



BEA WebLogic Operations Control

Installation Guide

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Introduction

This document describes how to install WebLogic Operations Control (WLOC) 1.0.

Guide to This Document

This document includes the following sections:

- Introduction—This section.
- [Chapter 2, “Preparing For Your Installation”](#)—Describes how to obtain WLOC, lists WLOC components, and gives other pre-install information.
- [Chapter 3, “Installing WLOC”](#)—Provides step-by-step installation instructions.
- [Chapter 4, “Post-Installation Information”](#)—Describes the files created during installation, the Windows start menu entries, and updates.
- [Chapter 5, “Uninstalling WLOC”](#)—Provides instructions for removing installed WLOC components.

Related Information

The WLOC documentation set includes the following:

- *Installation Guide*—This document.
- *Use Case Example*— Provides a basic use-case example for WLOC using a Plain Agent.

- *Configuration Guide*—Describes how to configure and manage WLOC 1.0 Controller and Agents, configure services and policies to manage services, and configure security. It also describes how to use WLOC 1.0 to monitor, log, and audit the operations of your services and resources.
- *LiquidVM User Guide*—Describes how to use LiquidVM to create and deploy virtualized Java software appliances directly onto virtualized server resources.
- *WLOC Administration Console Help*—The online help for WLOC’s graphical user interface. You can access the WLOC Administration Console Help either by clicking the Help link in the upper right corner of the Administration Console, or at <http://edocs.bea.com/wloc/docs10/ConsoleHelp>.
- *Controller Configuration Schema Reference*—A reference to the XML Schema used to persist the configuration of the WLOC Controller component.
- *Agent Configuration Schema Reference*—A reference to the XML Schema used to persist the configuration of the WLOC Agent component.
- *Service Metadata Configuration Schema Reference*—A reference to the XML Schema used to persist the configuration of WLOC services.
- *Message Catalog*—A reference to messages generated by WLOC.

Preparing For Your Installation

The following topics provide useful information about installing WLOC:

- [“Installation Overview”](#) on page 2-2
- [“Planning Your WLOC Installation”](#) on page 2-3
- [“Selecting Directories for Your Installation”](#) on page 2-4

Installation Overview

WLOC is an application administrator’s tool for deploying and managing multiple applications. It provides a policy-base framework for SLA governance of Java applications deployed across virtualized or non-virtualized platforms.

Installation Modes

You can install WLOC in one of the following modes.

- *Graphical Mode*—GUI-based installation that displays windows that prompt for settings to use during installation.
- *Silent Mode*—A non-interactive install that requires the use of an XML file that contains settings to use during installation. Silent-mode installations are intended for administrators to perform the same installation on many machines.
- *Console Mode*—An interactive, text-based method for installing from the command line.

For more information, see [Chapter 3, “Installing WLOC”](#).

Main Installation Steps

The following steps summarize the overall process for installing WLS-VE.

Table 2-1 Main Installation and Configuration Steps

Step	Description
1. Plan your WLOC installation	Before you install WLOC, you need to: <ul style="list-style-type: none">• Ensure that your environment meets the WLOC requirements. See “Verifying That Your Environment Supports WLOC” on page 2-3.• Obtain the WLS-VE software from your BEA sales representative. See “WLOC Installation Components” on page 2-3.
2. Install the WLOC software	Install the software, as described in Chapter 3, “Installing WLOC” .

Table 2-1 Main Installation and Configuration Steps

Step	Description
3. Configure WLOC Controller and Agent components	After you have installed the software, use the WLOC Configuration Wizard to create the Controller and Agent components. See the <i>WLOC Configuration Guide</i> , which provides details for configuring, using, and administering WLOC.
4. Configure ISO images	Optionally, use the WLOC ISO Builder to configure ISO-9660 image files from a template ISO-9660 file. For information about using the LVM Tools, see the <i>LiquidVM User Guide</i> .

Product Distribution Methods

You can obtain the WLOC software in one of the following ways:

- Download the software from the BEA Web site at <http://commerce.bea.com>.
- Purchase the software on DVD from your local sales representative.

