run a Guardian Headless Mode command. See [Section 2.13.2, "Redirecting Guardian CLI Command Output,"](#) for instructions about redirecting command output.

For inventory and evaluation operations, the resulting Domain Inventory or Evaluation Summary document is saved in the appropriate History folder in your Guardian Workspace, and an entry is added to the appropriate History folder in the Domain Explorer tree. These can be viewed using the Domain Explorer, just as you would view any other Domain Inventory or Evaluation Summary document.

To view a Domain Inventory or Evaluation Summary document:

1. Open the Guardian User Interface and click the **Domain Explorer** tab to open the Domain Explorer.
2. Open the History folder containing the document you want to view.
3. Select the document to view the contents in the Document Pane.

See [Section 3.3.2, "Domain Explorer,"](#) for a complete description of the Domain Explorer.

2.13.5 Schedule Scripts

To schedule a script to run automatically at a specific time, you can use utilities such as the Windows Task Scheduler or the Linux `crontab` command. For instructions about scheduling scripts, see your operating system documentation.

2.13.6 Receive Notifications

To receive notification of detected signatures, create an evaluation script and use the Windows Task Scheduler or the Linux `crontab` command to schedule the script to run at regular intervals. Each time the script runs, the `signature.log` file in the Guardian installation directory is updated with an entry for each detected signature. You can then configure a third party management tool to scan the log for detected signatures and to send notification when one is found.

Each `signature.log` entry starts with four number signs (####) and includes a timestamp. Each entry with a detected signature contains the label `<detected>` and is followed by a brief description that is enclosed by angle brackets. The description includes the domain name.

The following is a sample `signature.log` file:

```
####<Tue Aug 01 16:03:47 EDT 2006> <0> <g-dev_slp7_7001> <un> <0> <000022> <not
detected> <Signature 000022 (Rotational Upgrade may cause
java.io.StreamCorruptedException) not detected by username un evaluating bundle
ID 0 in domain ID g-dev_slp7_7001.>
####<Tue Aug 01 16:03:47 EDT 2006> <0> <g-dev_slp7_7001> <un> <0> <000027>
<detected> <Signature 000027 (Native IO should be enabled in production mode
for better performance) detected by username un evaluating bundle ID 0 in
domain ID g-dev_slp7_7001.>
####<Tue Aug 01 16:03:47 EDT 2006> <0> <g-dev_slp7_7001> <un> <0> <000055> <not
detected> <Signature 000055 (JDK 1.5 is not certified for WebLogic 8.1) not
detected by username un evaluating bundle ID 0 in domain ID g-dev_slp7_7001.>
```

2.14 Creating and Packaging Custom Signatures

Oracle Guardian supports the use of custom signatures to detect and identify one or more configuration settings among the WebLogic Server installations in your environment that you want to correct.

To create, package, and deploy custom signatures in Oracle Guardian, complete the following steps:

1. [Step 1: Create the Custom Signature](#)
2. [Step 2: Package and Deploy the Custom Signature](#)

[Section 2.14.3, "Custom Signature File,"](#) provides an example of a custom signature.

2.14.1 Step 1: Create the Custom Signature

Using an ordinary text editor, create the custom signature file in any directory on your machine. Note the following requirements:

- Make sure you have Java SDK version 5 or later installed on the machine on which you are creating and packaging the custom signature.
- Name the signature file using the `.sig` file name extension; for example, `my-signature.sig`.
- Specify the `CUSTOM` signature keyword using the `<sig:keyword>` XML element (as shown in [Section 2.14.3, "Custom Signature File"](#)).

2.14.2 Step 2: Package and Deploy the Custom Signature

After you create the custom signature, you package and deploy it as follows:

1. Open a command window and change to the following directory:

```
<guardian_home>/plugins/com.oracle.guardian.custom.signature_x.y.z
```

In the preceding directory name, *guardian_home* represents the Oracle Guardian installation directory. For example, on Windows, `c:\Program Files\Guardian`.

2. Enter the `package` command. On Windows platforms, enter `package.cmd`. On Unix platforms, enter `package.sh`.

Guardian prompts you to specify the name and location of your custom signature. For example:

```
[input] Enter the full directory path of your .sig files:
```

When the `package` command is executed, Guardian does the following:

1. Builds a JAR file containing the custom signature. When the JAR file is successfully built, a message similar to the following is displayed:

```
BUILD SUCCESSFUL
Total time: 2 minutes 2 seconds
```

2. Deploys the custom signature.

After the custom signature is deployed, restart Guardian. You can now conduct an evaluation to determine whether the custom signature applies to your domain.

2.14.3 Custom Signature File

[Example 2–1](#) provides an example of a custom signature. This custom signature is used to identify WebLogic Server instances in domain to which patch CR284362 has not been applied, and is triggered when the following conditions exist for each server instance in the domain:

- The server is a Managed Server instance running WebLogic Server 8.1 SP5 or 6.
- The server is not a member of a cluster.
- The server has not already had patch CR284362 applied.

Example 2–1 Custom Signature File

```
<?xml version="1.0" encoding="UTF-8"?>
<sig:signature xmlns:sig="http://support.bea.com/ns/guardian/10/signature">
  <sig:name>My Custom Signatures</sig:name>
  <sig:severity>2-WARNING</sig:severity>
  <sig:publicationDate>2008-07-14T18:11:20.506-04:00</sig:publicationDate>
  <sig:product>WebLogic Server</sig:product>
  <sig:description>My Custom Signature</sig:description>
  <sig:keywords>
    <sig:keyword>CUSTOM</sig:keyword>
  </sig:keywords>
  <sig:target xmlns:aut="http://support.bea.com/guardian/Authoring">
    <sig:namespaces>
      <sig:namespace prefix="web">http://support.bea.com/ns/guardian/10/weblogicInventory</sig:namespace>
    </sig:namespaces>
    <sig:query>(: Target at WLS 8.1 SP5 or SP6 :)
      //web:weblogicServer[@major=8 and @minor=1 and (@servicepack=5 or @servicepack=6)]</sig:query>
    </sig:target>
    <sig:dataSpec xmlns:jmx="http://support.bea.com/ns/guardian/10/jmxCollector"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="jmx:JmxDataSpec">
      <jmx:mbean type="Cluster">
        <jmx:attributeParam name="Name"/>
      </jmx:mbean>
      <jmx:mbean type="Server">
        <jmx:attributeParam name="Name"/>
      </jmx:mbean>
      <jmx:mbean type="ServerRuntime">
        <jmx:attributeParam name="Name"/>
      </jmx:mbean>
    </sig:dataSpec>
    <sig:impact>Administration</sig:impact>
    <sig:topic>WLS:Cluster</sig:topic>
    <sig:subtopic>Not Listed</sig:subtopic>
    <sig:logic xmlns:xqu="http://support.bea.com/ns/guardian/10/xqueryLogic"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns:aut="http://support.bea.com/guardian/Authoring"
      xsi:type="xqu:xqueryLogicType">
      <xqu:imports>
        <xqu:module prefix="serverFunc"
          fileName="/serverFunctions.xq">http://bea.com/guardian/signature/serverFunctions</xqu:module>
        <xqu:module prefix="utilityFunc"
          fileName="/UtilityFunctions.xq">http://bea.com/guardian/signature/utilityFunctions</xqu:module>
      </xqu:imports>
      <xqu:namespaces>
        <sig:namespace
          prefix="jmx">http://support.bea.com/ns/guardian/10/jmxCollector</sig:namespace>
        </xqu:namespaces>
      <xqu:query>
        (: for any server that is wls81sp5 or sp6 without patch CR284362 and has server not configured
          as a cluster member, need to trigger this signature. :)

        for $ServerRuntime in serverFunc:getServerRuntimesEqualToVersionWithoutPatch(/, 8,1,5,"CR284362") |
```


- [Resolve Exceptions](#)

2.16.1 View Log Files

The Oracle Guardian log files contain information that My Oracle Support can use to diagnose and resolve issues with your system.

The Guardian log file names, contents, and locations are as follows:

- `guardian.log` — Contains information about every operation the Guardian application performs. This file is located in the Guardian installation directory you specified during installation.
- `signature.log` — Contains information about each evaluation performed, including entries for all detected signatures. This file is located in the Guardian installation directory you specified during installation. You can also use a command line script to automatically scan the `signature.log` for detected signatures and to notify you when new signatures are detected.
- `.log` — Contains information about certain Guardian operations. This file is located in the `.metadata` subdirectory of the Guardian Workspace directory you specified when starting Guardian.
- `install.log` — Contains Guardian installation details. This file is located in the `../configuration/org.eclipse.update` subdirectory of the Guardian installation directory you specified during installation.

2.16.2 Crash Recovery

Guardian crashes are extremely unlikely because Guardian uses the Eclipse Rich Client Platform. If Guardian does crash, simply restart Guardian. No additional cleanup operations are required.

2.16.3 Resolve Exceptions

In the unlikely event of an exception, the following steps are recommended for resolving the issue:

1. Read the text of the error message to determine what is wrong.
2. Save the Exception Error window text with a screen capture, or cut and paste the text into a file.
3. Retry the operation to see if the issue recurs.
4. Copy the Oracle Guardian log files to a different location and save them for future reference.
5. Contact My Oracle Support for assistance.

Tip: To save log files and make it easier to identify the error, copy them to a different location on your machine. The error is among the last entries in the log file, making it easier to find. See [Section 2.16.1, "View Log Files,"](#) for the location of Guardian log files.

2.17 Support

You can use the Service Request Wizard to create a service request archive based on a detected signature, and save the service request information as an archive file that you

can optionally send to My Oracle Support. Service request archives are stored as files with a `.car` file name extension.

Note: The Service Request Wizard does not connect to My Oracle Support. To obtain support services, you must log in to My Oracle Support at <https://myoraclesupport.oracle.com/CSP/ui/index.html>.

The wizard automatically creates the service request with all of the signature-specific information required for an Oracle support engineer to begin working on your service request upon receipt of the archive. You can also add any additional attachments and notes before sending the service request archive to Oracle.

To create service request:

1. Open the Evaluation Summary containing the signature you want to include in the service request.
 - a. Click the **Domain Explorer** tab to open the Domain Explorer.
 - b. Open the Evaluation History folder for the domain in which the signature was detected.
 - c. Double-click on the entry for the Evaluation Summary containing the detected signature you want to report. This opens the Evaluation Summary View in the Document Pane.

2. Select the signature you want to include in the service request.

Click on a signature entry to highlight it. This displays the Description and Remedy for the signature in the bottom portion of the Evaluation Summary display in the Document Pane.

3. Open the Service Request Wizard.

Click the **Get more help from Oracle support** link at the bottom of the signature Remedy section to open the wizard. This automatically includes the signature contents in the new service request, and displays the first page of the Service Request Wizard, which is the Service Request Notes page.

Note: Clicking **Get more help from Oracle support** does not connect Guardian with Oracle Support. Clicking this link only launches the Service Request Wizard. For more information, see [Section 1.5.16, "Service Request Archive."](#)

4. (Optional) Enter any additional service request notes.

In the Additional Service Request Notes field, enter any additional text that may be helpful to My Oracle Support in resolving your service request.

5. Click **Next** to proceed to the Select Service Request Attachments page.
6. Select the background information files to include with the service request. You can select one or more of the following:
 - **Service Request Attachments:**
 - Domain Inventory

- Detected Signature Results
 - **Recommended Attachments:**
 - Server Log
 - **Other Attachments:**
 - Click the + icon to open a file browser from which you can select files to include.
 - Click the X icon to remove a file from the list.
7. Click **Next** to proceed to the Domain Login page.
 8. Enter the credentials for the WebLogic Server for the selected domain.
In the Domain Credentials section, enter the following:
 - Username — The username for the WebLogic Server Administrator or Monitor account on the target domain.
 - Password — The password for the WebLogic Server Administrator or Monitor account on the target domain.

If you select multiple domains, you must supply the login credentials for each domain before you can launch the Evaluation.
 9. (Optional) Select the **Remember username/password** checkbox to save your login credentials for the selected domains.
Select this option if you want your login information to persist so that you do not have to re-enter it each time you submit a service request.
 10. Click **Next** to proceed to the Select Service Request Archive Destination page.
 11. In the Select Archive Location field, save the service request as an archive for uploading later. Enter the location to which to save the file, or click the ellipsis (...) to open a file browser from which you can select the location.
 12. Click **Finish** to create the service request archive.
A Service Request Creation Complete dialog box displays the date, time, and location of the file.
 13. Click **OK**.
This closes the wizard and returns to the Guardian main window.

The service request archive is now created and is available to optionally be sent to My Oracle Support, as appropriate, to assist with issue resolution.

2.18 Updates and Upgrades

This section explains how to perform the following tasks:

- [Automatically Update Guardian](#)
- [Manually Update Guardian](#)
- [Check Product Configuration](#)

Note: If you are using a proxy server for outbound Guardian communications, make sure that you have enabled and tested the outbound proxy connection. See [Section 2.7.3, "Enable and Test Outbound Proxy,"](#) for instructions.

2.18.1 Automatically Update Guardian

To update Guardian, use the Update Wizard to download new Oracle Guardian software and signatures from My Oracle Support.

To update Guardian:

1. Open the Update Wizard.
Use one of the following methods to open the wizard:
 - Press Ctrl+Shift+U.
 - Click the **Update** button on the Main toolbar.
 - Select **Help > Software Updates > Guardian Updates**.
2. Enter your My Oracle Support Username and Password.
3. (Optional) Select the **Remember Username/Password** checkbox to store your login credentials for future use.

Select this option if you want your login information to persist so that you do not have to enter it each time you create a service request.

4. On the **Search Results** page, expand the folders in the Select the features to install tree to see the available selections.

To select features:

- a. (Optional) To filter the results, you can select from the following filter options:
 - Select Show the latest version of a feature only to display only the current version of each feature in the results.
 - Select Filter patches included in other patches on the list to filter out duplicate patch entries.
 - b. (Optional) Click **More Info** to see details about a selection.
 - c. (Optional) Click **Properties** to display the properties for a selection.
 - d. (Optional) Click **Select Required** to automatically select all required updates.
 - e. Click the checkbox beside a feature name to select or deselect it.
5. Click **Next** to proceed to the Feature License page.
Accept the terms in the license agreement to proceed with the installation.
 6. Click **Next** to proceed to the Installation page.
 7. Select the installation location, or accept the default.
Click **Change Location** to open a directory browser from which you can select the location. Click **OK** to enter your selection and close the browser. Click **Next** to proceed.
 8. Verify the list of features to install, and click **Install** or **Install All**.

After the updates are installed, you are prompted as to whether to restart Guardian.

9. Click **Yes** to restart Guardian and incorporate the new features.

2.18.2 Manually Update Guardian

To update a Guardian installation that does not have Internet access, or to upgrade from Guardian 1.x to the current release, you can perform a manual update. To do so, first update Guardian on a server that has Internet access using the Update Wizard, then copy the updated files to the machines that do not have Internet access.

Note: To upgrade from Guardian 1.0.x to Guardian 10.3.2, you can still use the Update Wizard.

Caution: If you are upgrading from Guardian 1.0.x, see [Section 2.18.3, "Manually Update Guardian Registry,"](#) for details. Please also refer to the *Oracle Guardian Installation Guide* and *Oracle Guardian Release Notes* for additional important information.

To manually update Guardian:

1. Automatically update Guardian on a server that has Internet access.
See [Section 2.18.1, "Automatically Update Guardian,"](#) for instructions.
2. Shut down Guardian on the offline servers.
Select **File > Exit** from the title bar menu.
3. Update the Guardian Signatures Repository on the secure (offline) machine.

Copy the following directory and all of its contents from the updated server to the offline servers you want to update, overwriting the old contents:

```
<..>\guardian\repository\archives
```

In the preceding path, <..> represents the parent directory of the Guardian installation root directory. The Guardian installation root directory is named `guardian`.

Note: If you only want to update the Guardian Signatures Repository but not the Guardian application itself, you can skip the remainder of these steps.

4. (Optional) Remove the old Signature Features directories from the offline servers.

The Signature Features directories are kept in the following directory:

```
<..>\guardian\features\
```

In the preceding path, <..> represents the parent directory of the Guardian installation root directory. The Guardian installation root directory is named `guardian`.

The Signature Features directories are named according to the following convention:

```
com.bea.guardian.feature.signature.weblogic_<old_version>
```

In the preceding directory name, *<old_version>* represents the old signature release version. For example:

```
..\guardian\features\com.bea.guardian.feature.signature.weblogic_1.0.42
```

5. Copy the updated Signatures Features directory to the offline servers.

Copy the following directory and all of its contents from the updated machine to the offline servers:

```
<.>\guardian\features\com.bea.guardian.feature.signature.weblogic_<CurVersion>
```

In the preceding path:

- *<.>* represents the parent directory of the Guardian installation root directory. The Guardian installation root directory is named *guardian*.
 - *<CurVersion>* represents the most current signature release version.
6. (Optional) Remove the old Signature Plug-ins JAR files from the offline servers.

The Signature Plug-ins JAR files reside in the following directory:

```
<.>\guardian\plugins\
```

In the preceding path, *<.>* represents the parent directory of the Guardian installation root directory. The Guardian installation root directory is named *guardian*.

The files are named according to the following convention:

```
com.bea.guardian.signature.weblogic_<old_version>
```

In the preceding name, *<old_version>* represents the old signature release version.

7. Copy the updated Signatures Plug-ins file to the offline servers.

Copy the following file from the updated machine to each of the offline servers:

```
..\guardian\plugins\com.bea.guardian.signature.weblogic_<CurVersion>
```

In the preceding path:

- *<.>* represents the parent directory of the Guardian installation root directory. The Guardian installation root directory is named *guardian*.
 - *<CurVersion>* represents the most current signature release version.
8. Restart Guardian on the newly-updated offline servers.
 9. Check the new configuration:
 - a. Select **Help > Manage Guardian** to open the Product Configuration page.
 - b. In the Product Configuration tree (left pane), expand the Oracle Guardian folder and subfolders.
 - c. Check the version numbers for each item.

