

Oracle® Guardian

Installation Guide

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Preface

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

Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible to all users, including users that are disabled. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Accessibility standards will continue to evolve over time, and Oracle is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For more information, visit the Oracle Accessibility Program Web site at <http://www.oracle.com/accessibility/>.

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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.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Introduction and Roadmap

The following sections describe the contents and organization of this guide—*Oracle Guardian Installation Guide*:

- [Section 1.1, "Document Scope and Audience"](#)
- [Section 1.2, "Guardian Installation Overview"](#)
- [Section 1.3, "Guide to This Document"](#)
- [Section 1.4, "Related Information"](#)
- [Section 1.5, "New and Changed Features for This Release"](#)

1.1 Document Scope and Audience

This document is intended for system administrators who are installing Oracle Guardian 10.3.2 software. It is assumed that readers are familiar with and have a general understanding of Windows and UNIX platforms.

1.2 Guardian Installation Overview

The following section outlines the basic steps required to install and use this release of Guardian:

1. Review [Chapter 2, "Product Support Information."](#)
2. Install the product. See either of the following as appropriate:
 - [Chapter 3, "Running the Installation Program in Graphical Mode"](#)
 - [Chapter 4, "Running the Installation Program in Console Mode"](#)
3. Start using Guardian. See [Chapter 5, "Launching Guardian."](#)

1.3 Guide to This Document

This document explains how to use the installation program on both Windows and UNIX platforms. It is organized as follows:

- [Chapter 1, "Introduction and Roadmap"](#) — Introduces the scope and organization of this guide.
- [Chapter 2, "Product Support Information"](#) — Provides basic product support information you need to know before installing your Oracle software.

- [Chapter 3, "Running the Installation Program in Graphical Mode"](#) — Describes how to start the installation program in graphical mode on Windows and UNIX platforms.
- [Chapter 4, "Running the Installation Program in Console Mode"](#) — Describes how to start the installation program in console mode on Windows and UNIX platforms.
- [Chapter 5, "Launching Guardian"](#) — Describes how to start using Guardian.
- [Chapter 6, "Uninstalling Guardian"](#) — Provides procedures for uninstalling your Oracle software in graphical and console modes.
- [Appendix A](#) — Provides Apache Licensing information.
- [Appendix B](#) — Provides procedures Eclipse Licensing information.

1.4 Related Information

Other Guardian documents that you may find helpful when installing the software are:

- *Oracle Guardian Release Notes*
- *Oracle Guardian User's Guide*

1.5 New and Changed Features for This Release

For a comprehensive listing of the new Guardian features introduced in this release, see "What's New in Oracle Guardian 10.3.2" in the *Oracle Guardian Release Notes*.

Product Support Information

The following sections provide information on Oracle Guardian 10.3.2 requirements, supported configurations, and supported targets.

- [Section 2.1, "Product Requirements"](#)
- [Section 2.2, "Supported Configurations"](#)
 - [Section 2.2.1, "Supported Operating Systems"](#)
 - [Section 2.2.2, "Supported Java Runtime Versions"](#)
- [Section 2.3, "Supported Targets"](#)

2.1 Product Requirements

This release requires Java Version 5 (Version 1.5) or later.

2.2 Supported Configurations

The following sections outline supported operating systems and Java Runtime Environment versions:

- [Section 2.2.1, "Supported Operating Systems"](#)
- [Section 2.2.2, "Supported Java Runtime Versions"](#)

2.2.1 Supported Operating Systems

[Table 2–1](#) identifies the operating systems supported in this release.

Table 2–1 *Supported Operating Systems*

Operating System	Vendor/Version
Microsoft Windows	XP, Vista, 2003, 2000, 2008
Linux	Red Hat Enterprise Linux 4, 5 (x86, 32-bit) Oracle Enterprise Linux 4, 5 Note: Requires Mozilla

2.2.2 Supported Java Runtime Versions

[Table 2–2](#) identifies the supported Java Runtime Environment (JRE) versions.

