

Oracle® Guardian

Installation Guide

10g Release 3 (10.3.1)

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ORACLE®

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Introduction and Roadmap

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

- [Document Scope and Audience](#)
- [Guardian Installation Overview](#)
- [Guide to This Document](#)
- [Related Information](#)
- [New and Changed Features for This Release](#)

Document Scope and Audience

This document is intended for system administrators who are installing Oracle® Guardian 10g Release 3 (10.3.1) software. It is assumed that readers are familiar with and have a general understanding of Windows and UNIX platforms.

Guardian Installation Overview

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

1. Review [Product Support Information](#).
2. Install the product. See:
 - [Running the Installation Program in Graphical Mode](#)

- [Running the Installation Program in Console Mode](#)
3. [Deploy the Guardian Agent](#).
 4. If necessary, [Upgrade from Previous Releases](#).
 5. Start using Guardian. See [Launching Guardian](#).

Guide to This Document

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

- [Introduction and Roadmap](#)—Introduces the scope and organization of this guide.
- [Product Support Information](#)—provides basic product support information you need to know before installing your Oracle software.
- [Running the Installation Program in Graphical Mode](#)—describes how to start the installation program in graphical mode on Windows and UNIX platforms.
- [Running the Installation Program in Console Mode](#)—describes how to start the installation program in console mode on Windows and UNIX platforms.
- [Deploy the Guardian Agent](#)—describes how to deploy the Guardian Agent.
- [Upgrade from Previous Releases](#)—describes how to upgrade from previous releases.
- [Launching Guardian](#)—describes how to start using Guardian.
- [Uninstalling Guardian](#)—provides procedures for uninstalling your Oracle software in graphical and console modes.
- [Appendix A: Apache License](#)—provides Apache Licensing information.
- [Appendix B: Eclipse License](#)—provides procedures Eclipse Licensing information.

Related Information

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

- [Oracle® Guardian 10g Release 3 \(10.3.1\) Release Notes](#)
- [Oracle® Guardian 10g Release 3 \(10.3.1\) User Guide](#)

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 the *Release Notes*.

Product Support Information

The following sections provide information on Oracle Guardian 10g Release 3 (10.3.1.0.0) requirements, supported configurations, and supported targets.

- [Product Requirements](#)
- [Supported Configurations](#)
 - [Supported Operating Systems](#)
 - [Supported Java Runtime Versions](#)
- [Supported Targets](#)

Product Requirements

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

Supported Configurations

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

- [Supported Operating Systems](#)
- [Supported Java Runtime Versions](#)

Supported Operating Systems

This release supports the following operating systems:

Table 2-1 Supported Operating Systems

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

Supported Java Runtime Versions

This release supports the following 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 above
Sun Microsystems JRE	Version 5 (Version 1.5) or above

Supported Targets

Supported Targets are the environments that Oracle Guardian targets for evaluations. This is distinct from supported configurations, which are the environments in which the Guardian application can be installed and executed.

Basically, Guardian can target any platform for evaluation that allows it to install and communicate with the Guardian Agent. In addition, the Guardian Agent must have access to a specific set of Java system information properties and methods. The Oracle products capable of supporting these operations are based on WebLogic Server Versions 8.1 and above. The following Oracle product versions are supported:

Table 2-3 Supported Oracle Products

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
WebLogic Server	8.1 and above
WebLogic Virtual Edition	1.1

Running the Installation Program in Graphical Mode

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

- [Before You Start](#)
- [Starting the Installation Program](#)
- [What's Next?](#)

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.

Starting the Installation Program

Use the following procedure to install Guardian using Graphical Mode.

1. Download the Guardian Installer from
<http://www.oracle.com/technology/software/products/guardian/index.html>.
2. Unzip the file.

3. Start the Installer.

– **For Windows:**

To start the installer, double-click on the following executable filename, or enter it as a command at the Windows command prompt:

```
guardian_installer.exe
```

– **For Linux:**

```
./guardian_installer.bin
```

This displays the first page of the Installation Wizard, in which you can select the language for the installation.

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

The wizard proceeds to the **Introduction** page.

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

The wizard proceeds to the **Choose Install Folder** page.