2.18.3 Manually Update Guardian Registry

If you are upgrading from Guardian 1.0.x, you must manually update the Guardian Registry. For instructions, please see the *Oracle Guardian Installation Guide* and the *Oracle Guardian Release Notes*.

2.18.4 Check Product Configuration

You can use the Product Configuration page to check the current configuration for a Guardian installation. This is especially useful if you have manually updated Guardian and want to check that the update was completed correctly.

To check the current Guardian configuration:

1. Select **Help > Manage Guardian** to open the Product Configuration page.
2. In the Product Configuration tree (left pane), expand the Guardian folder and subfolders.
3. Check the version numbers for each item.

Command Reference

This chapter describes the Guardian User Interface components and features, and also provides a detailed reference to the Guardian Command Line Interface. The following topics are included:

- [Main Menu Bar](#)
- [Main Toolbar](#)
- [Navigation Pane](#)
- [Document Pane](#)
- [Preferences](#)
- [Wizards](#)
- [Log Files](#)
- [Command Line Interface](#)

3.1 Main Menu Bar

The Main Menu Bar is at the top of the Oracle Guardian main window just below the Oracle Guardian title bar. The Menu Bar contains the following menus:

- [File Menu](#)
- [Edit Menu](#)
- [Tools Menu](#)
- [Window Menu](#)
- [Help Menu](#)

The Menu Bar menus in turn contain a series of options and submenus, some of which also lead to additional menus, dialog boxes, or wizards. The following sections provide a description of each of these menus, and instructions for invoking them.

3.1.1 Keyboard Shortcuts

You can invoke many menus, submenus, and menu options by using a keyboard shortcut. To display Menu Bar menus, press the **Alt** key and type the menu selection key for the menu you want to display. The menu selection key is the letter underlined in the menu name in the Menu Bar when you press the **Alt** key.

Some menu options also have keyboard shortcuts, which consist of a specific sequence of characters pressed simultaneously. If a menu item has a keyboard shortcut, the key

sequence is listed next to the item in the menu. To see the complete list of keyboard shortcuts, press Ctrl+Shift+L.

3.1.2 File Menu

Table 3–1 describes the File menu options and submenus.

Table 3–1 File Menu

Menu Item	Description
New	This option opens a submenu with the following options: <ul style="list-style-type: none"> ▪ Domain Group — Open the Add Domain Group dialog box for creating a new Domain Group. ▪ Domain — Open the Domain Activation Wizard. ▪ Inventory — Open the Inventory Wizard. ▪ Evaluation — Open the Evaluation Wizard. ▪ Shortcut — Open the Shortcut Wizard.
Open File	(Disabled.) This is an Eclipse Platform menu option that does not apply to this application.
Open	Open the selected item. Select an item in the Navigation Pane, and then select File > Open to display the contents for that item in the Document Pane.
Close	Close the current display in the Document Pane.
Close All	Close all Document Pane displays.
Save As	Export the selected Domain Inventory or Evaluation as a file (PDF or HTML).
Print	Print the contents of the Report tab or Source tab currently displayed in the Document Pane.
Import	Open the Import dialog box for importing Guardian Preferences, Workspace, or Report Plug-in.
Export	Open the Export dialog box for exporting Guardian Preferences, Workspace, or Report Plug-in.
Exit	Exit Guardian.

3.1.3 Edit Menu

Table 3–2 describes the Edit menu options.

Table 3–2 Edit Menu

Menu Item	Description
Cut	(Disabled.) This is an Eclipse Platform menu option that does not apply to this application. Use Ctrl+X for cut operations, where applicable.
Paste	(Disabled.) This is an Eclipse Platform menu option that does not apply to this application. Use Ctrl+V for paste operations, where applicable.

3.1.4 Tools Menu

Table 3–3 describes the Tools menu options and submenus.

Table 3–3 Tools Menu

Menu Item	Description
Purge Inactive Domains	Remove deactivated domains from the Domain Explorer and the Guardian Registry. This also removes from the Guardian Workspace any Domain Inventories, Evaluation Summaries, and Service Request Archives for those domains.
Modify Domain	Modify the selected domain. Opens the Domain Properties dialog box, where you can reconfigure the properties for the selected domain.
Deactivate	This opens the Domain Deactivation Wizard for the selected domain.
View Log	This opens a submenu with the following options: <ul style="list-style-type: none"> ■ Signature Log — Display the Guardian Signature log file. ■ Guardian Log — Display the Guardian log file.

3.1.5 Window Menu

Table 3–4 describes the Window menu options and submenus.

Table 3–4 Window Menu

Menu Item	Description
Show View	This opens a submenu containing the following options: <ul style="list-style-type: none"> ■ Domain Explorer — Opens the Domain Explorer in the Navigation Pane. ■ Bundle Explorer — Opens the Bundle Explorer in the Navigation Pane. ■ Shortcut Explorer — Opens the Shortcut Explorer in the Navigation Pane. ■ Signature Explorer — Opens the Signature Explorer in the Navigation Pane. ■ Active Domains Table — Opens the Active Domains Table in the Document Pane. ■ Shortcuts Table — Opens the Shortcuts Table in the Document Pane. ■ Progress View — Opens the Progress View below the Navigation Pane. ■ Outline View — Opens the Outline View to the right of the Document Pane.
Reset Perspective	Reset the Guardian displays to their default settings.
Preferences	This opens the Preferences page.

3.1.6 Help Menu

Table 3–5 describes the Help menu options and submenus.

Table 3–5 Help Menu

Menu Item	Description
Help Contents	This opens the Oracle Guardian Online Help System.
Search	This opens the Online Help Search utility.

Table 3–5 (Cont.) Help Menu

Menu Item	Description
Dynamic Help	This opens the Guardian Dynamic Online Help pane (to the right of the Document Pane).
Cheat Sheet	This opens the Cheat Sheet Selection dialog box for selecting and displaying a Guardian Cheat Sheet (to the right of the Document Pane). The Cheat Sheet provides step-by-step instructions for basic Guardian tasks. Action buttons are provided for some tasks; click a button to initiate that task.
Manage Guardian	This opens a submenu with the following options: <ul style="list-style-type: none"> ■ Update Guardian — Open the Update Wizard. ■ Manage Configuration — Open the Product Configuration Manager for performing the following tasks: ■ Scan for Updates ■ View Installation History ■ Show Activities ■ Add an Extension Location
Key Assist	Display the list of keyboard shortcuts.
About Oracle Guardian	Open the About Oracle Guardian dialog box. This displays the version of your current Guardian installation, and details about Guardian features, plug-ins, and configuration.

3.2 Main Toolbar

The Main Toolbar is located below the Main Menu Bar, and contains action buttons for the most common Guardian tasks. You can roll your mouse pointer over a button to display the tool tip text for that button.

[Table 3–6](#) describes the Main Toolbar buttons.

Table 3–6 Guardian Main Toolbar Buttons

Button	Description
Open	Display the selected resource in the Document Pane. <ul style="list-style-type: none"> ■ Opens the Active Domain Table when Target Domains is selected in the Domain Explorer. ■ Opens the Domain Inventory view when a Domain Inventory is selected in the Domain Explorer. ■ Opens the Evaluation Summary view when an Evaluation Summary is selected in the Domain Explorer. ■ Opens the Signature view when a signature is selected in the Signature Explorer or Bundle Explorer. ■ Opens the Signature Bundle view when a Bundle is selected in the Bundle Explorer. ■ Opens the Evaluation Wizard when a Shortcut is selected in the Shortcut Explorer.
Print	Print the contents of the Report tab or Source tab currently displayed in the Document Pane.
Activate	Open the Domain Activation Wizard.
Inventory	Open the Inventory Wizard.
Evaluate	Open the Evaluation Wizard.

Table 3–6 (Cont.) Guardian Main Toolbar Buttons

Button	Description
Update	Open the Update Wizard.

3.2.1 Context Menus

Many views and displays contain context menus. Right-click on an item or anywhere in a display to open the associated context menu.

3.2.1.1 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.13, "Command Line Interface"](#)
- [Section 2.18, "Updates and Upgrades"](#)

3.2.1.2 Related Reference

- [Section 3.1.1, "Keyboard Shortcuts"](#)
- [Section 3.3.1.4, "Explorer Context Menus"](#)
- [Section 3.4.4, "Document View Context Menus"](#)
- [Section 3.1, "Main Menu Bar"](#)
- [Section 3.2, "Main Toolbar"](#)
- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)

3.3 Navigation Pane

The Navigation Pane resides in the left side of the Oracle Guardian main window. The Navigation Pane contains several tabs leading to Explorer Views. You can have multiple Views open at once, but only one can be displayed at a time. Click on a tab to display that Explorer View.

The following section provides an overview of Navigation Pane elements.

3.3.1 Navigation Pane Elements

Navigation Pane elements include the following:

- [Explorer Views](#)
- [Explorer Toolbar Icons](#)
- [Explorer Toolbar Menu](#)
- [Explorer Context Menus](#)

The following sections describe each of these elements.

3.3.1.1 Explorer Views

At the top of the Navigation Pane are the Explorer View tabs. Select a tab to display that View. [Table 3–7](#) provides an overview of the Navigation Pane Explorer Views.









Table 3–7 Navigation Pane Explorer Tabs

Explorer Tab	Description
Domain Explorer	Open the Domain Explorer. This View enables you to browse, manage, and monitor the domains you have defined in Guardian. Right-click in the Domain Explorer to open a context menu of domain operations. See Section 3.3.2, "Domain Explorer," for a complete description. See Section 2.5, "Domains," for instructions on Domain Explorer tasks.
Signature Explorer	Open the Signature Explorer. This View enables you to browse the available signatures and view the contents of a selected signature. See Section 3.3.3, "Signature Explorer," for a complete description. See Section 2.9, "Signatures," for instructions on Signature Explorer tasks.
Bundle Explorer	Open the Bundle Explorer. This View enables you to browse the available Signature Bundles and their contents. See Section 3.3.4, "Bundle Explorer," for a complete description. See Section 2.11, "Bundles," for instructions on Bundle Explorer tasks.
Shortcut Explorer	Open the Shortcut Explorer. This View enables you to view and manage your Evaluation Shortcuts. See Section 3.3.5, "Shortcut Explorer," for a complete description. See Section 2.12, "Shortcuts," for instructions on Shortcut Explorer tasks.

3.3.1.2 Explorer Toolbar Icons

Below each Explorer tab title bar is the Explorer toolbar. An Explorer toolbar may contain all or some of the active icons listed in [Table 3–8](#).

Table 3–8 Explorer Toolbar Icons

Icon	Name
	Close
	Minimize
	Maximize
	Restore
	Expand all items
	Collapse all items
	Open Explorer menu
	Link with Editor

In [Table 3–8](#), note following:

- The Restore icon is available only if the View has been maximized.
- The Link with Editor icon links the Navigator Pane Tree to the Document Pane View. The current active Document View name is then also selected (highlighted) in the Navigator Pane.

3.3.1.3 Explorer Toolbar Menus

The Domain Explorer, Signature Explorer, and Bundle Explorer each contain a menu icon in the right corner of the toolbar. Click the menu icon to open a menu of display options for that Explorer.

Table 3–9 describes the Explorer menus.

Table 3–9 Explorer Menus

Explorer	Menu Options
Domain Explorer	<p>The Domain Explorer menu contains the following options:</p> <ul style="list-style-type: none"> ■ Filter Domain Explorer — Open the Filter Domain Explorer dialog box to filter inventories and evaluations by date created. ■ Link with Editor — Link the Navigator Pane Tree to the Document Pane View. If you have multiple Document Views open in the Document Pane, the Explorer Tree tracks which Document View is currently active (displayed). The current active Document View name is then also selected (highlighted) in the Explorer Tree.
Signature Explorer	<p>The Signature Explorer menu contains the following options:</p> <ul style="list-style-type: none"> ■ Sort Signatures — This opens a submenu of the following options for sorting signatures in the Signature Explorer: <ul style="list-style-type: none"> ■ By Name ■ By Severity ■ Filters — Open the Filters Wizard, for specifying which signatures to include in signature displays. See Section 2.9.2, "Filter Signatures," for instructions. ■ Link with Editor — Link the Navigator Pane Tree to the Document Pane View. If you have multiple Document Views open in the Document Pane, the Explorer Tree tracks which Document View is currently active (displayed). The current active Document View name is then also selected (highlighted) in the Explorer Tree.
Bundle Explorer	<p>The Bundle Explorer menu contains the following options:</p> <ul style="list-style-type: none"> ■ Filters — Open the Filters Wizard, for specifying which signatures to include in signature displays. See Section 2.9.2, "Filter Signatures," for instructions. ■ Sort Signatures — This opens a submenu of the following options for sorting Bundles and signatures in the Bundle Explorer: <ul style="list-style-type: none"> ■ By Bundle Name, Signature Name ■ By Bundle Name, Severity ■ Link with Editor — Link the Navigator Pane Tree to the Document Pane View. If you have multiple Document Views open in the Document Pane, the Explorer Tree tracks which Document View is currently active (displayed). The current active Document View name is then also selected (highlighted) in the Explorer Tree.

3.3.1.4 Explorer Context Menus

Right-click in an Explorer View to display the context menu of tasks and operations you can perform from that View. You can also right-click on a specific item to select it and open the context menu for that item. Menu options that do not apply to your selection are deactivated.

The following sections provide detailed descriptions about these context menus:

- [Section 3.3.2.4, "Domain Explorer Context Menu"](#)
- [Section 3.3.3.3, "Signature Explorer Context Menu"](#)
- [Section 3.3.4.3, "Bundle Explorer Context Menu"](#)
- [Section 3.3.5.1, "Shortcut Explorer Context Menu"](#)

3.3.2 Domain Explorer

The Domain Explorer is a Navigator View that enables you to browse, manage, and monitor the domains you have activated in Guardian. In the Navigation Pane, select the Domain Explorer tab to display the explorer.

[Table 3–10](#) provides an overview of Domain Explorer elements:

Table 3–10 Domain Explorer Elements

Element	Description
Target Domains Folder	<p>This is the top-level folder in the Domain Explorer Target Domains tree. This folder contains a unique Domain Node for each domain activated in Guardian. Open the folder to see the available nodes. Double-click on the Target Domains folder to display the Active Domains Table in the Document Pane.</p> <p>See Section 3.4.10, "Active Domains Table," also.</p>
Domain Nodes	<p>These represent domains you have activated in Guardian. Open the Target Domains folder to see the available nodes.</p> <p>See Section 3.3.2.1, "Domain Nodes," for more information.</p>
Domain History Folders	<p>These contain the Domain Inventories and Evaluation Summaries for a domain. Each Domain Node contains the following two History folders:</p> <ul style="list-style-type: none"> ■ Inventory History ■ Evaluation History <p>See Section 3.3.2.2, "Domain History Folders," for more information.</p>
Domain Explorer Menu	<p>Click the Domain Explorer menu icon to display a menu containing the following options:</p> <ul style="list-style-type: none"> ■ Filter Domain Explorer — Opens the Filter Domain Explorer dialog box for filtering out older Inventories and Evaluations from the Domain Explorer tree. ■ Link with Editor — Link the Navigator Pane Tree to the Document Pane View. If you have multiple Document Views open in the Document Pane, the Explorer Tree tracks which Document View is currently active (displayed). The current active Document View name is then also selected (highlighted) in the Explorer Tree. <p>See Section 3.3.2.3, "Domain Explorer Toolbar Menu," for more information.</p>
Domain Explorer Context Menu	<p>Right-click on an item in the Domain Explorer to display a context menu of domain and Domain Group operations.</p> <p>See Section 3.3.2.4, "Domain Explorer Context Menu," for more information.</p>

3.3.2.1 Domain Nodes

A domain node represents a domain that has been activated (defined and enabled for evaluation) in Guardian. When you activate a domain for the first time in Guardian, a node for the new domain is added to the Target Domains folder in the Domain Explorer tree. A unique name is automatically generated for the new domain, based upon your entries in the Domain Activation Wizard.

The generated name has the following syntax:

```
<domain_name>_<hostname>_<listen-port>
```

Where:

- *<domain_name>* is the name for this domain.
- *<hostname>* is the listen address (hostname) for the WebLogic Administration Server for this domain. This is the hostname you entered in the Hostname field of the Domain Activation Wizard (for example, localhost).
- *<listen-port>* is the listen port for the WebLogic Administration Server for this domain.

For example:

```
wl_server_localhost_7001
```

Note: In the Command Line Interface, the domain node name is referred to as the *domainId* for the domain.

The Domain Explorer tree displays only the active Domain Nodes. "Active" does not refer to the state of the domain servers themselves, but rather to whether you have enabled that domain for evaluation. If you deactivate a domain in Guardian, that domain is removed from the Domain Explorer tree. However, if you reactivate the domain, the node for that domain is again displayed, and the original contents of the History folders are also again available. Deactivating a domain does not remove the Workspace data for that domain.

3.3.2.1.1 Domain Node Icon and Icon Decorations The Domain Explorer displays only the active Domain Nodes. In the Domain Explorer tree, active domains have a blue node icon to the left of the domain name. Icon decorations indicate whether the username and password have been persisted, and whether the domain requires SSL encryption for all communication.

Note: Oracle recommends using SSL encryption for communication between the client and the Guardian Agent. Guardian uses 128 bit open source encryption for SSL. However, the configuration on the server for the domain determines whether or not Guardian will use 128 bit SSL encryption when activating that domain.

Table 3–11 shows the Domain Node and icon decorations.

Table 3–11 Domain Node Icon and Decorations




Icon	Name
	Domain

Table 3–11 (Cont.) Domain Node Icon and Decorations

Icon	Name
	Password
	SSL

In [Table 3–11](#):

- The domain icon indicates an active domain node.
- The password icon indicates that the username and password have been persisted. Applied to active icons only.
- The SSL icon indicates that the domain requires 128 bit SSL. Applied to active icons only.