Planning Your WLOC Installation

This section describes some aspects you should consider in planning your WLOC installation:

Verifying That Your Environment Supports WLOC

Before planning any WLOC implementation, you must verify that your environment has a supported configuration of hardware, operating system, and application server on which you can run WLOC Controllers and Agents. See [Supported Configurations for WLOC](#) documentation.

WLOC Installation Components

The WLOC installation program installs three separate components. You may install all components or elect to install specific ones.

- **WLOC Controller**—The Controller is the centralized system that maintains all information about the applications and resources under governance, and serves as the authority for executing any deployment, and configuration and monitoring changes. The Controller also hosts the WLOC Administration Console.

- **WLOC Agent**—The Agent is the remote system through which the Controller communicates with the application instances and server resources for management and monitoring.
- **LVM Tools**—LiquidVM is the foundation for creating virtualized Java software appliances that can be deployed directly onto virtualized server resources. LiquidVM allows users to create and deploy such software appliances. For information about using LVM Tools, see the [LiquidVM User Guide](#).

Note: LVM Tools are not supported on Solaris platforms.

Recommended Component Topology

You can use a variety of different topologies when you install WLOC. Here are some recommendations:

- Place all WLOC components and the processes that WLOC manages behind the same firewall.
- Install the Controller on a physical machine. If you use VMware Virtual Center, you may achieve better performance if you run it and the WLOC Controller on different physical machines.
- Install Hypervisor Agents on a physical machine. For convenience, you can install Agents on the same physical machine as the Controller; however, you may achieve better performance if you run the Agents and the Controller on different physical machines.

Selecting Directories for Your Installation

During the installation process, you need to specify locations for the following directories:

Choosing a BEA Home Directory

During installation, you are prompted for the location of an existing or new BEA Home directory. This directory serves as a repository for files that facilitate any future upgrades or installation of patches.

The BEA Home directory can be considered a *central support directory* for all BEA products installed on the same system. For example, if you use WLS, WLW, and WLOC, you can maintain a single BEA Home directory for all products.

Warning: The use of spaces in the BEA Home directory (*BEA_HOME*) and the WLOC product directory name (*WLOC_HOME*) are not supported.

BEA Home Directory Structure

Table 2-2 shows the files and directories created in the BEA Home directory when WLOC is installed. Note that installation of other BEA products in this directory will add additional resources.

Table 2-2 BEA Home Directory Description

Component	Description
jrocket_150_12 directory	Contains the BEA JRockit JDK that provides the Java run-time environment (JRE) for the WLOC configuration.
logs directory	Contains a log file of installations/uninstallations in BEA Home.
modules directory	Common BEA modules that are used by the specific products (WLOC) installed in this BEA Home.
utils directory	Contains utilities that are used to support the installation of all BEA products installed in this BEA Home directory.
user_projects directory	Created when WLOC Controller and/or Agent instances are configured by the user using the WLOC Configuration Wizard.
wloc10 home directory	See “ Understanding the WLOC Product Directory Structure ” on page 4-2.
registry.xml file	<p>A file that contains a persistent record of all BEA products installed in BEA Home. This includes the version number, patch or service pack number, and install location of each product.</p> <p>Note: Do not modify this file. Doing so may cause operating problems for the currently installed BEA products, or result in installation problems when future BEA products or maintenance upgrades are installed.</p> <p>For more information about the BEA registry file, see “Using the BEA Registry APP” in <i>ISV Partners’ Guide</i> at the following URL: http://e-docs.bea.com/common/docs92/isv/detect.html</p>

Choosing a Product Installation Directory

The product installation directory contains all the software components that you choose to install on your system, including the WLOC Controller, WLOC Agent, and LVM tools. You are prompted during your initial installation to choose a product installation directory.

A description of the WLOC directory structure is provided in [“Understanding the WLOC Product Directory Structure”](#) on page 4-2.

Installing WLOC

This section describes how to install WLOC 1.0. It includes the following topics:

- “Before You Start” on page 3-2
- “Installing WLOC on Windows Platforms” on page 3-4
- “Installing WLOC on Linux/UNIX Platforms” on page 3-7
- “Installing WLOC in Silent Mode” on page 3-11
- “What’s Next” on page 3-14

Before You Start

Before you start installing the software, please review the following information:

- Make sure that you are installing your software on a hardware/software configuration that is supported by your BEA Products software. See the [BEA Products Supported Configurations](#) documentation.
- Read “[Planning Your WLOC Installation](#)” on page 2-3.