Table 2–2 Supported Java Runtime Environment Versions

Vendor	JRE Version
Oracle JRockit	Java Version 5 (Version 1.5) or later (x86, 32-bit)
Sun Microsystems JRE	Version 5 (Version 1.5) or later

2.3 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 2–3](#) identifies the Oracle product versions that are fully supported by Oracle Guardian.

Table 2–3 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 2–4](#) 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 2–4 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

Running the Installation Program in Graphical Mode

The following sections provide instructions for installing Guardian in graphical mode:

- [Section 3.1, "Before You Start"](#)
- [Section 3.2, "Downloading the Guardian Software"](#)
- [Section 3.3, "Starting the Installation Program"](#)
- [Section 3.4, "What's Next?"](#)

3.1 Before You Start

If you are upgrading from a previous version of Guardian to this release, you must install Guardian in a different location than the previous Guardian installation. Otherwise:

- The Guardian Registry will not be installed properly and Guardian will not be able to start.
- You will not be able to import your previous Workspace data.

Oracle recommends that you back up your previous installation before proceeding, to ensure that your data is preserved.

3.2 Downloading the Guardian Software

Use the following procedure to download the Guardian software.

1. Log in to My Oracle Support at the following URL:
<http://www.oracle.com/support/premier/myoraclesupport.html>
2. Navigate to the Oracle Guardian Resource Center by doing the following:
 - a. On the Dashboard page of My Oracle Support, click **Knowledge**.
 - b. In the Browse Knowledge panel on the left, click **Tools and Training > Diagnostic Tools**.
 - c. In the Diagnostic Tools page, in the Diagnostic Tools - Database And Fusion Middleware section, click **Guardian Resource Center**.
3. In the Oracle Guardian Resource Center page, click **Product Downloads and Latest Signature Patterns Release Documentation**.

4. In the Product Downloads and Latest Signature Patterns Release Documentation page, click the Oracle Guardian 10.3.2 product download link that matches your platform.
5. On the download page, click **Download** to download the installer zip file for your platform.

Note that on the download page, you can also click the following:

- **View Readme** — to display a window identifying the contents of the zip file
- **View Digest** — to view either the SHA-1 digest or MD5 signature of the zip file for verifying the integrity of the product installer after download is complete

3.3 Starting the Installation Program

Use the following procedure to install Guardian using Graphical Mode.

1. After the download to your machine is complete, as described in [Section 3.2, "Downloading the Guardian Software,"](#) unzip the download file.
2. Change to the directory in which the product download has been unzipped and start the installer.

- **For Windows:**

Double-click on the following executable filename, or enter it as a command at the Windows command prompt:

```
guardian_installer.exe
```

- **For Linux:**

Enter the following command:

```
./guardian_installer.bin
```

This displays the first page of the Installation Wizard.

3. Select the language from the drop down menu at the bottom of the page, and click **OK**.

The wizard displays the **Introduction** page.

4. Read the introduction and click **Next**.

The wizard displays the **Choose Install Folder** page.

5. Select the location in which to install Guardian.

Accept the default, or click **Choose** to open a file browser from which you can select the preferred location.

Caution: If you are upgrading, do **not** accept the default installation location. Be sure to install Guardian in a location different from the previous Guardian installation. Otherwise, the Registry is not installed properly and Guardian cannot be started.

6. Click **Next**.

This displays the **Pre-installation Summary** page.

7. Review your installation details and click **Install** to continue.

Note: If you need to change a setting, click **Previous** to backtrack to the appropriate page and change your setting.

The wizard displays the **Installing Oracle Guardian** progress page. When the installation is complete, the **Install Complete** page is displayed.

8. Click **Done** to close the wizard.

3.4 What's Next?

You are now ready to launch Guardian. If you are running Guardian on a version of WebLogic Server earlier than 10.0, you need to deploy the Guardian Agent in the WebLogic Server Administration Server. See "Deploy the Guardian Agent" in the *Oracle Guardian User's Guide*.