3.3.2.2 Domain History Folders

Domain Inventories and Evaluation Summaries for a domain are accumulated in **History** folders, which persist on disk in your Guardian Workspace. These are represented as folder icons below each Domain Node in the Domain Explorer Target Domains tree. Each Domain Node contains the following two History folders:

- [Inventory History Folder](#)
- [Evaluation History Folder](#)

The following sections describe each of these folders.

3.3.2.2.1 Inventory History Folder The Inventory History folder contains the Domain Inventories that have been generated for that domain. Double-click on a Domain Inventory name to display the inventory details in the Document Pane.

Each time you activate, evaluate, or inventory a domain, a new Domain Inventory is created and added to the Inventory History folder for that domain. A unique name is generated for each new Inventory, using the following format:

```
<domain_name>_<hostname>_<listen_port>_<date> <time>.
```

See [Section 1.5.7, "Domain Inventory,"](#) and [Section 3.4.5, "Domain Inventory View,"](#) also.

3.3.2.2.2 Evaluation History Folder The Evaluation History folder contains the Evaluation Summaries that have been generated for that domain. Double-click on an Evaluation Summary name to display the evaluation details in the Document Pane.





Each time you evaluate a domain, a new Evaluation Summary is created and added to the Evaluation History folder for that domain. A unique name is generated for each new Inventory, using this format:

```
<bundle_name>_<date> <time>
```

Each Evaluation Summary listed in the Evaluation History folder has an icon indicating whether any signatures were detected. If any signatures were detected, the icon is decorated with a severity indicator. The detected signature with the highest severity determines the severity of the Evaluation Summary.

[Table 3–12](#) describes the meaning of each severity indicator.

Table 3–12 Description of Evaluation Summary Icons

Icon	Severity	Meaning
	Critical	The evaluation detected at least one critical signature.
	Warning	The evaluation detected at least one warning signature and no critical signatures.
	Informational	The evaluation detected at least one informational signature and no critical or warning signatures.
	No Detected Signatures	The evaluation did not detect any signatures.

3.3.2.3 Domain Explorer Toolbar Menu

Click the Domain Explorer toolbar menu icon to display a menu containing the options listed and described in [Table 3–13](#).

Table 3–13 Domain Explorer Toolbar Menu Options

Option	Description
Filter Domain Explorer	This opens the Filter Domain Explorer dialog box. Use this to filter out older Domain Inventories and Evaluation Summaries from the Domain Explorer tree.
Link with Editor	Link the Navigator Pane Tree to the Document Pane View. When enabled, if you have multiple Document Views open in the Document Pane, the Explorer Tree in the Navigator Pane will track which Document View is currently active (displayed). The current active Document View name is then also selected (highlighted) in the Navigator Pane.

3.3.2.4 Domain Explorer Context Menu

You can use either of the following methods to open the Domain Explorer context menu:

- To apply a menu option to a specific object, right-click the object in the Domain Explorer tree and then select the option from the context menu.
- To open the context menu without preselecting an object, right-click in an empty area in the Domain Explorer display.

[Table 3–14](#) describes the Domain Explorer context menu options.

Table 3–14 Domain Explorer Context Menu Options

Option	Description
Delete	Delete the selected Domain Inventory, or Evaluation Summary. This deletes the selected entry from the Domain Explorer as well as the associated files from your Guardian Workspace. A confirmation box prompts you to confirm or cancel the operation.
Activate	This opens the Domain Activation Wizard. If the domain is already activated, this option is disabled. See Section 3.6.4, "Domain Activation Wizard," for details.
Deactivate	This opens the Domain Deactivation Wizard. If the domain is already deactivated, this option is disabled. See Section 3.6.5, "Domain Deactivation Wizard," for details.

Table 3–14 (Cont.) Domain Explorer Context Menu Options

Option	Description
Modify Domain	This opens the Domain Properties dialog box for the selected domain. You can then modify the property settings for that domain. See Section 3.3.2.5, "Domain Properties Dialog Box," for details.
Inventory	This opens the Inventory Wizard for the selected domain. If no domain is selected, you can select one from the domain list in the wizard. See Section 3.6.8, "Inventory Wizard," for details.
Add Shortcut	This opens the Shortcut Wizard for this domain. See Section 3.6.9, "Shortcut Wizard," for details.
Evaluate	This opens the Evaluation Wizard for the selected domain. If no domain is selected, you can select one from the domain list in the wizard. See Section 3.6.6, "Evaluation Wizard," for details.
Evaluate from file	This opens the Evaluate a Domain dialog box for the selected domain. Use this to select a domain, Signature Bundle, and Data File to use for the Evaluation. See Section 3.3.2.6, "Evaluate from File Dialog Box," for details.
Compare	Compare two Inventories or two Evaluations. The two items must be of the same type. Ctrl+click to select two items, then right-click and select Compare from the context menu. The results are displayed in the Document Pane.
Add Domain Group	Create a new Domain Group. Right-click on Target Domains and select Add Domain Group from the context menu to display the Add Domain Group dialog box. See Section 3.3.2.7, "Add Domain Group Dialog Box," for details.
Delete Domain Group	Remove the selected Domain Group. Right-click on a Domain Group and select Delete Domain Group from the context menu. A confirmation dialog box prompts you to confirm or cancel the operation. Click Yes to delete the selected group. You cannot delete a domain group that is not empty. To depopulate a group, drag and drop the Domain Nodes from that group into the Target Domains folder or another Domain Group. See Section 2.6.3, "Delete Domain Group," also.
Rename Domain Group	This opens the Rename Domain Group dialog box for the selected domain. Enter the new name and click OK . See Section 3.3.2.8, "Rename Domain Group Dialog Box," also.
Evaluate Bundle	This opens a submenu listing the Bundles available for evaluation. Select a Bundle to open the Bundle Evaluation Wizard for that Bundle. See Section 3.6.3, "Bundle Evaluation Wizard," for details.

3.3.2.5 Domain Properties Dialog Box

Domain Properties govern how Guardian accesses a target domain. The Domain Properties dialog box enables you to view and modify the Domain Properties for a specific domain.

To open the Domain Properties dialog box for a domain, right-click on the domain name in the Domain Explorer tree, and then select **Modify Domain** from the context menu.

The Domain Properties dialog box contains the elements described in [Table 3–15](#):

Table 3–15 Domain Properties

Element	Description
Name	This is the name for this domain.
Administration Server URL	This is the URL for the WebLogic Server Administration Server for this domain.
Username	This is the username for a WebLogic Server Administrator or Monitor for this domain.
Password	This is the password for the WebLogic Server Administrator or Monitor specified for Username.
Remember username/password	Select this checkbox to encrypt and store the domain login credentials on disk. This saves you from having to enter the credentials each time you perform a domain operation.
Enable proxy connection	Select this if a proxy server is to be used to access the target domain. Then, select a proxy server from the drop-down list. If there are no proxy servers in the drop down list, this checkbox is disabled. See Section 2.7, "Proxy Servers," for complete instructions on enabling and adding proxies.
Max Agent Threads	Specifies the maximum number of Agent threads to allocate in the WebLogic Server Administration Server. This can be an integer value from 1 to 20. The default is 10.
Agent Thread Timeout	Specifies the maximum number of seconds that can elapse before an Agent thread is deactivated when collecting data from managed servers. This can be an integer value from 10 to 600. The default is 60.
Notes	This contains a text description or other details pertaining to this domain.

3.3.2.6 Evaluate from File Dialog Box

To capture target domain data to a file for later evaluation, you can set the following flag in your `guardian.ini` file:

```
-Dguardian.dump.collection.data
```

When this flag is set, each time a domain is evaluated, the data is captured and written to two files in the `data` subdirectory of your Guardian Workspace. The files are named as follows:

```
collectedData_<nnnnnnnnnnnn>.xml
```

Where `<nnnnnnnnnnnn>` is a timestamp for the creation of the file.

For example:

```
collectedData_1218570631376.xml
```

These two files are differentiated by their respective timestamps, and their size. The earlier, smaller file contains the data collected from the domain as restricted by the selected Signature Bundle. The second and much larger file contains a collection of all available data from the domain.

The captured data can then be evaluated, as explained below. The evaluation proceeds the same as with a "live" evaluation, except that the data in the capture file is evaluated, rather than evaluating the real-time data from a live server.

Note: In most cases, you can use the smaller of the two files for the evaluation. However, using the larger data file reveals more Detected Signatures, since there is no Bundle restriction.

You can use the Evaluate from File dialog box to specify a domain, Signature Bundle, and data file to use for a data file evaluation.

You can use either of the following methods to open the Evaluate from File dialog box:

- If you do not want to preselect a domain for evaluation, right-click anywhere in the Domain Explorer and then select Evaluate from File from the context menu.
- To preselect a domain for evaluation, open the Domain Explorer and then open the Target Domains folder. Right-click on the name of the domain you want to evaluate and select Evaluate from File from the context menu. The dialog box opens with that domain preselected.

The Evaluate from File dialog box contains the elements described in [Table 3–16](#).

Table 3–16 Evaluate from File Dialog Box Elements

Element	Description
Domain	This specifies the domain to evaluate. Select a domain from the drop down menu. If you preselected a domain when opening the dialog box, this field is already filled.
Bundle	This specifies the Signature Bundle to use for the evaluation. Select a Bundle from the drop down menu. This can be one of the following: <ul style="list-style-type: none"> ■ Default Signatures ■ Other Signatures ■ Security Advisories ■ Critical Signatures ■ Configuration Remedy See Section 2.11, "Bundles," for instructions on using Bundles.
Data File	This specifies the data file to use for the evaluation. Adding the flag

3.3.2.7 Add Domain Group Dialog Box

Use the Add Domain Group dialog box to create a new Domain Group. To open, right-click on Target Domains in the Domain Explorer tree and select Add Domain Group from the context menu. Enter a name for the domain and click OK to add the new group to the Target Domains folder.

See [Section 2.6, "Domain Groups,"](#) for instructions on populating and using Domain Groups.

3.3.2.8 Rename Domain Group Dialog Box

Use the Rename Domain Group dialog box to change the name for a Domain Group. To open, right-click on Target Domains in the Domain Explorer tree and select Rename Domain Group from the context menu. Enter the new name and click OK.

See [Section 2.6.2, "Rename Domain Group,"](#) also.

3.3.2.9 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.2, "Guardian Agent"](#)
- [Section 2.3, "Workspaces"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.6, "Domain Groups"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.13, "Command Line Interface"](#)

3.3.2.10 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.8, "Command Line Interface"](#)
- [Section 3.4.10, "Active Domains Table"](#)
- [Section 3.4.5, "Domain Inventory View"](#)
- [Section 3.4.6, "Evaluation Summary View"](#)
- [Section 3.6.4, "Domain Activation Wizard"](#)
- [Section 3.6.5, "Domain Deactivation Wizard"](#)
- [Section 3.6.6, "Evaluation Wizard"](#)
- [Section 3.6.7, "Filters Wizard"](#)
- [Section 3.6.8, "Inventory Wizard"](#)

3.3.3 Signature Explorer

The Signature Explorer is a Navigator View that enables you to browse the available signatures and view the contents of a selected signature. In the Navigation Pane, select the Signature Explorer tab to display the explorer.

The Signature Explorer contains a list of all existing signatures currently installed in Guardian. Double-click on a signature title to display the contents of that signature in the Document Pane.

3.3.3.1 Signature Severity Icons

To the left of each signature title in the Signature Explorer signature list is a Signature Severity icon. The icon indicates the severity level for that signature.

[Table 3–17](#) identifies each of the signature severity icons

Table 3–17 *Signature Severity Icons*




Icon	Severity
	Critical

Table 3–17 (Cont.) Signature Severity Icons

Icon	Severity
	Warning
	Informational

3.3.3.2 Signature Explorer Toolbar Menu

Click the Signature Explorer toolbar menu icon to open a menu of options for sorting and filtering the signature list.

The Signature Explorer toolbar menu contains the options described in [Table 3–18](#).

Table 3–18 Signature Explorer Toolbar Menu Options

Option	Description
Sort Signatures	This opens a submenu containing the following options: By Name — List the signatures alphabetically by name. This is the default ordering when you first open the Signature Explorer. By Severity — Group the signatures by severity level, and list signatures alphabetically by name within each severity level.
Filters	This opens the Filters Wizard, for specifying which signatures to include in signature displays. See Section 3.6.7, "Filters Wizard," for details. See Section 2.9.2, "Filter Signatures," for instructions on using the wizard.
Link with Editor	Link the Navigator Pane Tree to the Document Pane View. If you have multiple Document Views open in the Document Pane, the Explorer Tree tracks which Document View is currently active (displayed). The current active Document View name is then also selected (highlighted) in the Explorer Tree.

3.3.3.3 Signature Explorer Context Menu

Right-click on a signature name in the Signature Explorer to display the Signature Explorer context menu. This menu has only one option, described in [Table 3–19](#).

Table 3–19 Signature Explorer Context Menu Option

Option	Description
Annotations	This opens a submenu with the Manage Annotations option. Select this option to open the Annotations Wizard. See Section 3.6.2, "Annotations Wizard," for details. See Section 2.10, "Signature Annotations," for instructions on using this wizard.

3.3.3.4 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.2, "Guardian Agent"](#)
- [Section 2.3, "Workspaces"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.8, "Inventories and Evaluations"](#)

- Section 2.9, "Signatures"
- Section 2.10, "Signature Annotations"
- Section 2.13, "Command Line Interface"

3.3.3.5 Related Reference

- Section 3.3, "Navigation Pane"
- Section 3.4, "Document Pane"
- Section 3.5, "Preferences"
- Section 3.8, "Command Line Interface"
- Section 3.4.10, "Active Domains Table"
- Section 3.4.7, "Text Compare View"
- Section 3.4.8, "Signature View"
- Section 3.6.2, "Annotations Wizard"
- Section 3.6.7, "Filters Wizard"

3.3.4 Bundle Explorer

The Bundle Explorer is a Navigator view for browsing the available Signature Bundles and their contents. In the Navigation Pane, select the Bundle Explorer tab to display the explorer.

The Bundle Explorer contains the elements described in [Table 3–20](#).

Table 3–20 Bundle Explorer Elements

Element	Description
Bundles Folder	This is the top level folder in the Bundle Explorer tree. This contains a folder for each Signature Bundle that is available for evaluation.
Bundle Nodes (folders)	Signatures are grouped into different Bundles, based on their characteristics. The Bundles folder contains a node (folder) for each Bundle that is available for evaluation. Double-click a Bundle Node to display the Signature Bundle Document View for that Bundle.
Signature Titles	Open a Bundle Node folder to see a list of the signature titles included in that Bundle. Double-click on a signature title to display the contents of that signature in the Document Pane.

Table 3–20 (Cont.) Bundle Explorer Elements




Element	Description
Bundle Explorer Toolbar Menu	<p>Click the Bundle Explorer menu icon to display a menu containing the following options:</p> <ul style="list-style-type: none"> ■ Filters — Opens the Filters Wizard for filtering the contents of Bundle and signature lists. ■ Sort Signatures — Opens a submenu with the following options: <ul style="list-style-type: none"> ■ By Bundle Name, Signature Name ■ By Bundle Name, Severity ■ Link with Editor — Link the Navigator Pane Tree to the Document Pane View. If you have multiple Document Views open in the Document Pane, the Explorer Tree tracks which Document View is currently active (displayed). The current active Document View name is then also selected (highlighted) in the Explorer Tree. <p>See Section 3.3.4.2, "Bundle Explorer Toolbar Menu," for more information.</p>
Bundle Explorer Context Menu	<p>Right-click on a signature title in the Bundle Explorer to display a context menu with the following option:</p> <ul style="list-style-type: none"> ■ Annotations — Opens a submenu with the following option: <ul style="list-style-type: none"> ■ Manage Annotations — Select this to open the Annotations Wizard for add an annotation to the selected signature. <p>See Section 3.3.4.3, "Bundle Explorer Context Menu," for more information.</p>

3.3.4.1 Bundle and Signature Severity Icons

Each Bundle Node has an icon indicating the severity level for that Bundle. The security level for the Bundle is determined by the highest security level occurring for any signature in that Bundle. For example, if only one signature in the Bundle has a severity level of Critical, then the entire Bundle will have a severity level of Critical.

Each of the Bundle and Signature Severity icons are shown in [Table 3–21](#).

Table 3–21 Bundle and Signature Severity Icons

Icon	Severity
	Critical
	Warning
	Informational

3.3.4.2 Bundle Explorer Toolbar Menu

Click the Bundle Explorer menu icon to open a menu with the options described in [Table 3–22](#).

Table 3–22 Bundle Explorer Toolbar Menu

Element	Description
Filters	This opens the Filters Wizard, for specifying which signatures to include in signature displays. See Section 3.6.7, "Filters Wizard," for details. See Section 2.9.2, "Filter Signatures," for instructions on using the wizard.
Sort Signatures	This displays a submenu with the following options for sorting the signatures displayed in the Bundle Explorer: <ul style="list-style-type: none"> By Bundle Name, Signature Name— List the Bundles alphabetically, and then list the signatures in each Bundle alphabetically by Signature Title. This is the default ordering when you first open the Bundle Explorer. By Bundle Name, Severity— Group the signatures in each Bundle by severity level, and the list the signatures alphabetically by Signature Title, within each severity level. <p>Selecting either of the Sort Signatures choices collapses all the Bundle Nodes. To see the signatures in the new sort order, either click each Bundle Node individually to expand it, or click the Expand All icon to expand all of the Bundle Nodes.</p>
Link with Editor	Link the Navigator Pane Tree to the Document Pane View. If you have multiple Document Views open in the Document Pane, the Explorer Tree tracks which Document View is currently active (displayed). The current active Document View name is then also selected (highlighted) in the Explorer Tree.