Note: You cannot reinstall any BEA product on top of a previously installed version of the same product—in the same BEA Home directory or in the same file location. You can, however, add products and product components to an existing installation. For example, you can install WebLogic Server during one installation, and WLOC during a separate installation. However, to reinstall the same version of one of the products, you must first uninstall the previous installation, as described in [Chapter 5, “Uninstalling WLOC”](#).

Specifying Directory Locations

The GUI and console-based installation program for Windows and Linux/UNIX will prompt you to specify the following directory locations. Before proceeding, you should review the documentation for these locations.

- The BEA Home directory. See “[Choosing a BEA Home Directory](#)” on page 2-4.
- The product installation directory. See “[Understanding the WLOC Product Directory Structure](#)” on page 4-2.

Specifying Optional Startup Settings

The following sections describe optional settings you can use when starting the WLOC installation program:

Generating a Verbose Installation Log

If you launch the installation from the command line or from a script, you can specify the `-log` option to generate a verbose installation log. The installation log stores messages about events that occur during the installation process, including informational, warning, error, and fatal messages.

Note: You may see some warning messages in the installation log. However, unless a fatal error occurs, the installation program completes the installation successfully. The installation

user interface indicates the success or failure of each installation attempt, and the installation log file includes an entry indicating that the installation was successful.

Syntax

To create a verbose log file during installation, include the `-log=full_path_to_log_file` option in the command line. For example, on Windows use the following command:

```
wloc10_win32.exe -log=C:\logs\wloc_install.log
```

The path must specify a file. You cannot create a folder simply by including a name for it in a pathname; your path should specify only existing folders. If your path includes a nonexistent folder when you execute the command, the installation program does not create the log file.

Determining Physical Disk Space Requirements

The WLOC installation program uses a temporary directory to extract the files necessary for installation. This directory must contain sufficient space to accommodate the compressed Java run-time environment (JRE) bundled with the installation program and an expanded copy of it. All files are deleted from the temporary directory at the end of the installation process.

By default, the installation program uses the following temporary directories:

- Windows—directory referenced by the `TEMP` system variable
- UNIX/Linux—system-dependent temporary directory

If there is insufficient temporary space on the system, the WLOC installer will prompt for an alternate directory.

To make sure that you have adequate temporary space, you may want to allocate an alternate directory for this purpose. To do so, follow the instructions provided in the following table.

Table 3-1 Setting Up Disk Space

On this platform . . .	Perform this step . . .
Windows	<p>Do one of the following:</p> <ul style="list-style-type: none">• Set the TMP system variable to a directory of your choice.• If starting the installation program from the command line, include the <code>-Djava.io.tmpdir=tmpdirpath</code> option, replacing <i>tmpdirpath</i> with the full path of the directory that you want to designate as a temporary storage area for the WLOC installation program. For example: <pre>wloc10_win32.exe -mode=console -Djava.io.tmpdir=D:\Temp</pre>
Linux/UNIX	<p>Enter the following option on the command line when you start the installation program:</p> <pre>wloc10_platform.bin -mode=console -Djava.io.tmpdir=tmpdirpath</pre> <p>Here, <i>tmpdirpath</i> is the full path of the directory that you want to designate as a temporary storage area for the WLOC installation program.</p>

Installing WLOC on Windows Platforms

The following sections describe how to start the installation program on a Windows platform:

- [“Installing in Graphical Mode” on page 3-4](#)
- [“Installing in Console Mode” on page 3-6](#)

See [“Installing WLOC in Silent Mode” on page 3-11](#) for information about using the installation program in silent mode.

Note: If you are installing the software on a Windows system that supports more than one monitor, you must disable all but one monitor before starting the installation program.