6. Select the location in which to install Guardian.

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

Caution: If you are upgrading, do **not** accept the default. Be sure to install Guardian in a different location than the previous Guardian installation. Otherwise, the Registry will not be installed properly and Guardian will not be able to start.

7. Click **Next**.

This proceeds to the **Pre-installation Summary** page.

8. Review your installation details and click **Install** to proceed.

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 finishes, the **Install Complete** page displays.

9. Click **Done** to dismiss the wizard.

What's Next?

You are now ready to deploy the Guardian Agent in the WebLogic Administration Server. See [Deploy the Guardian Agent](#).

Running the Installation Program in Console Mode

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

- [Before You Start](#)
- [Starting the Installation Program](#)
- [What's Next?](#)

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.

Starting the Installation Program

Use the following procedure to install Guardian using Console Mode.

1. Download the Guardian Installer from
<http://www.oracle.com/technology/software/products/guardian/index.html>.
2. Unzip the file.

3. Start the Installer.

– **For Windows:**

At a Windows command prompt:

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

– **For Linux:**

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

This displays the first section of the Installation Wizard, in which you can select the locale for the installation.

4. Set the locale and press **Enter**.

The wizard proceeds to the **Choose Install Folder** section.

5. Press **Enter** to accept the default or enter a fully qualified path for the installation.

The wizard proceeds to the **Choose Link Location** section.

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

This proceeds to the **Pre-installation Summary** section.

7. Review your installation details and press **Enter** to proceed.

This proceeds to the **Ready To Install** section.

8. Press **Enter**.

9. Click **Enter** to dismiss the wizard.

What's Next?

You are now ready to deploy the Guardian Agent in the WebLogic Administration Server. See [Deploy the Guardian Agent](#).

Deploy the Guardian Agent

The following sections provide instructions for deploying the Guardian Agent to any WebLogic Server instances you wish to evaluate:

- [Before You Start](#)
- [Deploy the Guardian Agent](#)
 - [Deploy Guardian Agent from WebLogic Server Administration Console](#)
 - [Deploy Guardian Agent to Multiple Servers](#)
- [What's Next?](#)

Before You Start

- You must install Guardian before deploying an agent. See:
 - [Running the Installation Program in Graphical Mode](#) or
 - [Running the Installation Program in Console Mode](#)
- Uninstall any previously deployed Guardian Agents.

Deploy the Guardian Agent

For a single instance, you can use the WebLogic Server Administration Console to install and deploy the new Agent. The WebLogic Server Administration Console provides a series of Web-based deployment assistants that guide you through the deployment process. For a summary

of the steps involved in deploying the Guardian Agent, see [Deploy Guardian Agent from WebLogic Server Administration Console](#). For complete instructions on deploying applications, see the Administration Console Online Help, and WebLogic Server documentation.

If you want to deploy the Guardian Agent to multiple servers, you can use the WebLogic Scripting Tool to automate this task. For basic instructions, see [Deploy Guardian Agent to Multiple Servers](#). For complete instructions on using the WebLogic Scripting tool to deploy applications, see the WebLogic Scripting Tool documentation.

Deploy Guardian Agent from WebLogic Server Administration Console

You can use the WebLogic Server Administration Console to manually deploy the Guardian Agent to the Administration Server. This section provides a summary of the basic steps involved for WebLogic Server versions 9.0 and above. For complete instructions for your specific version of WebLogic Server, please see your WebLogic Server documentation and Administration Console Online Help. Please also refer to the [Release Notes](#) for additional important information.

To use the Administration Console to manually deploy the Guardian Agent, do the following:

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.

2. If necessary, stop the existing Guardian Agent deployment in the WebLogic Server.

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

Note: For detailed instructions for this procedure, see “Start and stop a deployed Enterprise Application” in the WebLogic Administration Console Online Help.

Delete the existing Guardian Agent deployment from the WebLogic Server, and activate your changes.

Note: For detailed instructions for this procedure, see “Delete an Enterprise Application” in the WebLogic Administration Console Online Help.