3.3.4.3 Bundle Explorer Context Menu

In the Bundle Explorer, right-click on a signature title to display the Bundle Explorer context menu. This menu has only one option, which is described in [Table 3–23](#).

Table 3–23 Signature Explorer Context Menu Option

Option	Description
Annotations	This opens a submenu with the Manage Annotations option. Select this to open the Annotations Wizard. <p>See Section 3.6.2, "Annotations Wizard," for details. See Section 2.10, "Signature Annotations," for instructions on using this wizard.</p>

3.3.4.4 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.2, "Guardian Agent"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.9, "Signatures"](#)
- [Section 2.10, "Signature Annotations"](#)
- [Section 2.11, "Bundles"](#)
- [Section 2.13, "Command Line Interface"](#)
- [Section 2.18, "Updates and Upgrades"](#)

3.3.4.5 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.3.2, "Domain Explorer"](#)
- [Section 3.3.3, "Signature Explorer"](#)
- [Section 3.3.5, "Shortcut Explorer"](#)
- [Section 3.4.8, "Signature View"](#)
- [Section 3.4.9, "Signature Bundle View"](#)
- [Section 3.6.3, "Bundle Evaluation Wizard"](#)

3.3.5 Shortcut Explorer

The Shortcut Explorer is a Navigation Pane View for viewing and managing your Evaluation Shortcuts. In the Navigation Pane, select the Shortcut Explorer tab to display the explorer.

The Shortcut Explorer displays a list of all of the Evaluation Shortcuts you have created. Double-click on a Shortcut to open the Shortcut Evaluation Wizard with the Shortcut target domain and Signature Bundle preselected.

See [Section 1.5.15, "Shortcut,"](#) for a description of Shortcuts. See [Section 2.12, "Shortcuts,"](#) for instructions on creating and using Shortcuts.

3.3.5.1 Shortcut Explorer Context Menu

You can use either of the following methods to open the Shortcut Explorer context menu:

- To apply a menu option to a specific object, right-click the object in the Shortcut Explorer tree and then select the option from the context menu.
- To open the context menu without preselecting an object, right-click in an empty area in the Shortcut Explorer display.

The Shortcut Explorer context menu contains the options described in [Table 3–24](#).

Table 3–24 *Shortcut Explorer Context Menu Options*

Element	Description
Add Shortcut	This opens the Shortcut Wizard for creating a new Evaluation Shortcut. See Section 3.6.9, "Shortcut Wizard," for instructions.
Delete Shortcut	Delete the selected Shortcut. A Confirm Delete dialog box prompts you to confirm the delete operation. Click OK to delete the Shortcut.
Evaluate Shortcut	This opens the Shortcut Evaluation Wizard for conducting an evaluation as defined in the selected Shortcut. See Section 3.6.10, "Shortcut Evaluation Wizard," for instructions.

3.3.5.2 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.3, "Workspaces"](#)
- [Section 2.4, "Preferences"](#)

- [Section 2.5, "Domains"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.9, "Signatures"](#)
- [Section 2.10, "Signature Annotations"](#)
- [Section 2.11, "Bundles"](#)
- [Section 2.12, "Shortcuts"](#)
- [Section 2.13, "Command Line Interface"](#)

3.3.5.3 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.3.2, "Domain Explorer"](#)
- [Section 3.3.4, "Bundle Explorer"](#)
- [Section 3.3.3, "Signature Explorer"](#)
- [Section 3.6.10, "Shortcut Evaluation Wizard"](#)

3.4 Document Pane

The Document Pane is located in the central portion of the Oracle Guardian main window. The Document Pane displays the Document Views.

The Document Pane contains the following elements:

- [Document Views](#)
- [Document Pane Outline Views](#)
- [Document View Title Bars](#)
- [Document View Context Menus](#)

3.4.1 Document Views

The Document Views display the details documents for the object selected in the Navigation Pane. Some Views also have editing features for cutting, copying, and pasting text selections into an external editor. If edit options are available for a View, you can right-click in that View to open an Edit menu of those options.

You can have multiple Views open in the Document Pane, but only one can be active at a time. Each opened View has a tab, located at the top of the Document Pane. Click on a View tab to activate and display that View. Some Views have additional tabs, located at the bottom of the View display. These display additional pages for that View, such as the Overview, Source, and Report pages.

[Table 3–25](#) provides an overview of the Document Views.

Table 3–25 Document Views

View/Editor	Description
Domain Inventory View	<p>Open the Domain Explorer > Inventory History folder and then double-click on a Domain Inventory title to display that inventory in the Document Pane. The inventory includes descriptions of your servers, Java Virtual Machines, operating systems, databases, product versions, and certain configuration settings. The Domain Inventory View contains the following tabs:</p> <ul style="list-style-type: none"> ■ Overview — Display the Domain Inventory Overview for this Inventory. ■ Source — Display the XML source for the Inventory. ■ Report — Display the Domain Inventory report for this inventory. <p>See Section 3.4.5, "Domain Inventory View," for details.</p>
Evaluation Summary View	<p>Open the Domain Explorer > Evaluation History folder, and then double-click on an Evaluation Summary title to display that Evaluation Summary in the Document Pane. This contains a table of all detected signatures for the evaluated domain. Select a signature in the list to display the signature Description and Remedy details for that signature. See Section 3.4.6, "Evaluation Summary View," for details.</p>
Signature View	<p>Double-click on a signature entry in the Signature Explorer or Bundle Explorer to display this View. This View contains the following tabs:</p> <ul style="list-style-type: none"> ■ Overview — Display the Signature Overview for the signature. ■ Source — Display the XML source for the signature. ■ Report — Display the Signature Report for that signature. <p>See Section 3.4.8, "Signature View," for details.</p>
Signature Bundle View	<p>Double-click on a Bundle Node in the Bundle Explorer to display this View. This View provides a description and some additional details about the selected Bundle. Also included is the Signature Definition for the Bundle. See Section 3.4.9, "Signature Bundle View," for details.</p>
Active Domains Table	<p>Select Window > Show View > Active Domains Table to display this View. This contains a table of all of the domains currently activated in Guardian, and action buttons for the following tasks:</p> <ul style="list-style-type: none"> ■ Open Admin Console — Open an instance of the WebLogic Server Administration Console. ■ Modify Domain — Open the Domain Properties configuration page for the selected domain. ■ Deactivate Domain — Open the Domain Deactivation Wizard for the selected domains. <p>See Section 3.4.10, "Active Domains Table," for details.</p>
Shortcuts Table	<p>Select Window > Show View > Shortcuts Table to display this View. This contains a table of all of your Shortcuts, and action buttons for the following tasks:</p> <ul style="list-style-type: none"> ■ Add Shortcut — Open the Shortcut Wizard for creating Shortcuts. ■ Delete Shortcut — Delete the selected Shortcut. A Confirm Delete dialog box prompts you to confirm the delete operation. Click OK to delete the Shortcut. <p>See Section 3.4.11, "Shortcuts Table," for details.</p>

3.4.2 Document Pane Outline Views

When a Document View is open, you can select **Window > Show View > Outline View** to display the Outline View for the current Document View. You can use the Outline View as a navigator for the current Document View. You can click the Overview, Source, or Report nodes in the Outline View to bring the corresponding tab of the Document View to the forefront. You can open the Outline View Source node to select specific XML tag names, to jump to those tags in the Source page and highlight them.

3.4.3 Document View Title Bars

Each Document View has a title bar that contains the name of the View, an identity icon (for example, a Domain or Signature icon), and buttons to close, minimize, maximize, and restore the display.

The View title bars also have the following additional features:

- **Bubble Help/Text**
Roll your cursor over title bar text for a bubble help description of that text or page. For example, for a Domain Inventory View, this displays the full Guardian Workspace path and inventory file name for that Domain Inventory.
- **Maximize and Restore**
Double-click the title bar to maximize a View. Double-click it again to restore it to its original size.
- **System Menu**
Right-click on a title bar to open the System Menu for that View. This contains options for restoring, sizing, minimizing/maximizing, and closing Views. This menu also enables you to open a new (unedited) copy of the View, or to move a tab or tab group.
- **Tab Groups**
You can group multiple Views together on a title bar as a tab group. Tab groups can be moved together as a unit, using either the **System Menu > Move** menu option or drop cursors. Only the title bar of the currently active View is visible in a tab group.
- **Show List Icon**
If you have more Views open than can fit on a title bar, a Show List icon appears to the right of the title bar tabs. The icon includes a number that indicates how many more open Views can fit on the title bar. Click the icon to display a list of all the title bar View. Select an item from the list to make it active and bring it to the forefront of the Navigation Pane or Document Pane display. The items listed in bold font are those that cannot fit on the title bar. The items not listed in bold are those that are already shown on the title bar.
- **Drag and Drop**
You can move Views by dragging their title bars to different locations, as follows:
 - You can move Navigation Pane Views almost anywhere, including outside the Oracle Guardian main window. However, you can move Document Views only within the Document Pane.
 - As you drag a View or Editor title bar, the mouse pointer changes into a drop cursor that indicates where the View will dock when you release it.

- The point in the title bar at which you click determines what will be dragged. Click a View tab to move that View only, without moving the entire tab group. To move the tab group, click to the right of the tabs in the title bar, or select **Move > Tab Group** from the System Menu.

3.4.4 Document View Context Menus

The following Document Views have context menus:

- [Domain Inventory View](#)
- [Evaluation Summary View](#)
- [Signature View](#)
- [Signature Bundle View](#)

The Active Domains Table and Shortcuts Table Views do not have context menus.

Each tab page for a View has a context menu specific to the tab contents. Some context menus—for example, Edit menus—may be available only for certain items within that View.

To open a context menu, right-click on an item in that View.

3.4.4.1 Document View Edit Menus

Edit menus are available in some View pages for text items that can be copied and pasted to an external editor. If an item cannot be edited (copied), the Edit menu will not be available. Right-click on an item to display a menu of standard edit options for that item.

[Table 3–26](#) lists and describes the Edit context menu options.

Table 3–26 Document View Edit Menu

Element	Description
Undo	Undo last edit operation.
Cut	(Disabled.) This is an Eclipse Platform menu option that does not apply to this application.
Copy	Copy selected text to Clipboard or copy buffer.
Paste	(Disabled.) This is an Eclipse Platform menu option that does not apply to this application.
Delete	(Disabled.) This is an Eclipse Platform menu option that does not apply to this application.
Select All	Select all text in Document View.

3.4.5 Domain Inventory View

The Domain Inventory Document View displays the contents of a Domain Inventory. The Domain Inventory is an XML document that describes the products in your domain, and is persisted in your Guardian Workspace. The inventory includes descriptions of your servers, Java Virtual Machines, operating systems, databases, product versions, and certain configuration settings. See [Section 1.5.7, "Domain Inventory,"](#) for details.

You can use either of the following methods to open a Domain Inventory View:

- In the Domain Explorer, open the Inventory History folder, and then double-click on a Domain Inventory name to display that inventory in the Document Pane.
- Activate a domain, or inventory a domain. Then click **OK** in the Progress View.

The Domain Inventory View contains the following tabs:

- [Domain Inventory Overview Tab](#)
- [Domain Inventory Source Tab](#)
- [Domain Inventory Report Tab](#)

The contents of each of these tab pages are described in the following sections.

3.4.5.1 Domain Inventory Overview Tab

The Domain Inventory Overview page displays a summary of the selected Domain Inventory. The Overview page contains the following sections:

- [General Information Section](#)
- [Servers Section](#)
- [JDBC](#)

These are described in the following sections.

3.4.5.1.1 General Information Section The Domain Inventory General Information section contains the information described in [Table 3–27](#).

Table 3–27 Domain Inventory General Information Section

Field	Description
Domain Name	This is the name of the domain assessed in this Domain Inventory.
Inventory Date/Time	Date and time this Domain Inventory was created.

3.4.5.1.2 Servers Section The Domain Inventory Servers section contains the information described in [Table 3–28](#).

Table 3–28 Domain Inventory Servers Section

Field	Description
Number of Servers Configured	This is located at the far left at the top of the Servers section. This indicates the number of all configured servers, regardless of their state.
Number of Active Servers	This is located at the top of the Servers section, in the middle above the Server Details section. This is a number less than or equal to Number of Configured Servers. When this number is less than Number of Configured Servers, it indicates that some of the servers are not running.
Number of Available Agents	This is located at the top of the Servers section at the far right above the Server Details section. This is a number less than or equal to Number of Active Servers. When this number is less than Number of Active Servers, it indicates that the Guardian Agent is either not deployed or not started on one or more running servers.
Server list area	This contains a list of all configured servers. An icon indicates whether a server is running or not. Click on a server name in the Servers list area to view the details for that server.

Table 3–28 (Cont.) Domain Inventory Servers Section

Field	Description
Server Details	<p>This subsection contains the following information:</p> <ul style="list-style-type: none"> ■ Name — This is the name of this server. ■ Version — This is the basic version number for this server. ■ WebLogic Version — This is the complete version number for this instance of the WebLogic Server. ■ Admin Server — (True/False) Specifies whether this server is the Administration Server for this domain. ■ Production Mode — (True/False) Specifies whether this server is running in Production Mode or Development Mode. ■ Agent State — Specifies the current state of the Guardian Agent deployed in the WebLogic Administration Server for this domain. This can be one of the following: <ul style="list-style-type: none"> ■ Available ■ Unavailable
Java Details	<p>This subsection contains the following information:</p> <ul style="list-style-type: none"> ■ Java Vendor ■ Java Version ■ Java VM (Virtual Machine) Vendor ■ Java VM Name, ■ Java VM Version ■ Free Memory ■ Total Memory ■ Max Memory
Operating System Details	<p>This subsection displays the operating system name, version, and processor architecture.</p>

3.4.5.1.3 JDBC The Domain Inventory JDBC section contains the information described in [Table 3–29](#).

Table 3–29 Domain Inventory JDBC Section

Element	Description
Number of Unique JDBC Connection Pool/Data Source Configurations	(Numeric value) Indicates the current number of unique JDBC Connection Pool and Data Source Configurations for this domain.
JDBC Connection Pool list area	This contains a list of the JDBC Connection Pools configured for this domain. Click on an entry in the JDBC Connection Pool list to display the JDBC Details for that Connection Pool.

Table 3–29 (Cont.) Domain Inventory JDBC Section

Element	Description
JDBC Details	<p>Click on an entry in the JDBC Connection Pool list to display the JDBC Details for that Connection Pool. The details for the first entry in the list are displayed by default.</p> <p>This subsection contains the following information:</p> <ul style="list-style-type: none"> ■ JDBC Connection Pool name ■ JDBC data source name ■ Database product name and version ■ JDBC Driver name and version

3.4.5.2 Domain Inventory Source Tab

The Domain Inventory Source page displays the XML source for the selected Domain Inventory. This page also has a context menu of options for saving, copying, and printing the inventory XML source.

3.4.5.2.1 Domain Inventory Source Tab Context Menu Right-click in the Source page to display a context menu with the options described in [Table 3–30](#).

Table 3–30 Domain Inventory Source Tab Context Menu

Element	Description
Save As	Save Source tab contents as an XML file. Opens a file browser from which you can specify the file name and location.
Copy	Copy selected text to clipboard.
Print	Print Source tab contents to the specified printer. Opens a standard Print dialog box for specifying print parameters and preferences.
Select All	Select all text in page.
Find/Replace	Find the specified text. Opens the Find/Replace dialog box for specifying the string search parameters. Select and then right-click on text to preselect the search text. The Source page is a read-only View, so the Replace feature is disabled.
Find Next	Find the next instance of the specified search string or selected text.
Find Previous	Find the previous instance of the specified search string or selected text.

3.4.5.3 Domain Inventory Report Tab

The Domain Inventory Report page displays all of the information contained in the Domain Inventory Overview page, in a printer friendly format. This page also has a system menu of options for exporting, printing, creating a desktop shortcut for the page, adding the inventory to your favorites list, and other file operations. Right-click anywhere in the Report page to display this menu. Some options may not be applicable in this context.

3.4.5.4 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.2, "Guardian Agent"](#)

- [Section 2.3, "Workspaces"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.9, "Signatures"](#)
- [Section 2.10, "Signature Annotations"](#)
- [Section 2.11, "Bundles"](#)
- [Section 2.12, "Shortcuts"](#)
- [Section 2.13, "Command Line Interface"](#)
- [Section 2.17, "Support"](#)

3.4.5.5 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.3.2, "Domain Explorer"](#)
- [Section 3.6.8, "Inventory Wizard"](#)
- [Section 3.8, "Command Line Interface"](#)

3.4.6 Evaluation Summary View

The Evaluation Summary View displays the contents of a selected Evaluation Summary document. An Evaluation Summary is created each time you evaluate a domain, and is persisted in the Guardian Workspace. See [Section 1.5.13, "Evaluation Summary,"](#) for more information. See [Section 2.8, "Inventories and Evaluations,"](#) for instructions on conducting evaluations.

You can use either of the following methods to display an Evaluation Summary:

- In the Domain Explorer, open the Evaluation History folder, and then double-click on an Evaluation entry to display that Evaluation Summary in the Document Pane.
- Conduct an evaluation. An Evaluation Summary is opened automatically when the evaluation completes. See [Section 2.8.3, "Evaluate Domain,"](#) for instructions.

The Evaluation Summary View contains the following tabs:

- [Evaluation Summary Overview Tab](#)
- [Evaluation Summary Source Tab](#)
- [Evaluation Summary Report Tab](#)

The following sections describe the contents of each of these tab pages.

3.4.6.1 Evaluation Summary Overview Tab

The Overview page displays the results data for the selected Evaluation Summary, which includes a table of all signatures detected in the Evaluation. You can click on a signature entry in the table to view the Description and Remedy information for that signature. The Description and Remedy information is displayed in the lower half of the Overview page, just below the Detected Signatures table. You can expand or collapse a View section by clicking the triangle icon in the heading.

The Evaluation Summary Overview page contains the following sections:

- [General Information Section](#)
- [Detected Signatures Table](#)
- [Description Section](#)
- [Remedy Section](#)

These are described in the following sections.