Installing in Graphical Mode

Graphical-mode installation is an interactive, GUI-based method for installing your software. To start the graphical-mode installation process on a Windows platform, follow these steps:

1. Log into the Windows system.

2. Go to the directory where you have downloaded the installation program.
3. Complete the following steps as necessary.

If you are installing from . . .	Perform the following action . . .
Web download	Go to the directory where you downloaded the installation program.
DVD	<ol style="list-style-type: none"> 1. Insert the software DVD into the DVD drive. 2. If the installation program does not start automatically, open Windows Explorer, and double-click the DVD icon. 3. Navigate to the folder for the Windows installation.

4. Double-click the installation file:

`wloc10_win32.exe`

The installation program begins to install the software.

5. Specify directory locations for WLOC, as explained in [“Specifying Directory Locations” on page 3-2](#).
6. Select the Windows shortcut entries. See [“The WLOC Windows Shortcuts” on page 4-2](#).
7. On the **Choose Install Type** window, select one of the following options, and then click **Next**.

Option	Description
Complete	Installs all components: WLOC Controller, WLOC Agent, and LVM Tools.
Custom	When selected, a window allows you to specify which components to install.

8. Click **Done** to exit the installation program.
9. Perform post-installation steps, such as verifying the WLOC product directory, as described in [Chapter 4, “Post-Installation Information”](#).

Installing in Console Mode

Console-mode installation is an interactive, text-based method for installing your software from the command line. To start the console-mode installation process on a Windows platform, follow these steps:

1. Log into the target Windows system.
2. Complete the appropriate according to the following table:

If you are installing from . . .	Perform the following action . . .
Web download	<ol style="list-style-type: none">1. Open a command prompt window.2. Go to the directory where you downloaded the installation program.
DVD	<ol style="list-style-type: none">1. Insert the software DVD into the DVD drive. Note: If autorun is enabled, the installation program may start automatically in graphical mode. You must exit the installation program to run console-mode installation.2. Open a command prompt window.3. Go to the DVD directory and navigate to the folder for the Windows installation program.

3. Launch the installation by entering the following command:

```
wloc10_win32.exe -mode=console
```

Note: You can also include options in the command line to create a verbose installation log and/or to specify an alternate temporary installation storage directory. For more information, see [“Specifying Optional Startup Settings” on page 3-2](#).

After a few moments, a BEA Installer window opens and the installation program begins to install the software. It is normal for the installation program to pause for a fairly long time, especially toward the end. The installation program is still working when this occurs.

4. When the Welcome message appears, press **Enter**.
5. When prompted for the BEA Home directory, type “1” to create a new home directory or “2” to use the existing BEA Home. Then press **Enter**.

If you enter “1”, a message prompts for the path and directory name. If necessary, the installer will create new directories. For more information, see [“Specifying Directory Locations” on page 3-2](#).

- When prompted for the install type, type “1” to install all components or “2” to choose which components to install and press **Enter**.

If you enter “2”, the available components are displayed as follows:

```
Choose components to install.
```

```
Release 1.0.0.0
```

```
+----WebLogic Operations Control [1] v
|   +----controller [1.1] v
|   +----agent [1.2] v
|   +----lvmtools [1.3] v
```

```
Enter number exactly as it appears in brackets to toggle selection OR
[Exit][Previous][Next]>
```

When you complete this, press **Enter**.

- When prompted for the product home directory, press **Enter** to accept the default or type a different directory name before pressing **Enter**.
- When prompted for the shortcut location, type “1” or “2” and press **Enter**.

If you enter “1”, all users registered on the machine will have access to the WLOC shortcuts on the Start Menu. If you enter “2” only your account will have access to these shortcuts. See [“The WLOC Windows Shortcuts” on page 4-2](#).

After performing these steps, messages display installation progress and then indicate whether installation was successful.

- Perform post-installation steps, such as verifying the WLOC product directory, as described in [Chapter 4, “Post-Installation Information”](#).

Installing WLOC on Linux/UNIX Platforms

The following sections describe how to start the WLOC installation program on Linux platforms:

- [“Installing in Graphical-Mode” on page 3-8](#)
- [“Installing in Console Mode” on page 3-9](#)

See [“Installing WLOC in Silent Mode” on page 3-11](#) for information about using the installation program in silent mode.

Installing in Graphical-Mode

Graphical-mode installation is an interactive, GUI-based method for installing your software. To run graphical-mode installation, your console must support a Java-based GUI such as X-Windows and 8-bit color depth (256 colors).