If you are upgrading Guardian from a previous release, you might want to run the Update Wizard prior to launching Guardian. The Update Wizard, which is available from the Guardian user interface, connects to My Oracle Support. You are prompted to enter your My Oracle Support username and password. You are then presented with a list of product updates that you may download and install. For information about running the Update Wizard, see "Updates and Upgrades" in *Oracle Guardian User's Guide*.

Running the Installation Program in Console Mode

The following sections provide instructions for installing Guardian in console mode:

- [Section 4.1, "Before You Start"](#)
- [Section 4.2, "Downloading the Guardian Software"](#)
- [Section 4.3, "Starting the Installation Program"](#)
- [Section 4.4, "What's Next?"](#)

4.1 Before You Start

If you are upgrading from a previous version of Guardian to this release, you must install Guardian in a different location than the previous Guardian installation. Otherwise:

- The Guardian Registry will not be installed properly and Guardian will not be able to start.
- You will not be able to import your previous Workspace data.

Oracle recommends that you back up your previous installation before proceeding to ensure that your data is preserved.

4.2 Downloading the Guardian Software

Use the following procedure to download the Guardian software.

1. Log in to My Oracle Support at the following URL:
<http://www.oracle.com/support/premier/myoraclesupport.html>
2. Navigate to the Oracle Guardian Resource Center by doing the following:
 - a. On the Dashboard page of My Oracle Support, click **Knowledge**.
 - b. In the Browse Knowledge panel on the left, click **Tools and Training > Diagnostic Tools**.
 - c. In the Diagnostic Tools page, in the Diagnostic Tools - Database And Fusion Middleware section, click **Guardian Resource Center**.
3. In the Oracle Guardian Resource Center page, click **Product Downloads and Latest Signature Patterns Release Documentation**.

4. In the Product Downloads and Latest Signature Patterns Release Documentation page, click the Oracle Guardian 10.3.2 product download link that matches your platform.
5. On the download page, click **Download** to download the installer zip file for your platform.

Note that on the download page, you can also click the following:

- **View Readme** — to display a window identifying the contents of the zip file
- **View Digest** — to view either the SHA-1 digest or MD5 signature of the zip file for verifying the integrity of the product installer after download is complete

4.3 Starting the Installation Program

Use the following procedure to install Guardian using Console Mode.

1. After the download to your machine is complete, unzip the file.
2. Change to the directory in which the product installer has been unzipped and start the installer by entering the following command:

- **For Windows:**

```
guardian_installer.exe -i console
```

- **For Linux:**

```
./guardian_installer.bin i console
```

This displays the first section of the Installation Wizard in which you view the terms of the end user Guardian license agreement.

3. Press **Enter** to agree to the license agreement and continue.

The wizard displays the **Choose Install Folder** section.

4. Press **Enter** to accept the default installation directory, or enter the fully qualified name of an alternative installation directory.

The wizard displays the **Choose Link Location** section.

5. Select the link location and press **Enter**.

This displays the Pre-installation Summary section.

6. Review your installation details and press **Enter** to continue.

This displays the **Ready To Install** section.

7. When you are ready to begin the installation, press **Enter**.

The Installation Wizard displays several messages in the console window as the installation continues.

8. When the wizard displays a message indicating that the installation is complete, press **Enter** to exit the installer.

4.4 What's Next?

You are now ready to launch Guardian. If you are running Guardian on a version of WebLogic Server earlier than 10.0, you need to deploy the Guardian Agent in the

WebLogic Server Administration Server. For more information, see "Deploy the Guardian Agent" in the *Oracle Guardian User's Guide*.

If you are upgrading Guardian from a previous release, you might want to run the Update Wizard prior to launching Guardian. The Update Wizard, which is available from the Guardian user interface, connects to My Oracle Support. You are prompted to enter your My Oracle Support username and password. You are then presented with a list of product updates that you may download and install. For information about running the Update Wizard, see "Updates and Upgrades" in *Oracle Guardian User's Guide*.