3.4.6.1.1 General Information Section The General Information section of the Evaluation Summary View contains the information described in [Table 3–31](#).

Table 3–31 Evaluation Summary View General Information Section

Field	Description
Domain Name	This is the name of the target domain.
Bundle Name	This is the Signature Bundle used for this evaluation.
Evaluation Date/Time	This is the date and time stamp for when the evaluation was completed.
Duration	This is the amount of time (in milliseconds) that it took to complete the evaluation.
Targeted Signatures	This is the number of signatures in the Bundle that target products that are actually present in the evaluated domain. Some signatures may not be targeted because the products targeted by the signature are not present in the domain.
Detected Signatures	This is the number of targeted signatures that were detected for this domain. Detected signatures are targeted signatures that in turn target issues that were detected in your domain during the evaluation.

3.4.6.1.2 Detected Signatures Table The Detected Signatures Table contains the list of signatures detected for this domain for this evaluation, and some additional information about each detected signature.

Select a signature entry in the table to display the details for that signature in the Description and Remedy sections of the View. Details for the first entry are displayed by default.

Click on a table column heading to sort the table contents according to that column order. The default sort order is by Severity and then Name.

[Table 3–32](#) describes the information contained in the Detected Signatures Table for each detected signature:

Table 3–32 Detected Signatures Table

Field	Description
Severity	This is the severity level for this signature. This can be one of the following: <ul style="list-style-type: none"> ■ CRITICAL ■ WARNING ■ INFO
Name	This is the signature title.

Table 3–32 (Cont.) Detected Signatures Table




Field	Description
Impact	This indicates the type of impact this issue could have in your domain (for example, Server Outage, Subsystem Outage, Administration, Performance, etc.).
Product	This is the Oracle product in your domain that is targeted by this signature for this issue.
Topic	This is the product component, feature, or support product targeted by this signature for this issue.
Subtopic	This is an additional level of detail pertaining to the targeted topic for this signature.
ID	This is the signature ID number.
SR (Service Request)	This lists any support service requests you have filed for this signature.

Evaluation Summary Signature Severity Icons

To the left of each signature title in the Severity column of the table is a Signature Severity icon. The icon indicates the severity level for that signature.

The Signature Severity icons are shown in [Table 3–33](#).

Table 3–33 Signature Severity Icons

Icon	Severity
	Critical
	Warning
	Informational

Detected Signatures Table Context Menu

Right-click on a signature title in the Detected Signatures table to open a context menu with the options described in [Table 3–34](#).

Table 3–34 Detected Signatures Table Context Menu

Element	Description
Sorting	<p>This opens the Sorting dialog box for sorting signatures. You can sort in ascending or descending order, and according to any hierarchical combination of the following criteria:</p> <ul style="list-style-type: none"> ■ By Name ■ By Severity ■ Impact ■ Product ■ Topic <p>See Section 2.9.3, "Sort Signatures," for instructions.</p>
Filters	<p>This opens the Filters Wizard, for specifying which signatures to include in signature displays. See Section 3.6.7, "Filters Wizard," for details. See Section 2.9.2, "Filter Signatures," for instructions.</p>

Table 3–34 (Cont.) Detected Signatures Table Context Menu

Element	Description
Annotations	This opens a submenu with the following option: Manage Annotations: Select this to open the Annotations Wizard. See Section 3.6.2, "Annotations Wizard," for details. See Section 2.10, "Signature Annotations," for instructions on using this wizard.

3.4.6.1.3 Description Section The Description section of the Evaluation Summary View is the left panel below the Detected Signatures table. Select a signature entry in the Detected Signatures table to display the Description details for that signature. This section contains the information described in [Table 3–35](#).

Table 3–35 Evaluation Summary Description Section

Field	Description
Name	This is the full title for the signature.
Severity	This is the severity level for this signature. This can be one of the following: <ul style="list-style-type: none"> ▪ CRITICAL ▪ WARNING ▪ INFO
Impact	This indicates the type of impact this issue could have in your domain (for example, Server Outage, Subsystem Outage, Administration, Performance, etc.).
Signature Description	This is the complete text description of the error targeted by the signature.

3.4.6.1.4 Remedy Section The Remedy section of the Evaluation Summary View is located below the Detected Signatures table, on the right side. Select a signature entry in the Detected Signatures table to display the Remedy details for that signature.

The Remedy section contains the information described in [Table 3–36](#):

Table 3–36 Evaluation Summary View Remedy Section

Field/Area	Description
Server list	This is the area at the top of the Remedy section. It contains a list of the servers in the evaluated domain that may be affected by this issue.
Remedy text	This is the area just below the Server list, and contains the recommended solution for this issue.
For More Information	This section contains links to recommended documentation and other supporting resources for resolving this issue.
Get more help from Oracle Support	Click this link to open the Guardian Service Request Wizard for creating service request archive based on this signature. See Section 3.6.11, "Service Request Wizard," for details. See Section 2.17, "Support," for instructions on using this wizard.

3.4.6.1.5 Evaluation Summary Overview Tab Context Menu Right-click on a signature title in the Detected Signatures table to open a context menu with the options described in [Table 3–37](#).

Table 3–37 *Detected Signatures Table Context Menu*

Element	Description
Sorting	This opens the Sorting dialog box for sorting signatures. You can sort in ascending or descending order, and according to any hierarchical combination of the following criteria: <ul style="list-style-type: none"> ■ By Name ■ By Severity ■ Impact ■ Product ■ Topic See Section 2.9.3, "Sort Signatures," for instructions.
Filters	This opens the Filters Wizard, for specifying which signatures to include in signature displays. See Section 3.6.7, "Filters Wizard," for instructions. See Section 2.9.2, "Filter Signatures," for details.
Annotations	This opens a submenu with the following option: Manage Annotations: Select this to open the Annotations Wizard. See Section 3.6.2, "Annotations Wizard," for details. See Section 2.10, "Signature Annotations," for instructions on using this wizard.

3.4.6.2 Evaluation Summary Source Tab

The Evaluation Summary Source tab page displays the XML source for the selected Evaluation Summary. This page also has a context menu of options for saving, copying, and printing the inventory XML source.

3.4.6.2.1 Evaluation Summary Source Tab Context Menu Right-click in the Source page to display a context menu with the options that are described in [Table 3–38](#).

Table 3–38 *Evaluation Summary Source Tab Context Menu*

Element	Description
Save As	Save Source tab contents as an XML file. Opens a file browser from which you can specify the file name and location.
Copy	Copy selected text to the Clipboard.
Print	Print Source tab contents to the specified printer. Opens a standard Print dialog box for specifying print parameters and preferences.
Select All	Select all text in page.
Find/Replace	Find and replace the specified text. Opens Find/Replace dialog box for specifying the string search and replace parameters. Select and then right-click on text to preselect the search text.
Find Next	Find the next instance of the specified search string or selected text.
Find Previous	Find the previous instance of the specified search string or selected text.

3.4.6.3 Evaluation Summary Report Tab

The Evaluation Summary Report page displays all of the information contained in the Evaluation Summary Overview page, in a printer friendly format. This page also has a system menu of options for exporting, printing, creating a desktop shortcut for the page, adding the inventory to your favorites list, and other file operations. Right-click anywhere in the Report page to display this menu. Some options may not be applicable in this context.

3.4.6.4 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.3, "Workspaces"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.9, "Signatures"](#)
- [Section 2.10, "Signature Annotations"](#)
- [Section 2.11, "Bundles"](#)
- [Section 2.12, "Shortcuts"](#)
- [Section 2.13, "Command Line Interface"](#)
- [Section 2.17, "Support"](#)

3.4.6.5 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.3.2, "Domain Explorer"](#)
- [Section 3.4.7, "Text Compare View"](#)
- [Section 3.4.8, "Signature View"](#)
- [Section 3.6.6, "Evaluation Wizard"](#)
- [Section 3.6.7, "Filters Wizard"](#)
- [Section 3.6.10, "Shortcut Evaluation Wizard"](#)
- [Section 3.8, "Command Line Interface"](#)

3.4.7 Text Compare View

The Text Compare View enables you to view two Domain Inventories or two Evaluation Summaries, side-by-side. You can compare inventories or evaluations from the same or different domains. Both objects must be of the same type—that is, two inventories or two evaluations. You cannot compare an inventory against an evaluation.

To display the Text Compare View:

1. Open the Domain Explorer History folder containing the resources to be compared (Inventory History or Evaluation History).
2. Select the two documents to be compared.

Click on the first item to select it, and then hold down the Ctrl key and click to select the second item.

3. Right-click on the selected items and select Compare from the context menu.

This opens the Text Compare View in the Document Pane. The differences between the two files are highlighted, and related segments are shown in boxed sections, with connectors indicating the relation.

The Text Compare navigation controls are described in [Table 3–39](#).

Table 3–39 Text Compare View Navigation Controls

Action	Instructions
Go to next/previous segment	Click the up/down arrows at the top right corner of the Text Compare display.
Jump to a segment	Click on a segment bar in the far right column.
Resize panels	Move your cursor over the center divider until the cursor changes to a double arrow. Then click and drag the divider to the left or right to resize the panels.

3.4.7.1 Text Compare View Context Menu

Right-click in the left or right Text Compare View panel to display the Text Compare context menu. [Table 3–40](#) describes the options contained in this menu.

Table 3–40 Text Compare View Context Menu

Option	Description
Copy	Copy the selected text. You can then use a text editor to paste the selected text into a file and save it.
Select All	Select all text in the current panel. You can then use a text editor to paste the selected text into a file and save it.
Ignore White Space	Remove white space characters in both panels.
Show Whitespace Characters	Show white space characters and carriage returns in both panels. A light blue dot indicates a white space characters. A light blue paragraph symbol indicates a carriage return.
Show Line Numbers	Display line numbers in both panels.
Find/Replace	Display the Find/Replace dialog box. Enter your search criteria and click Find to search in the selected panel. Replace is disabled for this page.

3.4.7.2 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.3, "Workspaces"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.8.1, "Inventory Domain"](#)
- [Section 2.8.2, "View Domain Inventories and Evaluation Summaries"](#)
- [Section 2.8.3, "Evaluate Domain"](#)
- [Section 2.8.4, "Evaluate Snapshot"](#)
- [Section 2.8.5, "Compare Inventories or Evaluations"](#)

3.4.7.3 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.3.2, "Domain Explorer"](#)
- [Section 3.4.5, "Domain Inventory View"](#)
- [Section 3.4.6, "Evaluation Summary View"](#)
- [Section 3.4.8, "Signature View"](#)
- [Section 3.6.6, "Evaluation Wizard"](#)
- [Section 3.6.7, "Filters Wizard"](#)
- [Section 3.6.10, "Shortcut Evaluation Wizard"](#)
- [Section 3.8, "Command Line Interface"](#)

3.4.8 Signature View

The Signature View displays some basic descriptive and target information for a selected signature. See [Section 3.4.6, "Evaluation Summary View,"](#) for information about viewing the entire contents of a signature.

Double-click on a signature entry in the Signature Explorer or Bundle Explorer to display this View.

The Signature View contains the following tabs:

- [Signature View Overview Tab](#)
- [Signature View Source Tab](#)
- [Signature View Report Tab](#)

The following sections describe the contents of each of these tab pages.

3.4.8.1 Signature View Overview Tab

The Signature View Overview tab page displays some basic descriptive and target information for the signature. See [Section 3.4.6, "Evaluation Summary View,"](#) for information about viewing the entire contents of a signature.

[Table 3–41](#) lists and describes the sections contained in the Signature View Overview page.

Table 3–41 Signature View Overview Page Sections

Section	Description
General Information	<p>This section contains the following information for the selected signature:</p> <ul style="list-style-type: none"> ■ ID — Signature identification number. ■ Name — The complete signature title. ■ Publication Date — Signatures are periodically updated as signature target or remedy information changes. This date indicates the publication date for this version of this signature.
Description	This is a description of the issue addressed by this signature.

Table 3–41 (Cont.) Signature View Overview Page Sections

Section	Description
Target	This section contains the target information for this signature. The Target section contains the following subsection: <ul style="list-style-type: none"> ▪ [Expression] — This contains an XPath expression identifying the targets for this signature. The target identifies the product, product version, and/or environment to which this issue pertains.

3.4.8.2 Signature View Source Tab

The Signature View Source tab page displays the complete XML source for the selected signature. This page also has a context menu of options for saving, copying, and printing the inventory XML source.

3.4.8.2.1 Signature View Source Tab Context Menu Right-click in the Source page to display a context menu that contains the options described in [Table 3–42](#).

Table 3–42 Signature View Source Tab Context Menu

Element	Description
Save As	Save Source tab contents as an XML file. Opens a file browser from which you can specify the file name and location.
Copy	Copy selected text to clipboard.
Print	Print Source tab contents to the specified printer. Opens a standard Print dialog box for specifying print parameters and preferences.
Select All	Select all text in page.
Find/Replace	Find and replace the specified text. Opens Find/Replace dialog box for specifying the string search and replace parameters. Select and then right-click on text to preselect the search text.
Find Next	Find the next instance of the specified search string or selected text.
Find Previous	Find the previous instance of the specified search string or selected text.

3.4.8.3 Signature View Report Tab

The Signature View Report page displays all of the information contained in the Signature View Overview page, in a printer friendly format. This page also has a system menu of options for exporting, printing, creating a desktop shortcut for the page, adding the inventory to your favorites list, and other file operations. Right-click anywhere in the Report page to display this menu. Some options may not be applicable in this context.

3.4.8.4 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.9, "Signatures"](#)
- [Section 2.10, "Signature Annotations"](#)

- [Section 2.11, "Bundles"](#)

3.4.8.5 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.3.3, "Signature Explorer"](#)
- [Section 3.3.4, "Bundle Explorer"](#)
- [Section 3.4.6, "Evaluation Summary View"](#)
- [Section 3.4.7, "Text Compare View"](#)
- [Section 3.6.2, "Annotations Wizard"](#)
- [Section 3.6.6, "Evaluation Wizard"](#)
- [Section 3.6.7, "Filters Wizard"](#)

3.4.9 Signature Bundle View

The Document Pane Signature Bundle View displays a description and some additional details about the selected Signature Bundle. This also includes the Signature Definition for the Bundle, which determines which signatures are included in the Bundle.

To open the Signature Bundle View, double-click on a Bundle Node in the Bundle Explorer.

The Signature Bundle View has the following tabs:

- [Signature Bundle View Overview Tab](#)
- [Signature Bundle View Report Tab](#)

The following sections describe the contents of each of these tab pages.

3.4.9.1 Signature Bundle View Overview Tab

The Signature Bundle View Overview page displays a description and some additional details about the selected Signature Bundle.

[Table 3–43](#) describes the sections contained in the Overview page.

Table 3–43 *Signature Bundle View Overview Tab*

Section	Description
General Information	This section contains the following information: <ul style="list-style-type: none"> ■ ID ■ Name ■ Creation Date ■ Last Modification Date
Description	This is a summary description of the Bundle contents.
Signature Def	This is the XPath expression that defines which signatures are included in this Bundle.

3.4.9.2 Signature Bundle View Report Tab

The Signature Bundle View Report page displays all of the information contained in the Signature Bundle View Overview page, in a printer friendly format. This page also has a system menu of options for exporting, printing, creating a desktop shortcut for the page, adding the inventory to your favorites list, and other file operations. Right-click anywhere in the Report page to display this menu. Some options may not be applicable in this context.

3.4.9.3 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.9, "Signatures"](#)
- [Section 2.10, "Signature Annotations"](#)
- [Section 2.11, "Bundles"](#)

3.4.9.4 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.3.3, "Signature Explorer"](#)
- [Section 3.3.4, "Bundle Explorer"](#)
- [Section 3.4.6, "Evaluation Summary View"](#)
- [Section 3.4.8, "Signature View"](#)
- [Section 3.6.6, "Evaluation Wizard"](#)
- [Section 3.6.7, "Filters Wizard"](#)

3.4.10 Active Domains Table

The Active Domains Table is a Document View for managing the domains currently activated in Guardian.

You can use either of the following methods to open the Active Domains Table:

- Double-click on Target Domains in the Navigation Pane to display the Active Domains Table.
- In the Main Menu Bar, select **Window > Show View > Active Domains Table**.

[Table 3–44](#) describes the information contained in the Active Domains Table for each active domain.

Table 3–44 *Active Domains table Fields*

Field	Description
Domain	This is the domain name.
Administration Server URL	This is the URL for the WebLogic Administration Server for this domain.

Table 3–44 (Cont.) Active Domains table Fields

Field	Description
Last Evaluation	This is the name of the most recent Evaluation Summary for this domain.

By default, the domains are listed alphabetically by domain name. Click a column heading to sort the table entries according to the sort order for that column. Click a column heading again to alternate between ascending or descending order.

3.4.10.1 Active Domains Table Toolbar Buttons

[Table 3–45](#) describes the buttons contained in the Active Domains Table toolbar. Note that you must select an entry in the table to activate the buttons.

Table 3–45 Active Domains Table Toolbar Buttons

Element	Description
Open Admin Console	This opens an Oracle WebLogic Server Administration Console in your default Web browser. If you selected the Remember username/password checkbox when activating or modifying the domain, the browser will automatically log you into the Administration Console. If not, the browser will start at the Administration Console login page.
Modify Domain	This opens the Domain Properties dialog box, which enables you to configure how Guardian accesses the domain, and to configure the Max Agent Threads and Agent Thread Timeout parameters. See Section 2.5.4, "Modify Domain Properties," for instructions.
Deactivate Domain	This invokes the Domain Deactivation Wizard for deactivating the selected domain. See Section 2.5.3, "Deactivate Domain," for instructions.