If the installation program determines that your system cannot support graphical-mode installation, it automatically starts running in console mode. For details, see [“Installing in Console Mode” on page 3-9](#).

To start the graphical-mode installation process, follow these steps:

1. Log in to the target Linux/UNIX system.
2. Complete the following steps as necessary.

If you are installing from . . .	Perform the following action . . .
Web download	Go to the directory where you downloaded the installation program.
DVD	<ol style="list-style-type: none">1. Insert the software DVD into the DVD drive, and go to the DVD directory.2. Navigate to the directory that contains the installation program for your platform.

3. Launch the installation by entering one of the following commands:

Linux:

```
chmod a+x wloc10_linux32.bin
./wloc10_linux32.bin
```

UNIX:

```
chmod a+x wloc10_solaris32.bin
./wloc10_solaris32.bin
```

Note: You can also include options in the command line to create a verbose installation log and/or to specify an alternate temporary installation storage directory. For more information, see [“Specifying Optional Startup Settings” on page 3-2](#).

The installation program begins to install the software.

- Specify directory locations for the software, as explained in [“Specifying Directory Locations” on page 3-2](#).
- On the **Choose Install Type** window, select one of the following options, and then click **Next**.

Option	Description
Complete	Installs all components: WLOC Controller, WLOC Agent, and LVM Tools.
Custom	When selected, a window allows you to specify which components to install.

- Click **Done** to exit the installation program.
- Perform post-installation steps, such as verifying the WLOC product directory, as described in [Chapter 4, “Post-Installation Information”](#).

Installing in Console Mode

Console-mode installation is an interactive, text-based method for installing your software from the command line. To start the console-mode installation process, follow these steps:

- Log in to the target Linux/UNIX system.
- Complete the following steps as necessary.

If you are installing from . . .	Perform the following action . . .
Web download	Go to the directory where you downloaded the installation program.
DVD	<ol style="list-style-type: none"> Insert the software DVD into the DVD drive and go to the DVD directory. Navigate to the directory that contains the installation program for your platform.

- Launch the installation by entering one of the following commands:

Linux:

```
chmod a+x wloc10_linux32.bin
./wloc10_linux32.bin
```

UNIX:

```
chmod a+x wloc10_solaris32.bin
./wloc10_solaris32.bin
```

Note: You can also include options in the command line to create a verbose installation log and/or to specify an alternate temporary installation storage directory. For more information, see [“Specifying Optional Startup Settings” on page 3-2](#).

It is normal for the installation program to pause for a fairly long time, especially toward the end. The installation program is still working when this occurs.

4. When the Welcome message appears, press **Enter**.
5. When prompted for the BEA Home directory, type “1” to create a new home directory or “2” to use the existing BEA Home. Then press **Enter**.

If you enter “1”, a message prompts for the path and directory name. If necessary, the installer will create new directories. For more information, see [“Specifying Directory Locations” on page 3-2](#).

6. When prompted for the install type, type “1” to install all components or “2” to choose which components to install and press **Enter**.

If you enter “2”, the available components are displayed as follows:

```
Choose Components to install.
```

```
Release 1.0.0.0
+----WebLogic Operations Control [1] v
|   +----controller [1.1] v
|   +----agent [1.2] v
|   +----lvmtools [1.3] v
```

```
Enter number exactly as it appears in brackets to toggle selection OR
[Exit][Previous][Next]>
```

Select the WLOC component numbers as directed, and then press **Enter**.

7. When prompted for the product home directory, press **Enter** to accept the default or type a different directory name before pressing **Enter**.

After performing these steps, messages display installation progress and then indicate whether installation was successful.

8. Perform post-installation steps, such as verifying the WLOC product directory, as described in [Chapter 4, “Post-Installation Information”](#).

Installing WLOC in Silent Mode

Silent-mode installations are intended primarily for administrators who are performing installations on multiple machines. They install WLOC components using settings specified in a XML file rather than require the installing user to enter these values in GUI or Console mode.

For instructions on setting up the XML file, see [“Create an XML File for Silent-Mode Installation” on page 3-11](#).