Launching Guardian

The following sections provide information for starting the Guardian User Interface and Guardian Command Line Interface (Guardian Headless Mode):

- [Section 5.1, "Overview"](#)
- [Section 5.2, "Start the Guardian User Interface"](#)
- [Section 5.3, "Start the Guardian Command Line Interface"](#)

5.1 Overview

Oracle Guardian has two modes of operation:

- **Guardian User Interface** — This is a Graphical User Interface (GUI) that provides the ability to perform the majority of Guardian tasks and activities. However, this interface does not include the scripting capabilities provided by the Command Line Interface. See [Section 5.2, "Start the Guardian User Interface."](#)
- **Guardian Command Line Interface (CLI)** — The Command Line Interface provides scripting capabilities. Scripts are useful for automating repetitive or complex tasks that are performed frequently. See [Section 5.3, "Start the Guardian Command Line Interface."](#)

5.2 Start the Guardian User Interface

The Guardian is located in the Guardian installation home directory. For example:

```
<Guardian_Root>\guardian.exe
```

In the preceding path name, *<Guardian_Root>* represents the Guardian installation directory.

Each time you start the Guardian User Interface, you are prompted to select a Guardian Workspace. If you do not want to select the Workspace each time you start Guardian, you can specify a default location and select an option to skip this process in the future. Instructions are provided below. For a description of the Guardian Workspace, see "About Oracle Guardian" in *Oracle Guardian User's Guide*.

To start Guardian and select a Workspace, do the following:

1. Open the Guardian User Interface.
 - In Windows:
Select **Start > Oracle Guardian > Guardian** or double-click on `guardian.exe` in your Guardian installation home folder.

- In Linux:

Change directories to the installation directory, and enter the following command:

```
./guardian.sh
```

Guardian first displays the initial splash screen while loading, and then displays the Select Workspace dialog box.

2. Select or create the folder (directory) to use as your Workspace folder.

Important: Do *not* place this folder within the Guardian installation directory. Otherwise, when conducting automatic updates of Guardian, your Workspace will be overwritten and the data will be lost. In addition, if you are upgrading from a previous Guardian release and have not yet imported your old Workspace, do not select the default because that may cause old contents to be overwritten. Make sure that you select a location that is different from the Workspace used by the previous Guardian version.

To use an existing folder, click **Browse** to open a directory browser from which you can 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
- d. Click **OK**.

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

3. (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.

Note: You can change this setting later by selecting **Prompt for workspace on startup** in the Guardian Preferences configuration page. For instructions, "Select Workspace" in *Oracle Guardian User's Guide*.

4. Click **Finish**.

Guardian loads the selected Workspace and completes the startup procedure.

5.3 Start the Guardian 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. A Guardian CLI command is available for almost every task in the Guardian User Interface. For a complete description of these commands and their syntax, see "Command Reference" in *Oracle Guardian User's Guide*.

To start the Guardian Command Line Interface, do the following:

Note: Guardian Command Line Interface commands are case sensitive.

1. At the operating system command prompt, change directories to the Guardian installation directory.
2. Enter the Guardian Headless command.
 - On Windows:


```
guardianHeadless.cmd
```
 - On Linux:


```
guardianHeadless.sh
```
3. (Optional) To see a list of CLI commands and their syntax, enter the CLI Help command at the operating system prompt.
 - On Windows:


```
guardianHeadless.cmd -g help
```
 - On Linux:


```
guardianHeadless.sh -g help
```

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. For instructions about how to select a Guardian Workspace, see "Select Workspace" in *Oracle Guardian User's Guide*.