3.4.10.2 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.6, "Domain Groups"](#)
- [Section 2.7, "Proxy Servers"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.13, "Command Line Interface"](#)

3.4.10.3 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.3.2, "Domain Explorer"](#)
- [Section 3.4.6, "Evaluation Summary View"](#)
- [Section 3.6.4, "Domain Activation Wizard"](#)

- [Section 3.6.8, "Inventory Wizard"](#)
- [Section 3.6.5, "Domain Deactivation Wizard"](#)
- [Section 3.3.2.5, "Domain Properties Dialog Box"](#)
- [Section 3.8, "Command Line Interface"](#)

3.4.11 Shortcuts Table

The Shortcuts Table is a Document Pane View for viewing and managing the Evaluation Shortcuts you have created.

Note: See [Section 1.5.15, "Shortcut,"](#) for a description of Evaluation Shortcuts. See [Section 2.12.1, "Create Shortcut,"](#) for instructions on creating Evaluation Shortcuts.

To open the Shortcuts Table, go to the Main Menu Bar and select **Window > Show View > Shortcuts Table**.

[Table 3–46](#) describes the information contained in the Shortcuts Table for each Shortcut.

Table 3–46 Shortcuts Table

Element	Description
Shortcut	This is the Shortcut name.
Domain	This is the domain targeted for evaluation.
Bundle	This is the Signature Bundle used for the evaluation.

By default, the Shortcuts are listed alphabetically by Shortcut name. Clicking a column heading sorts the Shortcuts according to the sort order for that column. For example, clicking the Domain column orders the Shortcuts alphabetically by domain name. Clicking the same column heading in succession alternates between ascending and descending order.

3.4.11.1 Shortcuts Table Toolbar

[Table 3–47](#) describes the buttons contained in the Shortcuts Table toolbar.

Table 3–47 Shortcuts Table Toolbar Buttons

Button	Description
Add Shortcut	This opens the Shortcut Wizard for creating a new Evaluation Shortcut.
Delete Shortcut	Delete the selected Shortcut. A confirmation box prompts you to confirm the delete operation.

3.4.11.2 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.8, "Inventories and Evaluations"](#)

- [Section 2.9, "Signatures"](#)
- [Section 2.10, "Signature Annotations"](#)
- [Section 2.11, "Bundles"](#)
- [Section 2.12, "Shortcuts"](#)

3.4.11.3 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.3.5, "Shortcut Explorer"](#)
- [Section 3.4.6, "Evaluation Summary View"](#)
- [Section 3.6.6, "Evaluation Wizard"](#)
- [Section 3.6.9, "Shortcut Wizard"](#)
- [Section 3.6.10, "Shortcut Evaluation Wizard"](#)
- [Section 3.8, "Command Line Interface"](#)
- [Section 3.6.9, "Shortcut Wizard"](#)
- [Section 3.3.5, "Shortcut Explorer"](#)

3.5 Preferences

The Preferences page enables you to customize your Oracle Guardian environment.

You can use either of the following methods to open the Preferences page:

- Press **Ctrl+Shift+P**.
- In the Main Menu Bar, select **Window > Preferences**.

Preference parameters are organized into primary and secondary categories, or pages. The left pane of the Preferences page contains a Navigation Tree listing these pages, in hierarchical order. Click on a category title in the tree to display that page. See [Section 2.4, "Preferences,"](#) for instructions on setting Preferences.

[Table 3-48](#) provides an overview of the Preferences pages.

Table 3–48 Preferences Categories and Pages

Category	Description
General	This includes the following pages: <ul style="list-style-type: none"> ■ General (main) ■ Appearance ■ Compare/Patch ■ Content Types ■ Editors ■ Keys ■ Network Connections ■ Perspectives ■ Welcome Page ■ Workspace
Guardian	This includes the following pages: <ul style="list-style-type: none"> ■ Guardian (main) ■ Encryption ■ Evaluation ■ Logging And Debug ■ Oracle Support ■ Proxies ■ Reporting ■ XML Appearance
Help	These parameters control the content and appearance of Guardian online help. This includes the following pages: <ul style="list-style-type: none"> ■ Help (main) ■ Content
Install/Update	These parameters are for configuring and automating Guardian application and signature updates. This includes the following pages: <ul style="list-style-type: none"> ■ Install/Update (main) ■ Automatic Updates

3.5.1 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.2, "Guardian Agent"](#)
- [Section 2.3, "Workspaces"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.7, "Proxy Servers"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.13, "Command Line Interface"](#)
- [Section 2.16, "Troubleshooting"](#)
- [Section 2.17, "Support"](#)

- [Section 2.18, "Updates and Upgrades"](#)

3.5.2 Related Reference

- [Section 3.1.5, "Window Menu"](#)
- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.6, "Wizards"](#)
- [Section 3.7, "Log Files"](#)
- [Section 3.8, "Command Line Interface"](#)

3.6 Wizards

Oracle Guardian provides the several wizards for guiding you through some of the more common or complex Guardian tasks.

[Table 3–49](#) describes the Guardian wizards and how to invoke them.

Table 3–49 *Guardian Wizards*

Menu Item	Description
Annotations Wizard	Right-click on a signature title in the Signature Explorer or Bundle Explorer and select Annotations from the context menu. This opens a submenu with a single option, Manage Annotations. Select this to open the Annotations Wizard. This contains fields and options for annotating the selected signature. See Section 3.6.2, "Annotations Wizard," for details. See Section 2.10, "Signature Annotations," for instructions on using this wizard.
Bundle Evaluation Wizard	Right-click in the Domain Explorer and select Evaluate Bundle from the context menu. This opens a submenu listing the Bundles available for evaluation. Select a Bundle to open the Bundle Evaluation Wizard for that Bundle. See Section 3.6.3, "Bundle Evaluation Wizard," for details. See Section 2.11.3, "Evaluate Bundles," for instructions on using this wizard.
Domain Activation Wizard	This contains fields and options for configuring and activating a domain in Guardian. Click Activate to open the Domain Activation Wizard. See Section 3.6.4, "Domain Activation Wizard," for details. See Section 2.5.1, "Activate Domain," for instructions on using this wizard.
Domain Deactivation Wizard	In Domain Explorer, right-click on a domain entry and select Deactivate Domain from the context menu to open this wizard. This contains a table of all active domains. See Section 3.6.5, "Domain Deactivation Wizard," for details. See Section 2.5.3, "Deactivate Domain," for instructions on using this wizard.
Evaluation Wizard	Click Evaluate to open the Evaluation Wizard for evaluating one or more domains. See Section 3.6.6, "Evaluation Wizard," for details. See Section 2.8.3, "Evaluate Domain," for instructions on using this wizard.

Table 3–49 (Cont.) Guardian Wizards

Menu Item	Description
Filters Wizard	Click the Signature Explorer menu icon and select the Filters menu option. The Filters Wizard enables you to specify which signatures to display in Signature Lists. See Section 3.6.7, "Filters Wizard," for details. See Section 2.9.2, "Filter Signatures," for instructions on using this wizard.
Inventory Wizard	Click Inventory to open the Inventory Wizard. A Domain Inventory is a snapshot of all of the configuration details for a domain as it exists at that moment. See Section 3.6.8, "Inventory Wizard," for details. See Section 2.8.1, "Inventory Domain," for instructions on using this wizard.
Shortcut Wizard	Select File > New > Shortcut to open the Shortcut Wizard for creating and modifying Shortcuts. See Section 3.6.9, "Shortcut Wizard," for details. See Section 2.12.1, "Create Shortcut," for instructions on using this wizard.
Shortcut Evaluation Wizard	Click the Shortcut Explorer tab to open the Shortcut Explorer. Then, double-click on a Shortcut name in the Shortcut list to open the Shortcut Evaluation Wizard. See Section 3.6.10, "Shortcut Evaluation Wizard," for details. See Section 2.12.2, "Evaluate Shortcut," for instructions on using this wizard.
Service Request Wizard	Select a signature in an Evaluation Summary and click Get more help from Oracle Support . This opens the Service Request Wizard for the selected signature. This enables you to create a service request archive based on the selected signature. See Section 3.6.11, "Service Request Wizard," for details. See Section 2.17, "Support," for instructions on using this wizard.
Update Wizard	Click Update to open the Update Wizard. This wizard enables you to automatically download new Oracle Guardian software and signatures from the Oracle Guardian update site. See Section 3.6.12, "Update Wizard," for details. See Section 2.18, "Updates and Upgrades," for instructions on using this wizard. Note: Upgrading from Guardian 1.0.x must be done manually. See Section 2.18.2, "Manually Update Guardian," and Section 2.18.3, "Manually Update Guardian Registry," for instructions. You can otherwise use the Update Wizard to automatically update to Guardian 10.3.2. You do not have to update manually in this case.

3.6.1 Wizard Title Bar Menus

Right-click a wizard title bar to open a context menu of options to Move, Size, or Close the wizard. You can also move or resize a Wizard by dragging the title bar or window borders.

3.6.2 Annotations Wizard

Use the Annotations Wizard to create an annotation for a selected signature.

To open the Annotations Wizard, first navigate to a signature list containing the signature you want to annotate. Then right-click on the signature title and select **Annotations > Manage Annotations** from the context menu.

See [Section 2.10, "Signature Annotations,"](#) for instructions on using this wizard.

The Annotations Wizard contains the elements described in [Table 3–50](#).

Table 3–50 Annotations Wizard

Element	Description
Annotations Table	This contains a list of the annotations that exist for the selected signature. See Section 3.6.2.1, "Annotations Table," for a description of Annotations table contents.
Add	Click Add to open the Add Annotation dialog box for creating a new annotation for this signature. See Section 2.10.1, "Annotate Signature," for instructions.
Edit	Click Edit to open the Edit Annotation dialog box for creating a new annotation for this signature. See Section 2.10.2, "Edit Annotation," for instructions.
Delete	Select an annotation in the table and click Delete to remove that annotation from this signature. Note: There is no prompt for confirmation; the annotation is removed immediately. See Section 2.10.3, "Delete Annotation," for instructions.

3.6.2.1 Annotations Table

The Annotations Wizard contains an Annotations table listing the annotations that exist for the selected signature.

[Table 3–51](#) describes the information contained in the Annotations table for each annotation in the list:

Table 3–51 Annotations Wizard Annotations Table

Field	Description
Type	This is the type of annotation. This can be one of the following: <ul style="list-style-type: none"> ■ Ignore — Ignore this signature for the specified targets. ■ Flag — Flag this signature for the specified targets.
Name	This is the annotation name.
Comment	This contains notes about the signature.
Timestamp	This is the date and time the annotation was created.
Domains	These are the target domains for this annotation.
Evaluations	This is the evaluation set to which this annotation applies. This can be one of the following: <ul style="list-style-type: none"> ■ This Evaluation Only ■ All Evaluations Note: This option is available only if the annotation was created for a signature in an Evaluation Summary. Annotations created from other locations do not have this specification.

3.6.2.2 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.9, "Signatures"](#)
- [Section 2.10, "Signature Annotations"](#)
- [Section 2.11, "Bundles"](#)

3.6.2.3 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.6, "Wizards"](#)
- [Section 3.3.2, "Domain Explorer"](#)
- [Section 3.3.3, "Signature Explorer"](#)
- [Section 3.3.4, "Bundle Explorer"](#)
- [Section 3.4.1, "Document Views"](#)
- [Section 3.8, "Command Line Interface"](#)

3.6.3 Bundle Evaluation Wizard

Use the Bundle Evaluation Wizard to preselect a domain and Bundle for Evaluation, and then initiate the evaluation.

To open the Bundle Evaluation Wizard:

1. In the Domain Explorer, open the Evaluation History folder.
2. Right-click on an Evaluation Summary and select Evaluate Bundle from the context menu.

This opens a submenu containing a list of Bundles available for evaluation.

3. Select a Bundle to open the Bundle Evaluation Wizard for that Bundle.

The Bundle Evaluation Wizard opens with the selected domain and Bundle preselected, just as if you had invoked a Shortcut.

See [Section 2.11.3, "Evaluate Bundles,"](#) for instructions on using this wizard.

[Table 3–52](#) describes the sections and fields contained in the Bundles Evaluation Wizard.

Table 3–52 Bundle Evaluation Wizard

Sections	Description
Available Domains Table	<p>This lists the currently active domains available to evaluate. The table contains the following fields:</p> <ul style="list-style-type: none"> ▪ Name — This is the domain name. ▪ Admin Server URL — This is the URL for the WebLogic Server Administration Server for this domain. ▪ Bundle — This is the Signature Bundle to be used for the Shortcut Evaluation <p>Select a domain in this table to specify the domain to evaluate.</p>
Bundle Menu	<p>This is a drop-down menu for selecting the Bundle to be used for this evaluation. Right-click the Bundle entry for a domain in the Available Domains table to display this menu. Select one of the following:</p> <ul style="list-style-type: none"> ▪ All Signatures ▪ Configuration Remedy ▪ Critical Signatures ▪ Default Signatures ▪ JRockit JRA Signatures ▪ Other Signatures ▪ Patch Remedy ▪ Security Advisories ▪ Service Pack remedy ▪ Snapshot-All ▪ Snapshot-Deployment Descriptor ▪ Snapshot-JDBC ▪ Snapshot-JMS ▪ Snapshot-JRockit ▪ Snapshot-Security ▪ Upgrade Remedy
Username	This is the username for a WebLogic Server Administrator or Monitor for this domain.
Password	This is the password for the WebLogic Server Administrator or Monitor specified for Username.
Remember username/password	Select this checkbox to encrypt and store the domain login credentials on disk. This saves you from having to enter the credentials each time you perform a domain operation.

3.6.3.1 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.3, "Workspaces"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.6, "Domain Groups"](#)
- [Section 2.8, "Inventories and Evaluations"](#)

- [Section 2.9, "Signatures"](#)
- [Section 2.10, "Signature Annotations"](#)
- [Section 2.11, "Bundles"](#)
- [Section 2.13, "Command Line Interface"](#)

3.6.3.2 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.6, "Wizards"](#)
- [Section 3.3.2, "Domain Explorer"](#)
- [Section 3.3.3, "Signature Explorer"](#)
- [Section 3.3.4, "Bundle Explorer"](#)
- [Section 3.3.5, "Shortcut Explorer"](#)
- [Section 3.4.6, "Evaluation Summary View"](#)
- [Section 3.4.7, "Text Compare View"](#)
- [Section 3.4.8, "Signature View"](#)
- [Section 3.4.9, "Signature Bundle View"](#)
- [Section 3.8, "Command Line Interface"](#)

3.6.4 Domain Activation Wizard

Use the Domain Activations Wizard to activate a domain in Guardian.

You can use any of the following methods to open the wizard:

- Press **Ctrl+Shift+A**.
- Click **Activate** in the Main Toolbar.
- Select **New > Domain** from the File menu.
- Click the Domain Explorer tab to open the Domain Explorer. Then, right-click anywhere in the Domain Explorer and select **Activate Domain** from the context menu.

See [Section 2.5.1, "Activate Domain,"](#) for complete instructions on using this wizard.

Note: Oracle recommends using SSL encryption for communication between the client and the Guardian Agent. Guardian uses 128 bit open source encryption for SSL. However, the configuration on the server for the domain determines whether or not Guardian will use 128 bit SSL encryption when activating that domain.

The Domain Activation Wizard contains the following tabs:

- [General Tab](#)
- [Advanced Tab](#)

These are described in the following sections.

3.6.4.1 General Tab

[Table 3–53](#) describes the fields contained in the General tab.

Table 3–53 Domain Activations Wizard — General Tab

Field	Description
Protocol	Select one of the following from the drop-down menu: Note: Oracle recommends using SSL encryption for communication between the client and the Guardian Agent. <ul style="list-style-type: none"> ■ http:// — Select this to use the HTTP protocol without encryption. ■ https:// — Select this to use HTTP protocol with Secure Sockets Layer (SSL) encryption (recommended). Guardian uses 128 bit open source encryption for SSL. However, the configuration on the server for the domain determines whether or not Guardian will use 128 bit SSL encryption when activating that domain.
Host Name	This is the listen address for the WebLogic Administration Server in the target domain.
Port Number	This is the listen port for the WebLogic Administration Server for the target domain.
Username	This is the username of a WebLogic Server Administrator or Monitor account on the target domain.
Password	This is the password for the WebLogic Server Administrator or Monitor account on the target domain.
Remember Username/Password	This specifies that the domain credentials are to be stored so that you do not have to enter them for future domain operations. Usernames and passwords are encrypted when stored.

3.6.4.2 Advanced Tab

[Table 3–54](#) describes the fields and options contained in the Advanced tab.

Table 3–54 Domain Activation Wizard — Advanced Tab

Field	Description
Enable Proxy Connection	Select this if a proxy server is to be used to access the target domain. Then, select a proxy server from the drop-down list. Click Add Proxy Servers to add proxy servers to this list. See Section 2.7.1, "Add Inbound Proxy Servers," for complete instructions.
Max. Agent Threads	Specifies the maximum number of Agent threads to allocate in the WebLogic Server Administration Server. This can be an integer value from 1 to 20. The default is 10.
Agent Thread Timeout (secs)	Specifies the maximum number of seconds that can elapse before an Agent thread is deactivated while collecting data from managed servers. This can be an integer value from 10 to 600. The default is 60.
Domain Notes	This is a text field in which you can enter text description or other details pertaining to this domain. These notes are displayed in inventories and evaluations for this domain.

3.6.4.3 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.2, "Guardian Agent"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.6, "Domain Groups"](#)
- [Section 2.7, "Proxy Servers"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.13, "Command Line Interface"](#)
- [Section 2.18, "Updates and Upgrades"](#)

3.6.4.4 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.6, "Wizards"](#)
- [Section 3.3.2, "Domain Explorer"](#)
- [Section 3.4.10, "Active Domains Table"](#)
- [Section 3.4.5, "Domain Inventory View"](#)
- [Section 3.4.6, "Evaluation Summary View"](#)
- [Section 3.1.1, "Keyboard Shortcuts"](#)
- [Section 3.8, "Command Line Interface"](#)

3.6.5 Domain Deactivation Wizard

You can use either of the following methods to open the Domain Deactivation Wizard:

- In the Domain Explorer, right-click on a domain and select Deactivate from the context menu.
- Select **Window > Show View > Active Domains Table**. Then, select a domain from the table and click Deactivate Domain.