Note the following information about silent-mode installations:

- A silent-mode installation requires the same amount of temporary disk space and uses the same temporary storage directories as a standard installation. It does not display alerts about insufficient temporary space.
- Silent mode installs take the same amount of time as standard installs. Aside from the brief appearance of a start message, no messages are displayed to indicate installation progress or completion.

Create an XML File for Silent-Mode Installation

When you install your BEA software in silent mode, the installation program uses an XML file (typically named `silent.xml`) to determine which installation options should be implemented. You can name the XML file however you wish, as long as it is correctly referenced in the silent-mode start command, as shown in [“Sample XML File for Silent-Mode Installation” on page 3-13](#).

Therefore, before you can run the installation program in silent mode, you must first create an XML file in which you specify the installation options that you want to have invoked. The required configuration settings are specified using name/value pairs, for example:

```
<data-value name="BEAHOME" value="/bea/foo"/>
```

[Table 3-2](#) describes valid entries in `silent.xml`.

Table 3-2 WLOC Parameters in Silent.xml

Parameter	Description and Use
BEAHOME (Required)	<p>The full path for the BEA Home directory:</p> <pre data-bbox="417 465 1029 491"><data-value name="BEAHOME" value="c:/bea" /></pre>
WLOCHOME	<p>The full path for the WLOC Home directory. If not specified, this defaults to wloc10 under BEA Home.</p> <p>Example:</p> <pre data-bbox="417 626 1085 652"><data-value name="WLOCHOME" value="c:/wloc10" /></pre>
INSTALL_SHORTCUT_IN_ALL_USERS_FOLDER (Windows only)	<p>Use true or false (or yes and no) to specify the accessibility of WLOC shortcuts in the Windows Start Menu. If not specified, the default value is true.</p> <p>true — all users have access to the shortcuts on the Start Menu.</p> <p>false — only your account will have access to these shortcuts.</p> <p>You must have administrative access to specify true.</p> <p>Example:</p> <pre data-bbox="417 907 1013 986"><data-value name="INSTALL_SHORTCUT_IN_ALL_USERS_FOLDER" value="true" /></pre>
COMPONENT_PATHS	<p>Specifies the WLOC components to install. If not specified, all components are installed. If specified, only the specified components are installed. Possible values:</p> <pre data-bbox="417 1116 948 1225">WebLogic Operations Control WebLogic Operations Control/controller WebLogic Operations Control/agent WebLogic Operations Control/lvmttools</pre> <p>Example with all components:</p> <pre data-bbox="417 1281 1112 1333"><data-value name="COMPONENT_PATHS" value="WebLogic Operations Control"/></pre> <p>Example with only Controller and Agent components:</p> <pre data-bbox="417 1388 1112 1466"><data-value name="COMPONENT_PATHS" value="WebLogic Operations Control/controller WebLogic Operations Control/agent"/></pre>

Sample XML File for Silent-Mode Installation

Figure 3-1 shows an example silent-mode XML file named *silent.xml*, but it you can name the file however you wish.

Figure 3-1 Sample XML File for Silent-Mode Installation

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- Silent installer option: -mode=silent -silent_xml=/home/me/silent.xml
-->
<domain-template-descriptor>
<input-fields>
<data-value name="BEAHOME" value="c:\bea" />
<data-value name="WLOCHOME" value="c:\wloc10" />
<data-value name="INSTALL_SHORTCUT_IN_ALL_USERS_FOLDER" value="true" />
<data-value name="COMPONENT_PATHS" value="WebLogic Operations Control" />
</input-fields>
</domain-template-descriptor>
```

Create an XML File for Silent Mode Installation

To create a silent-mode XML file, follow these steps:

1. Open a text editor and copy the text in [Figure 3-1](#) into a new file.
2. Modify the file as needed. For example, if you want to install into the BEA Home directory `e:\beahome`, change the `BEAHOME` value as follows:

```
<data-value name="BEAHOME" value="e:\beahome" />
```

3. Save the file.

Installing WLOC in Silent Mode

To run the installation program in silent mode:

1. Open a command-prompt window.
2. Complete the following steps as necessary.

If you are installing from . . .	Perform the following action . . .
Web download	<ol style="list-style-type: none"> 1. Open a command prompt window. 2. Go to the directory where you downloaded the installation program.
DVD	<ol style="list-style-type: none"> 1. Insert the software DVD into the DVD drive. 2. Open a command prompt window. 3. Go to the DVD directory and navigate to the folder for the Windows installation program.

3. Launch the installation by entering one of the following commands:

Platform	Command
Windows	<code>wloc10_win32.exe -mode=silent -silent_xml=<path>/silent.xml</code>
Linux	<code>wloc10_linux32.bin -mode=silent -silent_xml=<path>/silent.xml</code>
UNIX	<code>wloc10_solaris32.bin -mode=silent -silent_xml=<path>/silent.xml</code>

where *<path>* is the fully-qualified pathname to the *silent.xml* template file.

Example:

```
wloc10_win32.exe -mode=silent -silent_xml=c:/bea/silent.xml
```

What's Next

After installation, you may proceed with configuring and running WLOC components as described in the following documents:

- For WLOC Controller and Agents, see the [Configuration Guide](#).
- For LVM Tools, see the [LiquidVM User Guide](#).

Post-Installation Information

This section provides the following topics:

- [“Understanding the WLOC Product Directory Structure” on page 4-2](#)
- [“The WLOC Windows Shortcuts” on page 4-2](#)
- [“Upgrade Patches” on page 4-3](#)
- [“Determining Which Software Versions You Are Using” on page 4-3](#)

Understanding the WLOC Product Directory Structure

During the product installation, you are asked to select or create a BEA Home directory and a product installation directory. For information about the BEA Home directory, see [“Choosing a BEA Home Directory” on page 2-4](#). For a complete installation, the installation program creates a dedicated directory structure for the BEA Products software. It may or may not reside in the BEA Home directory.

Warning: The use of spaces in the BEA Home directory (*BEA_HOME*) and the WLOC product directory name (*WLOC_HOME*) are not supported.

[Table 4-1](#) describes the contents of the directories created when WLOC is installed in an existing BEA Home directory.

Table 4-1 WLOC Product Directory Structure

Directory	Description
common	Scripts used for setting environment attributes for the utilities and template JAR files used by the Configuration Wizard offline when creating the WLOC Controller and Agent components.
console	WLOC administration console.
lvm-1.2	LVM Tools 1.2
modules	WLOC-specific modules for executing the WLOC Controller and Agent components.
schemas	XSD schemas for WLOC components.
uninstall	Uninstall script for removing WLOC components.

Note: The `WLOC-1.0-Licenses.doc` file located in the WLOC HOME directory contains information about third-party software installed along with WLOC. The file is named `WLOC-1.0-Licenses.txt` on non-Windows platforms.

The WLOC Windows Shortcuts

When you install your WLOC software as an Administrator on a Windows system, the installation program offers to create shortcut entries on the Start Menu. You can select from the following options:

- **All Users Start menu folder**

Selecting this option provides all users registered on the machine with access to the installed software. However, only users with Administrator privileges can create shortcuts in the All Users folder. Therefore, if a user without Administrator privileges uses the Configuration Wizard to create domains, Start menu shortcuts to the domains are not created. In this case, users can manually create shortcuts in their local Start menu folders, if desired. Press `ALT+Y` on the keyboard to select the All Users Start Menu.

- **Local user's Start menu folder**

Selecting this option ensures that other users registered on this machine will not have access to the Start menu entries for this installation. Press `ALT+N` on the keyboard to select the Local User's start menu.

Notes:

- The installer offers to create shortcuts only if you are performing an initial installation.
- The Windows Start Menu icons for WLOC are not installed under BEA Products even when WLOC is installed into an existing BEA Home.

The folder that the WLOC installer creates (**Start > All Programs > WebLogic Operations Control 1.0**) contains the following shortcut files:

- *WLOC Configuration Wizard*—Creates WLOC Controller and Agent components. See the [Configuration Guide](#).
- *WLOC ISO Builder*—Creates a new ISO-9660 image file from a template ISO-9660 file (typically a WLS-VE or LVM ISO file). See the [LiquidVM User Guide](#).
- *Uninstall WebLogic Operations Control*—Launches the uninstallation program. For more information, see [Chapter 5, “Uninstalling WLOC.”](#)

Upgrade Patches

For information about software updates, see [Installing Maintenance Updates and Service Packs](#).

Determining Which Software Versions You Are Using

You can determine the versions of the WLOC software, Controller, and Agents in your environment using the `version` command, as follows:

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

`WLOC_HOME\common\bin` (Windows)

`WLOC_HOME/common/bin` (UNIX)

where `WLOC_HOME` specifies the location of your WLOC installation, such as `bea\wloc10`.

2. Enter the `version` command at the prompt, specifying one of the following arguments, as required.

Table 4-2 Command-line Arguments for the `version` Command

This argument . . .	Displays . . .
<code>-fullversion</code>	Full version of the WLOC software. This is the default.
<code>-version</code>	Version of the WLOC software only.
<code>-agent</code>	Full version of the WLOC Agent.
<code>-controller</code>	Full version of the WLOC Controller.
<code>-help</code>	This help.

For example:

```
C:\bea\wloc10\common\bin> version -controller  
BEA WebLogic Operations Control Controller 1.0 - Tue Mar 25 02:45:33 EDT  
2008 128886
```

Uninstalling WLOC

This section describes how to remove WLOC 1.0.

- [Uninstalling WLOC in Graphical Mode](#)
- [Uninstalling WLOC in Console Mode](#)

Uninstalling WLOC in Graphical Mode

Installation of WLOC creates uninstall scripts in the `BEA_HOME/WLOC_HOME/bin` directory. These can be used to remove WLOC as described below.

Caution: Do not use the uninstall scripts in `BEA_HOME/Utils/uninstall` since this will remove all BEA products in that BEA Home directory.

1. Launch the uninstallation program using one of the following:

Platform	Description
Windows	From the Windows Start menu, select Programs > WebLogic Operations Control 1.0 > Uninstall WebLogic Operations Control . or Run <code>BEA_HOME/WLOC_HOME/uninstall/uninstall.cmd</code>
Linux or UNIX	Run <code>BEA_HOME/WLOC_HOME/uninstall/uninstall.sh</code>

2. On the **Welcome** window, click **Next**.
3. On the **Choose Components** window, select the components to remove and click **Next**.
4. On the final window, note any details about resources that were not erased from the system. These must be manually removed from disk.

Uninstalling WLOC in Console Mode

Use the following procedure to uninstall the complete product installation, or individual components, using the command-line interface:

1. Start the uninstallation program as described in [Table 5-1](#).

Table 5-1 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: <code>BEA_HOME\WLOC_HOME\uninstall</code> Here <code>WLOC_HOME</code> represents the directory in which you installed your WLOC software, typically <code>C:\bea\wloc<version></code>. 2. Enter the following command at the prompt: <code>uninstall -mode=console</code> The Welcome text is displayed.
Linux/UNIX	<ol style="list-style-type: none"> 1. Go to the following directory: <code>BEA_HOME/WLOC_HOME/uninstall</code> Here <code>WLOC_HOME</code> represents the directory in which you installed your WLOC software. 2. At the prompt, enter the following command: <code>sh ./uninstall.sh -mode=console</code> The Welcome text is displayed.

2. Press Enter or type `next` to proceed to the next panel of the uninstallation program.

Note: Instead of typing complete words when you want to enter `[Exit]`, `[Previous]`, and `[Next]`, you can use the following one-letter shortcuts: `x`, `p`, and `n`, respectively.

The Choose Components to uninstall panel is displayed.

3. Select the components you want to uninstall. The available components are displayed as follows:

Check the WebLogic Operations Control 1.0.0.0 components you want to uninstall.

```
Release 1.0.0.0
+----WebLogic Operations Control [1] v
|   +----controller [1.1] v
|   +----agent [1.2] v
|   +----lvmtools [1.3] v
```

Enter number exactly as it appears in brackets to toggle selection OR
[Exit][Previous][Next]>

By default, all installed components are selected, indicating that they will be removed.

4. Press **Enter** or type `next` to proceed with the uninstallation process.
5. When the uninstallation process is complete, press `Enter` or type `exit` to complete the uninstallation and exit the uninstallation program.