3. Install the new Guardian Agent in the WebLogic Server, 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>
```

Where:

`<root>` is the parent directory for the Guardian installation. For example:
`C:\Program Files`

`<guard-version>` is the current (updated) Guardian version.

`<wls-version>` is the version of WebLogic Server in which you are deploying this Agent.

If you are installing the Agent on WebLogic 8.1.x, install the `bea-guardian-agent.war` file located in the `..\weblogic8` directory. For WebLogic Server 9.x and 10.x, install the `bea-guardian-agent.war` file located in the `..\weblogic9` directory.

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

Note: For detailed instructions for this procedure, see the section entitled, “Install an Enterprise Application” in the Administration Console Online Help.

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

Note: For detailed instructions for this procedure, see “Start and stop a deployed Enterprise Application” in the WebLogic Administration Console Online Help.

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

Note: For detailed instructions for this procedure, see “Activate Domain” in the Oracle Guardian Online Help.

You Guardian deployment is complete. See [What’s Next?](#) for information on how to upgrade from previous releases and launch Guardian.

Deploy Guardian Agent to Multiple Servers

If you need to deploy the Guardian Agent to multiple servers, you can use the `weblogic.Deployer` command in the WebLogic Server Command Line Interface to automate this task. You can also use the WebLogic Scripting Tool (WLST) to deploy the Agent. This section provides basic instructions for using the `weblogic.Deployer` command for this purpose. For instructions on using WLST, please see the WebLogic Scripting Tool documentation.

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

At the WebLogic Server CLI prompt, enter the following command line:

```
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
```

Where:

- **<admin_url>** is the URL for the WLS Admin Server.
- **<port>** is the port number for the WLS Admin Server.
- **<cluster1>,<cluster2>** are the names of all configured clusters.
- **<dir_path>** is the directory path to the Guardian Agent WAR file
(bea-guardian-agent.war).

See the next section for information on how to upgrade from previous releases and launch Guardian.

What's Next?

- If you are upgrading from a previous version, you are now ready to install and run the Upgrade Plug-in. See [Upgrade from Previous Releases](#).
- If you do not need to upgrade from a previous version, you are now ready to start and use Guardian. See [Launching Guardian](#).

Upgrade from Previous Releases

The following sections provide information on how to upgrade from previous Guardian releases:

- [Before You Start](#)
- [Install and Run the Upgrade Plug-in](#)
- [What's Next?](#)

Before You Start

Before you upgrade from a previous release, verify that you have completed the following tasks before proceeding:

- Installed the new version of Guardian. See:
 - [Running the Installation Program in Graphical Mode](#) or
 - [Running the Installation Program in Console Mode](#)
- Deployed the new version of Guardian, see [Deploy the Guardian Agent](#).

Install and Run the Upgrade Plug-in

To upgrade from previous Guardian releases, you must install and run the Upgrade Plug-in to complete the upgrade procedure. The Upgrade Plug-in imports your Guardian existing Workspace into a current Guardian workspace and updates the Guardian Registry.

To install and run the Upgrade Plug-in, do the following:

1. Download the Guardian Upgrade Plug-in from the Oracle OTN web site.

- a. Download the following file:

`com.bea.guardian.ui.importing_1.0.0.jar`

This is a plug-in for importing your previous Guardian Registry into the new Guardian Registry.

2. Copy the plug-in JAR into the `plugins` directory in your Guardian installation.

Copy the `com.bea.guardian.ui.importing_1.0.0.jar` file to the following directory:

`<Guardian_Root>\guardian\plugins\`

Where:

`<Guardian_Root>` is the Guardian installation root directory.

3. Start the Guardian User Interface.

You can start the BEA Guardian User Interface (GUI) from either the Windows **Start** menu, or by invoking the `guardian.exe` executable in your Guardian installation directory. For details, see [Launching Guardian](#).

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

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

IMPORTANT: For this upgrade procedure, do **not** accept the default location. Also, make sure this directory is not located within the Guardian installation directory, and is in a different location than your previous Guardian Workspace.

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
- d. Click **OK**.

This creates or selects the folder 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**. This is particularly useful to prevent accidentally accepting the default Workspace, and having to reconstruct or reimport your Workspace data. For the purposes of this upgrade, it is recommended that you select this option until the upgrade is complete. You can change this setting at a later time by selecting **Prompt for workspace on startup** in the Guardian **Preferences** configuration page. For instructions, open the Guardian Online Help and select **Tasks > Workspaces > Select Workspace**.

- 6. Click **Finish**.

Guardian creates the new Workspace and starts Guardian.

- 7. Import your previous Guardian Workspace to the new Workspace.

In the Guardian User Interface, do the following:

- a. Select **File > Import** to open the **Import** wizard.
- b. In the folder tree, open the **Guardian** folder and select **Guardian 1.0 Workspace**.
- c. Click **Next** to proceed to the **Select 1.0 Installation** page.
- d. Click **Browse** to open a file browser from which you can select your Guardian 1.0 installation directory.
- e. Click **OK** to select the directory and return to the **Select 1.0 Installation** page.
- f. Click **Next** to proceed to the **Select 1.0 Workspaces** page.
- g. Select a Workspace and click **Finish**.

Guardian proceeds to import the selected Workspace. This may take a few seconds to complete.

8. Restart Guardian.

Restart Guardian to automatically add the domains from the imported Workspace to the **Domain Explorer** tree. Until you restart Guardian, the imported data will not be displayed in the Navigation Pane Explorers.

The installation is now complete, and you can use Guardian to evaluate your environment.

Check Product Configuration

You can use the **Product Configuration** page to check the current configuration for a Guardian installation.

To check the current Guardian configuration, do the following:

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.

What's Next?

You are now ready to start and use Guardian. See [Launching Guardian](#).

Launching Guardian

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

- [Overview](#)
- [Start the Guardian User Interface](#)
- [Start the Guardian Command Line Interface](#)

Overview

Oracle Guardian has two modes of operation:

- **Guardian User Interface** — This is a Graphical User Interface (GUI) that provides more functionality and is much easier to use. In general, use the Guardian User Interface 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 [Start the Guardian User Interface](#).
- **Guarding 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 [Start the Guardian Command Line Interface](#).

Start the Guardian User Interface

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

`<Guardian_Root>\guardian.exe`

Where:

`<Guardian_Root>` is the Guardian installation directory. See

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 “Chapter 1: About Guardian” in the *Guardian User 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, as that may overwrite the old contents. Make sure that you select a location that is different than the Workspace used by the previous 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 at a later time by selecting **Prompt for workspace on startup** in the Guardian **Preferences** configuration page. For instructions, open the Online Help and select **Tasks > Workspaces > Select Workspace**.

4. Click **Finish**.

Guardian loads the selected Workspace and completes the startup procedure.

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. There is a Guardian CLI command for almost every task available in the Guardian User Interface. For a complete description of these commands and their syntax, see the Guardian 1.1 Online Help and the *Guardian User 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 on selecting a Guardian Workspace, see the *Guardian User Guide* and Guardian Online Help.

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 the *Guardian User Guide* and the Online Help.

Uninstalling Guardian

The following sections provide procedures for uninstalling the software:

- [About the Uninstallation Program](#)
- [Uninstalling Your Software in Graphical Mode](#)
- [Uninstalling Your Software in Console Mode](#)
- [Reinstalling Your Software](#)

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 consolemode. 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.

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 8-1](#).

Table 8-1 Starting the Uninstallation Program in Graphical Mode

To start the uninstallation program on this platform . . .	Perform the following steps . . .
Windows	<div>1. From the Windows Start menu, choose Start > All Programs > Guardian > Uninstall. The Uninstaller Welcome window is displayed.</div> <div>2. Proceed to step 2.</div>
UNIX	<div>1. Go to the following directory: <code>install_Directory/Guardian/Uninstall Guardian</code> Here <code>install_Directory</code> represents the directory in which you have installed Guardian.</div> <div>2. Enter <code>Uninstall_Guardian.sh</code> at the prompt. The Uninstaller Welcome window is displayed.</div> <div>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 “Uninstalling Your Software in Console Mode” on page 8-28 for instructions.</div>

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

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 8-2](#).

Table 8-2 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: "Uninstall Guardian.exe" -i console 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: sh Uninstall_Guardian.sh -i console 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.

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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