Select a domain and click **Finish** to deactivate the domain.

Tip: You will not be prompted to confirm the deactivate operation. The domain will be deactivated immediately.

See [Section 2.5.3, "Deactivate Domain,"](#) for complete instructions on using this wizard.

[Table 3–55](#) describes the fields contained in the Domain Deactivation Wizard.

Table 3–55 *Domain Deactivation Wizard*

Sections	Description
Name	This is the name for this domain.

Table 3–55 (Cont.) Domain Deactivation Wizard

Sections	Description
Admin Server URL	This is the URL for the WebLogic Server Administration Server for this domain.

3.6.5.1 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.6, "Domain Groups"](#)
- [Section 2.13, "Command Line Interface"](#)

3.6.5.2 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.6, "Wizards"](#)
- [Section 3.3.2, "Domain Explorer"](#)
- [Section 3.4.10, "Active Domains Table"](#)
- [Section 3.4.5, "Domain Inventory View"](#)
- [Section 3.4.6, "Evaluation Summary View"](#)
- [Section 3.1.1, "Keyboard Shortcuts"](#)
- [Section 3.8, "Command Line Interface"](#)

3.6.6 Evaluation Wizard

Use the Evaluation Wizard to evaluate a domain. You can select one or more domains for evaluation.

You can use any of the following methods to select a domain and open the wizard:

- In the Domain Explorer, select a domain and then click the **Evaluation** button. To select multiple domains, press the **Ctrl** or **Shift** key while selecting additional items.
- Right-click on a domain and then select **Evaluate** from the context menu.
- Double-click a domain name in the Domain Explorer.
- Select **File > New > Evaluation** from the title bar.
- Select **Window > Show View > Active Domains Table** to display the Active Domains Table. Then, double-click a domain name to open the wizard for the selected domain.

See [Section 2.8.3, "Evaluate Domain,"](#) for complete instructions on using this wizard.

[Table 3–56](#) describes the fields contained in the Evaluation Wizard.

Table 3–56 Evaluation Wizard

Fields	Description
Available Domains Table	<p>This lists the currently active domains available to evaluate. The table contains the following fields:</p> <ul style="list-style-type: none"> ■ Name — This is the domain name. ■ Admin Server URL — This is the URL for the WebLogic Server Administration Server for this domain. ■ Bundle — This is the Signature Bundle to be used for the Shortcut Evaluation <p>Select a domain in this table to specify the domain to evaluate.</p>
Bundle Menu	<p>This is a drop-down menu for selecting the Bundle to be used for this evaluation. Right-click the Bundle entry for a domain in the Available Domains table to display a list of the available Bundles. Select a Bundle from the list.</p>
Username	<p>This is the username for a WebLogic Server Administrator or Monitor for this domain.</p>
Password	<p>This is the password for the WebLogic Server Administrator or Monitor specified for Username.</p>
Remember username/password	<p>Select this checkbox to encrypt and store the domain login credentials on disk. This saves you from having to enter the credentials each time you perform a domain operation.</p>
Create Shortcut	<p>Select this checkbox to create a Shortcut for this evaluation. This is useful if you routinely perform this particular type of evaluation. See Section 2.12, "Shortcuts," for detailed instructions on creating, evaluating, and managing Shortcuts.</p>
Shortcut Name	<p>This is a text field for entering the name of the new Shortcut.</p>

3.6.6.1 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.3, "Workspaces"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.6, "Domain Groups"](#)
- [Section 2.7, "Proxy Servers"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.9, "Signatures"](#)
- [Section 2.10, "Signature Annotations"](#)
- [Section 2.11, "Bundles"](#)
- [Section 2.12, "Shortcuts"](#)
- [Section 2.13, "Command Line Interface"](#)

3.6.6.2 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)

- Section 3.5, "Preferences"
- Section 3.6, "Wizards"
- Section 3.8, "Command Line Interface"
- Section 3.3.2, "Domain Explorer"
- Section 3.4.10, "Active Domains Table"
- Section 3.4.6, "Evaluation Summary View"
- Section 3.4.7, "Text Compare View"
- Section 3.4.8, "Signature View"
- Section 3.6.11, "Service Request Wizard"

3.6.7 Filters Wizard

Use the Filters Wizard to specify which signatures to display in signature lists.

You can use either of the following methods to open the wizard:

- From the Signature Explorer or Bundle Explorer:
In the Explorer toolbar, click the menu icon and select **Filters** from the menu.
- From an Evaluation Summary:
Right-click on any signature in the Detected Signatures list, and select **Filters** from the context menu.

See [Section 2.9.2, "Filter Signatures,"](#) for complete instructions on using this wizard.

[Table 3–57](#) describes the sections and fields contained in the Filters Wizard.

Table 3–57 Filters Wizard Sections and Fields

Section	Description
Name	<p>Filter according to name. This section contains the following fields and options:</p> <ul style="list-style-type: none"> ■ Show Name (radio button) ■ Hide Name (radio button) ■ Name — (Text field) Specify all or a portion of a signature name to use as the filter criteria. This can be a character string or standard regular expression. Enter .* to filter all signatures. The default is Show all (.*).
Severity	<p>Filter according to severity. This section contains the following options:</p> <ul style="list-style-type: none"> ■ Show Severity ■ Hide Severity <p>Select one of the above, and then select/deselect a severity level. These are:</p> <ul style="list-style-type: none"> ■ Critical ■ Warning ■ Information. <p>The default is Show all (all selected).</p>

Table 3–57 (Cont.) Filters Wizard Sections and Fields

Section	Description
Type	<p>Filter annotated signatures according to Annotation Type. This section contains the following options:</p> <ul style="list-style-type: none"> ■ Show Type ■ Hide Type ■ Annotation Name <p>Select one of the above, and then select/deselect an Annotation Type. These are:</p> <ul style="list-style-type: none"> ■ Flag ■ Ignore. <p>The default is Hide signatures with an Annotation Type of Ignore. See Section 1.5.10, "Signature Annotations," for more information on Annotation Types.</p>
Annotation Name	<p>Filter annotated signatures according to Annotation Name. This section contains the following options:</p> <ul style="list-style-type: none"> ■ Show Annotation Name ■ Hide Annotation Name ■ Annotation Name — (Text field) Specify all or a portion of an annotation name to use as the filter criteria. This can be a character string or standard regular expression. Enter .* to filter all annotations. <p>The default is Show all (.*)</p>
Comment	<p>Filter annotated signatures according to annotation comment. Specify all or a portion of a comment to use as the filter criteria. This can be a character string or standard regular expression. Enter .* to filter all signatures. The default is Show all (.*)</p>
Domain	<p>Filter annotated signatures in this domain. This section contains the following options:</p> <ul style="list-style-type: none"> ■ Show Domain ■ Hide Domain <p>The default is Show Domain.</p>
Evaluation	<p>Filter annotated signatures in this Evaluation. This section contains the following options:</p> <ul style="list-style-type: none"> ■ Show Evaluation ■ Hide Evaluation <p>The default is Show Evaluation.</p>

3.6.7.1 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.6, "Domain Groups"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.9, "Signatures"](#)
- [Section 2.10, "Signature Annotations"](#)

- [Section 2.11, "Bundles"](#)
- [Section 2.13, "Command Line Interface"](#)

3.6.7.2 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.6, "Wizards"](#)
- [Section 3.3.3, "Signature Explorer"](#)
- [Section 3.3.4, "Bundle Explorer"](#)
- [Section 3.4.6, "Evaluation Summary View"](#)
- [Section 3.4.8, "Signature View"](#)

3.6.8 Inventory Wizard

Use the Inventory Wizard to inventory a domain.

You can use any of the following methods to open the wizard:

- Press **Ctrl+Shift+I**.
- Click **Inventory** on the Main Toolbar.
- Select **File > New > Inventory**.
- In the Domain Explorer, right-click on a domain name in the Domain Explorer tree and select **Inventory** from the context menu.

See [Section 1.5.7, "Domain Inventory,"](#) for a description of Domain Inventories. See [Section 2.8.1, "Inventory Domain,"](#) for instructions on using the Domain Inventory Wizard.

[Table 3–58](#) describes the sections and fields contained in the Inventory Wizard.

Table 3–58 *Inventory Wizard*

Section/Field	Description
Available Domains Table	<p>This lists the currently active domains available to inventory. The table contains the following fields:</p> <ul style="list-style-type: none"> ■ Name — This is the domain name. ■ Admin Server URL — This is the URL for the WebLogic Server Administration Server for this domain. <p>Select a domain in this table to specify the domain to inventory.</p>
Username	This is the username for a WebLogic Server Administrator or Monitor for this domain.
Password	This is the password for the WebLogic Server Administrator or Monitor specified for Username.
Remember username/password	Select this checkbox to encrypt and store the domain login credentials on disk. This saves you from having to enter the credentials each time you perform a domain operation.

3.6.8.1 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.3, "Workspaces"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.6, "Domain Groups"](#)
- [Section 2.7, "Proxy Servers"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.13, "Command Line Interface"](#)

3.6.8.2 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.6, "Wizards"](#)
- [Section 3.8, "Command Line Interface"](#)
- [Section 3.3.2, "Domain Explorer"](#)
- [Section 3.4.10, "Active Domains Table"](#)
- [Section 3.6.4, "Domain Activation Wizard"](#)
- [Section 3.4.5, "Domain Inventory View"](#)

3.6.9 Shortcut Wizard

Use the Shortcut Wizard to create an Evaluation Shortcut.

You can use any of the following methods to open the wizard:

- Press **Ctrl+Shift+S**.
- Select **File > New > Shortcut**.
- Select **Window > Show View > Shortcuts Table** to open the Shortcuts Table. Then, click **Add Shortcut** in the Shortcuts Table toolbar.
- Right-click in the Domain Explorer or Shortcut Explorer and select **Add Shortcut** from the context menu.

See [Section 1.5.15, "Shortcut,"](#) for a description of Shortcuts. See [Section 2.12.1, "Create Shortcut,"](#) for instructions.

[Table 3–59](#) describes the sections and fields contained in the Shortcut Wizard.

Table 3–59 Shortcut Wizard

Fields	Description
Available Domains Table	<p>This lists the currently active domains available to evaluate. The table contains the following fields:</p> <ul style="list-style-type: none"> ■ Name — This is the domain name. ■ Admin Server URL — This is the URL for the WebLogic Server Administration Server for this domain. ■ Bundle — This is the Signature Bundle to be used for the Shortcut Evaluation <p>Select a domain in this table to specify the domain to evaluate.</p>
Bundle Menu	<p>This is a drop-down menu for selecting the Bundle to be used for this evaluation. Right-click the Bundle entry for a domain in the Available Domains table to display a list of the available Bundles. Select a Bundle from the list.</p>
Create Shortcut	<p>Select this checkbox to create a Shortcut for this evaluation. This is useful if you routinely perform this particular type of evaluation. See Section 2.12, "Shortcuts," for detailed instructions on creating, evaluating, and managing Shortcuts.</p>
Shortcut Name	<p>This is a text field for entering the name of the new Shortcut.</p>

3.6.9.1 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.6, "Domain Groups"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.9, "Signatures"](#)
- [Section 2.10, "Signature Annotations"](#)
- [Section 2.11, "Bundles"](#)
- [Section 2.12, "Shortcuts"](#)
- [Section 2.13, "Command Line Interface"](#)

3.6.9.2 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.6, "Wizards"](#)
- [Section 3.8, "Command Line Interface"](#)
- [Section 3.4.11, "Shortcuts Table"](#)
- [Section 3.3.5, "Shortcut Explorer"](#)
- [Section 3.3.2, "Domain Explorer"](#)
- [Section 3.4.10, "Active Domains Table"](#)

- [Section 3.4.9, "Signature Bundle View"](#)
- [Section 3.6.10, "Shortcut Evaluation Wizard"](#)
- [Section 3.4.6, "Evaluation Summary View"](#)

3.6.10 Shortcut Evaluation Wizard

Use the Shortcut Evaluation Wizard to evaluate a selected Shortcut.

You can use any of the following methods to open the wizard:

- Select **Window > Show View > Shortcuts Table** to open the Shortcuts Table. Then, double-click on a Shortcut name in the Shortcut Table.
- Click the Shortcut Explorer tab to open the Shortcut Explorer. Then, double-click on a Shortcut name in the Shortcut list.
- Click the Shortcut Explorer tab to open the Shortcut Explorer. Then, right-click on a Shortcut name in the Shortcut list and select **Evaluate Shortcut** from the context menu.

See [Section 1.5.15, "Shortcut,"](#) for a description of Shortcuts. See [Section 2.12.2, "Evaluate Shortcut,"](#) for instructions.

[Table 3–60](#) describes the sections and fields contained in the Shortcut Evaluation Wizard.

Table 3–60 *Shortcut Evaluation Wizard*

Fields	Description
Available Domains Table	<p>This lists the currently active domains available to evaluate. The table contains the following fields:</p> <ul style="list-style-type: none"> ■ Name — This is the domain name. ■ Admin Server URL — This is the URL for the WebLogic Server Administration Server for this domain. ■ Bundle — This is the Signature Bundle to be used for the Shortcut Evaluation <p>Select a domain in this table to specify the domain to evaluate.</p>
Bundle Menu	<p>This is a drop-down menu for selecting the Bundle to be used for this evaluation. Right-click the Bundle entry for a domain in the Available Domains table to display a list of the available Bundles. You can change the Bundle selection, but only for the current evaluation. The Bundle for that Shortcut will remain unchanged for future invocations of the Shortcut Evaluation Wizard.</p>
Username	<p>This is the username for a WebLogic Server Administrator or Monitor for this domain.</p>
Password	<p>This is the password for the WebLogic Server Administrator or Monitor specified for Username.</p>
Remember username/password	<p>Select this checkbox to encrypt and store the domain login credentials on disk. This saves you from having to enter the credentials each time you perform a domain operation.</p>

3.6.10.1 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.4, "Preferences"](#)

- Section 2.5, "Domains"
- Section 2.6, "Domain Groups"
- Section 2.8, "Inventories and Evaluations"
- Section 2.9, "Signatures"
- Section 2.10, "Signature Annotations"
- Section 2.11, "Bundles"
- Section 2.12, "Shortcuts"
- Section 2.13, "Command Line Interface"

3.6.10.2 Related Reference

- Section 3.3, "Navigation Pane"
- Section 3.4, "Document Pane"
- Section 3.5, "Preferences"
- Section 3.6, "Wizards"
- Section 3.8, "Command Line Interface"
- Section 3.3.5, "Shortcut Explorer"
- Section 3.3.2, "Domain Explorer"
- Section 3.4.11, "Shortcuts Table"
- Section 3.4.6, "Evaluation Summary View"
- Section 3.4.10, "Active Domains Table"
- Section 3.6.9, "Shortcut Wizard"
- Section 3.6.6, "Evaluation Wizard"

3.6.11 Service Request Wizard

You can use the Service Request Wizard to create a service request archive based on a detected signature, which can be submitted to Oracle Customer Support at your convenience.

To open the Service Request Wizard:

1. Open the Evaluation Summary containing the signature you want to include in the support service request.
Double-click on an Evaluation Summary entry in the Domain Explorer.
2. Select the signature you want to include in the support service request.
Click on a signature entry to highlight it. This displays the Description and Remedy for the signature in the bottom portion of the Evaluation Summary View in the Document Pane.
3. Click the **Get more help from Oracle support** link at the bottom of the signature Remedy section to open the wizard.

Note: Clicking **Get more help from Oracle support** does not connect Guardian with Oracle Support. Clicking this link only launches the Service Request Wizard. For more information, see [Section 1.5.16, "Service Request Archive."](#)

See [Section 1.5.16, "Service Request Archive,"](#) for a description of a Guardian Service Request Archive. See [Section 2.17, "Support,"](#) for instructions on using the wizard.

The Service Request Wizard presents a series of pages that guide you through the service request creation process. These pages are described in [Table 3–61](#).

Table 3–61 Service Request Wizard

Page	Description
Select Server Node	<p>Note: If there is only one server in your domain, then the Administration Server is used by default and this step is skipped.</p> <p>Specifies the server node for the domain that has the detected signature. To change the server node preselected in the dialog box, select another server from the pull down list.</p>
Service Request Notes	In the Additional Service Request Notes field, enter any additional text that may be helpful to Oracle customer support in resolving your service request.
Select Service Request Attachments	<p>Select the background information files to include with the service request. These attachments save the Oracle Support Engineer time so that your service request can be resolved more quickly. You can select one or more of the following:</p> <ul style="list-style-type: none"> ■ Service Request Attachments ■ Domain Inventory ■ Detected Signature Results ■ Recommended Attachments ■ Server Log ■ Other Attachments
Domain Login	Specify the username and password for a WebLogic Server Administrator or Monitor for this domain.
Select Service Request Archive Destination	In the Select Archive Location field, enter the location to which to save the service request archive file, or click the ellipsis (...) to open a file browser from which you can select the location.

3.6.11.1 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.2, "Guardian Agent"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.7, "Proxy Servers"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.9, "Signatures"](#)
- [Section 2.11, "Bundles"](#)
- [Section 2.13, "Command Line Interface"](#)

- [Section 2.16, "Troubleshooting"](#)
- [Section 2.17, "Support"](#)
- [Section 2.18, "Updates and Upgrades"](#)

3.6.11.2 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.6, "Wizards"](#)
- [Section 3.8, "Command Line Interface"](#)
- [Section 3.4.6, "Evaluation Summary View"](#)
- [Section 3.4.7, "Text Compare View"](#)
- [Section 3.4.8, "Signature View"](#)
- [Section 3.6.6, "Evaluation Wizard"](#)

3.6.12 Update Wizard

Use the Update Wizard to update your Guardian software and signature Bundles.