The following are some examples of Guardian Headless command lines:

- ```
guardianHeadless.cmd -g listActiveDomains
```
- ```
guardianHeadless.cmd -g activateDomain -t
http://localhost:9116 -u un -p pw -c true -data
"D:\MyData\Guardian Data Directories\
Installer-2079"
```
- ```
guardianHeadless.cmd -g createShortcut -d Naxos_localhost_
9116 -b 2
```
- ```
guardianHeadless.cmd -g deleteShortcut -s "Security
Advisories in Naxos"
```

The output of each command is sent 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.

For a complete list of Guardian Command Line Interface commands and syntax, see "Command Reference" in *Oracle Guardian User's Guide*.

Uninstalling Guardian

The following sections provide procedures for uninstalling the software:

- [Section 6.1, "About the Uninstallation Program"](#)
- [Section 6.2, "Uninstalling Your Software in Graphical Mode"](#)
- [Section 6.3, "Uninstalling Your Software in Console Mode"](#)
- [Section 6.4, "Reinstalling Your Software"](#)

6.1 About the Uninstallation Program

The following sections describe how to uninstall your Oracle Guardian software on Windows and UNIX systems. You can uninstall the software using graphical or console mode. To run the graphical-mode uninstallation program, your console must support a Java-based GUI. If the uninstallation program determines that your system cannot support a Java-based GUI, it automatically starts running in console mode.

The uninstallation program does not remove directories associated with the installation, the JDK, or any user-created domains.

6.2 Uninstalling Your Software in Graphical Mode

Use the following procedure to uninstall the complete product installation, or individual components, in graphical mode:

1. Start the uninstallation program as described in [Table 6–1](#).

Table 6–1 Starting the Uninstallation Program in Graphical Mode

To start the uninstallation program on this platform . . .	Perform the following steps . . .
Windows	<ol style="list-style-type: none"> 1. From the Windows Start menu, choose Start > All Programs > Guardian > Uninstall. The Uninstaller Welcome window is displayed. 2. Proceed to step 2, following this table.

Table 6–1 (Cont.) Starting the Uninstallation Program in Graphical Mode

To start the uninstallation program on this platform . . .	Perform the following steps . . .
UNIX	<ol style="list-style-type: none"> 1. Change to the following directory: <i>install_Directory</i>/Guardian/Uninstall Guardian Here, <i>install_Directory</i> represents the directory in which you have installed Guardian. 2. Enter <code>Uninstall_Guardian.sh</code> at the prompt. The Uninstaller Welcome window is displayed. <p>Note: If your system supports a graphical user interface, the uninstallation program starts in graphical mode. If your system does not support a graphical user interface, the uninstallation program starts in console mode. If console mode is started, see Section 6.3, "Uninstalling Your Software in Console Mode," for instructions.</p>

2. Click **Uninstall** to start the uninstall program.
3. Click **Done** to exit the uninstallation program.

6.3 Uninstalling Your Software in Console Mode

Use the following procedure to uninstall using the command-line interface:

1. Start the uninstallation program as described in [Table 6–2](#).

Table 6–2 Starting the Uninstallation Program in Console Mode

To start the uninstallation program on this platform . . .	Perform the following steps . . .
Windows	<ol style="list-style-type: none"> 1. Open a Command Prompt window and go to the following directory: <i>install_Directory</i>/Guardian/Uninstall Guardian Here, <i>install_Directory</i> represents the directory in which you have installed Guardian. 2. Enter the following command at the prompt: <code>"Uninstall_Guardian.exe" -i console</code> The Welcome text is displayed.
UNIX	<ol style="list-style-type: none"> 1. Go to the following directory: <i>install_Directory</i>/Guardian/Uninstall Guardian Here, <i>install_Directory</i> represents the directory in which you have installed Guardian. 2. At the prompt, enter the following command: <code>sh Uninstall_Guardian.sh -i console</code> The Welcome text is displayed.

2. Press Enter and proceed as directed.
3. When the uninstallation process is complete, press Enter or type `exit` to complete the uninstallation and exit the uninstallation program.

6.4 Reinstalling Your Software

You should not reinstall Guardian on top of a previously installed version. To reinstall the same version, uninstall the previous installation.

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