You can use either of the following methods to open the wizard:

- Press **Ctrl+Shift+U**.
- Click the Update button on the Main Toolbar.
- Select **Help > Software Updates > Guardian Updates**.

See [Section 1.7.4, "Update Guardian,"](#) for a description of this feature. See [Section 2.18, "Updates and Upgrades,"](#) for instructions on using the wizard.

The Update Wizard presents a series of pages that guide you through the update process. [Table 3–62](#) describes each of these pages.

Table 3–62 Update Wizard

Page	Description
My Oracle Support Login	Enter your Oracle My Support Username and Password. Select the Remember username/password checkbox to encrypt and store the domain login credentials on disk. This will save you having to enter the credentials each time you use the Update Wizard.
No Updates Dialog Box	If there are no new signatures or application features available, a dialog box prompts you to try again at a later time.
Search Results	If there are new signatures or application features available, this page displays the results. Expand the folders in the Select the features to install tree to see the available selections.
Feature License	Click the radio button to accept the terms in the license agreement and proceed with the installation.
Installation Location	Select the installation location, or accept the default. Click Change Location to open a directory browser from which you can select the location. A progress indicator tracks the progress as the updates are downloaded.

Table 3–62 (Cont.) Update Wizard

Page	Description
Feature Verification	Verify the list of features to install, and click Install or Install All .
Restart Guardian	After the updates are installed, you are prompted as to whether to restart Guardian. Click Yes to restart Guardian and incorporate the new features.

3.6.12.1 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.2, "Guardian Agent"](#)
- [Section 2.3, "Workspaces"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.7, "Proxy Servers"](#)
- [Section 2.13, "Command Line Interface"](#)
- [Section 2.16, "Troubleshooting"](#)
- [Section 2.17, "Support"](#)
- [Section 2.18, "Updates and Upgrades"](#)

3.6.12.2 Related Reference

- [Section 3.3, "Navigation Pane"](#)
- [Section 3.4, "Document Pane"](#)
- [Section 3.5, "Preferences"](#)
- [Section 3.6, "Wizards"](#)
- [Section 3.2, "Main Toolbar"](#)
- [Section 3.8, "Command Line Interface"](#)

3.7 Log Files

The Oracle Guardian log files contain information that My Oracle Support can use to diagnose and resolve issues with your Guardian system.

[Table 3–63](#) describes the Guardian log files.

Table 3–63 Guardian Log Files

File Name	Description
guardian.log	This is located in the Guardian installation directory you specified during installation. This file contains information about every operation the Guardian application performs.
signature.log	This is located in the Guardian installation directory you specified during installation. This file contains information about each evaluation performed, including entries for all detected signatures. You can also use a command line script to automatically scan the <code>signature.log</code> for detected signatures, and to automatically receive notifications when new signatures are detected.

Table 3–63 (Cont.) Guardian Log Files

File Name	Description
.log	This is located in the <code>.metadata</code> subdirectory of the Guardian Workspace directory you specified when starting Guardian. This file contains information about certain Guardian operations.
install.log	This is located in the <code>../configuration/org.eclipse.update</code> subdirectory located in the Guardian installation directory you specified during installation. This file contains Guardian installation details.

3.7.1 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.3, "Workspaces"](#)
- [Section 2.4, "Preferences"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.13, "Command Line Interface"](#)
- [Section 2.16, "Troubleshooting"](#)
- [Section 2.17, "Support"](#)
- [Section 2.18, "Updates and Upgrades"](#)

3.7.2 Related Reference

- [Section 3.8, "Command Line Interface"](#)

3.8 Command Line Interface

The Guardian Command Line Interface (CLI)—also referred to as Guardian Headless Mode—is a set of Guardian commands that can be issued directly from the operating system command prompt. There is a Guardian CLI command for each of the most common tasks you can perform using the Guardian User Interface.

The Guardian command interpreter is a `.cmd` batch file for Windows, and a `.sh` shell script for Linux. Both the Windows batch file and the Linux shell script are wrappers that accumulate and organize arguments to the Java command.

See [Section 2.13, "Command Line Interface,"](#) for instructions on starting and using the Command Line Interface.

3.8.1 Important Notes

The following are some guidelines for using the Command Line Interface. See [Section 2.13, "Command Line Interface,"](#) for complete instructions on using the CLI commands.

- The Command Line Interface uses your specified Guardian Workspace as the location for all CLI operations, unless you specify otherwise in each command. Identifying the Guardian Workspace location is essential for accessing the correct set of active domains, Domain Inventories, and Evaluation Summaries. See

[Section 2.3.1, "Select Workspace,"](#) for instructions on selecting a Guardian Workspace.

- You can redirect the display of Domain Inventories and Evaluation Summaries to a Web browser instead of the Document Pane in the Guardian user interface. See [Section 2.15, "Redirecting Display of Evaluation Summaries and Domain Inventories,"](#) for details.

- Guardian Command Line Interface commands are case sensitive.
- Each command must include the prefix `-g` with no trailing space, as shown in the following example:

```
guardianHeadless.cmd -glistActiveDomains
```

- Quotes are required for command parameters only if the parameter contains a space.
- On Linux, command output is directed by default to `stdout` and `stderr`. On Windows, command output is written to the following output file:

```
headless_output.txt
```

The output file is created in your current directory, and is overwritten each time you run a Guardian Headless Mode command. See [Section 2.13.2, "Redirecting Guardian CLI Command Output,"](#) for instructions on redirecting this to a different file.

- To create an output file containing the list of CLI commands and their syntax, type the following command at the operating system prompt:

```
guardianHeadless.cmd -ghelp
```

The following section provides an overview of the Command Line Interface commands.

3.8.2 Overview of CLI Commands

[Table 3–64](#) provides a brief description of each of the Guardian Command Line Interface commands. See [Section 3.8.3, "CLI Command Reference,"](#) for a detailed description and syntax for each command.

Table 3–64 Guardian Command Line Interface Commands

Command	Description
<code>activateDomain</code>	Activate the specified domain and return the domain identifier.
<code>createShortcut</code>	Create a Shortcut for the specified domain and Bundle.
<code>deactivateDomain</code>	Deactivate the specified domain.
<code>deleteShortcut</code>	Delete the specified Shortcut.
<code>evaluateDomainBundle</code>	Evaluate the specified domain and Bundle. To see the results, open the Guardian User Interface, open the Domain Explorer > Evaluation History folder, and select the evaluation. The results are displayed in the Evaluation Summary View in the Document Pane.

Table 3–64 (Cont.) Guardian Command Line Interface Commands

Command	Description
<code>evaluateShortcut</code>	Evaluate the domain and Bundle associated with the specified Shortcut. To see the results, open the Guardian User Interface, open the Domain Explorer > Evaluation History folder, and select the evaluation. The results are displayed in the Evaluation Summary View in the Document Pane.
<code>help</code>	Display the list of commands and command syntax.
<code>inventoryDomain</code>	Inventory the specified domain. To see the results, open the Guardian User Interface, open the Domain Explorer > Inventory History folder, and select the inventory. The results are displayed in the Domain Inventory View in the Document Pane.
<code>listActiveDomains</code>	List the active domains in Domain Identifier format.
<code>listBundles</code>	List the Bundle identifier and Bundle name for each of the available Signature Bundles.
<code>listShortcuts</code>	List the Shortcuts available for evaluation.
<code>script</code>	Execute the commands contained in the specified script file.

3.8.3 CLI Command Reference

This section describes the syntax, arguments, and usage for each of the Command Line Interface commands. See [Section 2.13, "Command Line Interface,"](#) for instructions on starting and using the Command Line Interface.

3.8.3.1 activateDomain

Activate the specified domain and return the domain identifier.

```
activateDomain -t targetUrl -u username -p password
[ -c persistCredentials ] [ -data workspaceDir ] [ -x proxy ]
[ -m maxAgentThreads ] [ -o agentThreadTimeoutSecs ]
```

The arguments for this command are described in [Table 3–65](#).

Table 3–65 activateDomain Command Arguments

Argument	Description
<i>targetUrl</i>	(Without quotes) This is the address of the Administration Server for the domain, in the following format: <code>http://<listen-address>:<port-number></code>
<i>username</i>	This is the username for the Administrator or Monitor account for the specified domain.
<i>password</i>	This is the password for the Administrator or Monitor account for the specified domain.
<i>persistCredentials</i>	(true or false, without quotes) This specifies whether to persist the username and password. If set to true, the login credentials will be saved on disk in encrypted form. The default is false.
<i>workspaceDir</i>	(In quotes) This is the absolute pathname for the Guardian Workspace.

Table 3–65 (Cont.) activateDomain Command Arguments

Argument	Description
<i>proxy</i>	(Without quotes) This is the proxy IP address and port, in the following format: <i>proxyIPaddress:port</i>
<i>maxAgentThreads</i>	Specifies the maximum number of Agent threads to allocate in the WebLogic Server Administration Server. This can be an integer value from 1 to 20. The default is 10.
<i>agentThreadTimeoutSecs</i>	Specifies the maximum time in seconds before a Guardian Agent thread is terminated when collecting data from managed servers.

3.8.3.2 createShortcut

Create a Shortcut for the specified domain and Bundle.

```
createShortcut -d domainId [ -b bundleId ] [ -s shortcutName ]
[ -data workspaceDir ]
```

The arguments for this command are described in [Table 3–66](#).

Table 3–66 createShortcut Command Arguments

Argument	Description
<i>domainId</i>	This is the Domain Identifier for the Shortcut.
<i>bundleId</i>	(Numeric) This is the Bundle Identifier for the Shortcut. The default is 0, which is the identifier for the Bundle named Default Signatures. Use the <code>listBundles</code> command to see the list of Bundle values.
<i>shortcutName</i>	(In quotes) This is the name of the Shortcut. The default is: "<bundle_name> in <domain_name>" For example: Critical Signatures in TestDomain Where <code>Critical Signatures</code> is the name of the Bundle and <code>TestDomain</code> is the domain name.
<i>workspaceDir</i>	(In quotes) This is the absolute pathname for the Guardian Workspace.

3.8.3.3 deactivateDomain

Deactivate the specified domain.

```
deactivateDomain -d domainId [ -l deleteUserData ] [ -data workspaceDir ]
```

The arguments for this command are described in [Table 3–67](#).

Table 3–67 deactivateDomain Command Arguments

Argument	Description
<i>domainId</i>	This is the Domain Identifier of the domain to be deactivated.
<i>deleteUserData</i>	(<code>true</code> or <code>false</code> , without quotes) This specifies whether to delete the Domain Inventories and Evaluation Summaries from the Guardian Workspace. The default is <code>false</code> .

Table 3–67 (Cont.) deactivateDomain Command Arguments

Argument	Description
<i>workspaceDir</i>	(In quotes) This is the absolute pathname for the Guardian Workspace.

3.8.3.4 deleteShortcut

Delete the specified Shortcut.

```
deleteShortcut -s shortcutName [ -data workspaceDir ]
```

The arguments for this command are described in [Table 3–68](#).

Table 3–68 deleteShortcut Command Arguments

Argument	Description
<i>shortcutName</i>	(In quotes) This is the name of the Shortcut to be deleted, as listed in the output from the listShortcuts command.
<i>workspaceDir</i>	(In quotes) This is the absolute pathname for the Guardian Workspace.

3.8.3.5 evaluateDomainBundle

Evaluate the specified domain and Bundle. To see the results, open the Guardian User Interface and open the Domain Explorer > Evaluation History folder and select the evaluation. The results are displayed in the Evaluation Summary View in the Document Pane.

```
evaluateDomainBundle -d domainId [ -b bundleId ]  
[ -u username -p password ] [ -c persistCredentials ] [ -data workspaceDir ]
```

The arguments for this command are described in [Table 3–69](#).

Table 3–69 evaluateDomainBundle Command Arguments

Argument	Description
<i>domainId</i>	This is the Domain Identifier of the domain to be evaluated.
<i>bundleId</i>	(Numeric) This is the Bundle Identifier for the Bundle to be evaluated. The default is 0, which is the identifier for the Bundle named Default Signatures. Use the listBundles command to see the list of Bundle values.
<i>username</i>	(Not required if <i>persistCredentials</i> is set to <code>true</code> in <code>activateDomain</code> .) This is the username for the Administrator or Monitor account for the specified domain.
<i>password</i>	(Not required if <i>persistCredentials</i> is set to <code>true</code> in <code>activateDomain</code> .) This is the password for the Administrator or Monitor account for the specified domain.
<i>persistCredentials</i>	(<code>true</code> or <code>false</code> , without quotes) This specifies whether to persist the username and password. If set to <code>true</code> , the login credentials will be saved on disk in encrypted form. The default is <code>false</code> .
<i>workspaceDir</i>	(In quotes) This is the absolute pathname for the Guardian Workspace.

3.8.3.6 evaluateShortcut

Evaluate the domain and Bundle associated with the specified Shortcut. To see the results, open the Guardian User Interface and open the Domain Explorer > Evaluation History folder and select the evaluation. The results are displayed in the Evaluation Summary View in the Document Pane.

```
evaluateShortcut -s shortcutName [ -u username -p password ]
[ -c persistCredentials ] [ -data workspaceDir ]
```

The arguments for this command are described in [Table 3–70](#).

Table 3–70 evaluateShortcut Command Arguments

Argument	Description
<i>shortcutName</i>	(In quotes) This is the name of the Shortcut to be evaluated.
<i>username</i>	(Not required if <i>persistCredentials</i> is set to <code>true</code> in <code>activateDomain</code> .) This is the username for the Administrator or Monitor account for the specified domain.
<i>password</i>	(Not required if <i>persistCredentials</i> is set to <code>true</code> in <code>activateDomain</code> .) This is the password for the Administrator or Monitor account for the specified domain.
<i>persistCredentials</i>	(<code>true</code> or <code>false</code> , without quotes) This specifies whether to persist the username and password. If set to <code>true</code> , the login credentials will be saved on disk in encrypted form. The default is <code>false</code> .
<i>workspaceDir</i>	(In quotes) This is the absolute pathname for the Guardian Workspace.

3.8.3.7 help

Display the list of commands and command syntax.

There are no arguments for this command.

3.8.3.8 inventoryDomain

Inventory the specified domain. To see the results, open the Guardian User Interface and open the Domain Explorer > Inventory History folder and select the inventory. The results are displayed in the Domain Inventory View in the Document Pane.

```
inventoryDomain -d domainId [ -u username -p password]
```

The arguments for this command are described in [Table 3–71](#).

Table 3–71 inventoryDomain Command Arguments

Argument	Description
<i>domainId</i>	This is the Domain Identifier of the domain to be evaluated.
<i>username</i>	(Not required if <i>persistCredentials</i> is set to <code>true</code> in <code>activateDomain</code> .) This is the username for the Administrator or Monitor account for the specified domain.
<i>password</i>	(Not required if <i>persistCredentials</i> is set to <code>true</code> in <code>activateDomain</code> .) This is the password for the Administrator or Monitor account for the specified domain.

3.8.3.9 listActiveDomains

List the active domains in domain identifier format.


```
listActiveDomains [ -data workspaceDir ]
```

The argument for this command is described in [Table 3–72](#).

Table 3–72 listActiveDomains Command Argument

Argument	Description
<i>workspaceDir</i>	(In quotes) This is the absolute pathname for the Guardian Workspace.

3.8.3.10 listBundles

List the Bundle identifier and Bundle name for each of the available Signature Bundles.

```
listBundles [ -data workspaceDir ]
```

The argument for this command is described in [Table 3–73](#).

Table 3–73 listBundles Command Argument

Argument	Description
<i>workspaceDir</i>	(In quotes) This is the absolute pathname for the Guardian Workspace.

3.8.3.11 listShortcuts

List the Shortcuts available for evaluation.

```
listShortcuts [ -data workspaceDir ]
```

The argument for this command is described in [Table 3–74](#).

Table 3–74 listShortcuts Command Argument

Argument	Description
<i>workspaceDir</i>	(In quotes) This is the absolute pathname for the Guardian Workspace.

3.8.3.12 script

Execute the commands contained in the specified script file.

```
script -f scriptname [ -data workspaceDir ]
```

The arguments for this command are described in [Table 3–75](#).

Table 3–75 script Command Arguments

Argument	Description
<i>scriptname</i>	This is the name of a script file containing Guardian commands. Each command must be on a separate line. See Section 2.13.3, "Running Scripts," for instructions.
<i>workspaceDir</i>	(In quotes) This is the absolute pathname for the Guardian Workspace.

3.8.3.13 Related Tasks

- [Section 2.1, "Basic Tasks"](#)
- [Section 2.2, "Guardian Agent"](#)

- [Section 2.3, "Workspaces"](#)
- [Section 2.5, "Domains"](#)
- [Section 2.7, "Proxy Servers"](#)
- [Section 2.8, "Inventories and Evaluations"](#)
- [Section 2.9, "Signatures"](#)
- [Section 2.11, "Bundles"](#)
- [Section 2.12, "Shortcuts"](#)
- [Section 2.13, "Command Line Interface"](#)
- [Section 2.16, "Troubleshooting"](#)
- [Section 2.18, "Updates and Upgrades"](#)

3.8.3.14 Related Reference

- [Section 3.6, "Wizards"](#)
- [Section 3.7, "Log Files"](#)
- [Section 3.3.2, "Domain Explorer"](#)
- [Section 3.3.3, "Signature Explorer"](#)
- [Section 3.3.4, "Bundle Explorer"](#)
- [Section 3.3.5, "Shortcut Explorer"](#)
- [Section 3.4.5, "Domain Inventory View"](#)
- [Section 3.4.6, "Evaluation Summary View"](#)
- [Section 3.4.7, "Text Compare View"](#)
- [Section 3.4.8, "Signature View"](#)
- [Section 3.4.9, "Signature Bundle View"](#)
- [Section 3.4.10, "Active Domains Table"](#)
- [Section 3.4.11, "Shortcuts Table"](#)

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