Using the Oracle® Java CAPS 6.3 Installation CLI

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Using the Java CAPS 6.3 Installation CLI

This topic provides information and instructions for installing the Java Composite Application Platform Suite (Java CAPS) using a command-line interface (CLI). This interface allows you to interact with software or an operating system using a terminal, remote shell, or command prompt.

Prior to installing Java CAPS, read *Planning for Java CAPS Installation*. It provides pertinent information such as supported platforms, operating system limitations, and parameter definitions.

What You Need to Know

This topic contains conceptual information about the installation.

What You Need to Do

These topics contain the procedures for installing a Java Development Kit (JDK) and Java CAPS.

Overview of CLI Installations

Before beginning the installation, read *Planning for Java CAPS Installation*, which contains information that is necessary for you to complete a successful installation of Java CAPS such as supported platforms, operating system limitations, and parameter definitions. You can use a command–line installation script on any of the supported operating systems by first setting the configuration properties file and then invoking the installation script.

The command–line installation installs any or all of the Suite components. For a complete list of the components installed by default, see "Overview of the Installation Process" in *Planning for Oracle Java CAPS 6.3 Installation* . The installation process also installs the uninstaller software.

Java CAPS does not support:

- Spaces in the installation directory path
- Command-line installations on Macintosh systems

You can specify three types of installations with the command-line syntax:

`JavaCAPS-`*`OS-bin`* `[-i {silent | gui | console} ] [-help] [-f` *`filename`*`]`

The –i options are:

- `silent` – A script installation with set options described in this guide. This mode requires a properties file.
- `gui` – An interactive installation with graphical interface. If you run the command with the `-i gui` option, the installation will be similar to a standard GUI installation. See *Using the Oracle Java CAPS 6.3 Installation GUI* for information on using the GUI installer.
- `console` – An interactive text console installation

Note – If you run the command-line installation executable file without setting any options, the Java CAPS GUI Installer will launch.

You do not have to install all components at the same time. You can install additional Java CAPS products and components at any time after completing the initial installation by setting the configuration properties file and then invoking the command–line installation script to install specific items or by running the Java CAPS Uploader followed by the NetBeans Update Center.

You must have the JDK software installed and `JAVA_HOME` set prior to installing Java CAPS; otherwise, the Installer will halt the installation. See "Installing the JDK Software and Setting JAVA_HOME" on page 7.

Installing the JDK Software and Setting JAVA_HOME

If you do not already have the JDK software installed or if `JAVA_HOME` is not set, the Java CAPS installation will not be successful. The following tasks provide the information you need to install JDK software and set `JAVA_HOME` on UNIX or Windows systems.

For a list of supported JDK versions on each supported operating system, see "Java CAPS 6.3 Supported JDK Versions" in *Planning for Oracle Java CAPS 6.3 Installation* . For instructions on installing JDK on a 64–bit Solaris platform, see `http://www.oracle.com/technetwork/java/javase/install-solaris-64-138849.html`.

▼ To Install the JDK Software and Set JAVA_HOME on a UNIX System

1 **Install the JDK software.**

   a. **Go to `http://www.oracle.com/technetwork/java/javase/downloads/index.html`.**

   b. **Select thse appropriate JDK software version and click Download.**

      The JDK software is installed on your computer, for example, `/usr/jdk/jdk1.6.0_19`. You can change this location.

2 **Set `JAVA_HOME`.**

   - **Korn and bash shells:**

     ```
     export JAVA_HOME=jdk-install-dir
     export PATH=$JAVA_HOME/bin:$PATH
     ```

   - **Bourne shell:**

     ```
     JAVA_HOME=jdk-install-dir
     export JAVA_HOME
     PATH=$JAVA_HOME/bin:$PATH
     export PATH
     ```

   - **C shell:**

     ```
     setenv JAVA_HOME jdk-install-dir
     setenv PATH $JAVA_HOME/bin:$PATH
     export PATH=$JAVA_HOME/bin:$PATH
     ```

3 **Change the permissions to enable you to run the Java CAPS Installer. For example,**

```
chmod 755 JavaCAPS-Solaris.bin
```

▼ To Install the JDK Software and Set JAVA_HOME on a Windows System

1 **Install the JDK software.**

   a. **Go to `http://www.oracle.com/technetwork/java/javase/downloads/index.html`.**

   b. **Select the appropriate JDK software and click Download.**

      The JDK software is installed on your computer, for example, at `C:\Program Files\Java\jdk1.6.0_19`. You can move the JDK software to another location if desired.

2 **To set `JAVA_HOME`:**

   a. **Right click My Computer and select Properties.**

   b. **On the Advanced tab, select Environment Variables, and then edit `JAVA_HOME` to point to where the JDK software is located, for example, `C:\Program Files\Java\jdk1.6.0_19`.**

Creating the Configuration Properties File for Silent Installations

The silent installation requires a properties file to determine the configuration of the Java CAPS environment. This file is not required for commend-line installation using the console or GUI mode. The properties file includes properties such as the JDK home, installation directory, Repository and Enterprise Manager information, and so on. Use the sample file below to set up your configuration properties file, and copy the customized file to the directory where you are going to install Java CAPS.

Note – When installing using the silent option, the scripted file, `file.properties`, is automatically generated by the Java CAPS Installer if the product has already been installed.

You can set the file to install only runtime components or only design-time components.

▼ To Create the Properties File for a Command-Line Installation

1 Copy the sample properties file following this procedure into a text file on the computer where you are installing Java CAPS.

Tip – If you have an existing Java CAPS installation, you can find additional properties files at *JavaCAPS_Home*`/install/docs`. The file is also included in the `/documentation` directory under the installer on the installation media.

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2 Configure the following properties:

Note – The administrator and master passwords in this file must adhere to Oracle guidelines. They must be at least eight characters, contain one number, and at least one lowercase and one uppercase character.

Property or Section	Description
`CHOSEN_INSTALL_FEATURE_LIST`	The list of primary components to install. Include any of the following in the list, separated by commas with no spaces: ■ **`Repository`** – The Java CAPS Repository and Repository-based components ■ **`Appserver`** – The GlassFish Enterprise Server and associated runtime components ■ **`NetBeans`** – The NetBeans IDE and associated design-time components ■ **`STCMS`** – The Oracle Java CAPS Java JMS IQ Manager ■ **`UDDI`** – The UDDI server ■ **`EM`** – The Java CAPS Enterprise Manager. For example, `CHOSEN_INSTALL_FEATURE_LIST=Repository,NetBeans,Appserver,EM`.
`USER_JDK__HOME`	The path to your JDK software. Note that once you install Java CAPS, you need to copy `webservices-api.jar` from *JavaCAPS_Home*`\appserver\lib\endorsed` to *JDK_Home*`\lib\endorsed`.
`USER_INSTALL_DIR`	The path where you want to install Java CAPS. Do not use a path with spaces in the name.
`REPOSITORY_NAME`	The name to give the Repository. You can change the default repository of `repository1` but do not use "repository" because assigning a name that is the same as the component name in lowercase can cause connection problems.
`REPOSITORY_ADMIN_PORT`	The port number for the repository. There must be 10 consecutive port numbers that are not in use, beginning with this number.

Property or Section	Description
`NETBEANS_INSTALL_NBMS`	An indicator of whether to install NetBeans NBMs. Enter **`1`** to install the Repository-based components in NetBeans; otherwise specify **`0`**.
`Appserver Get User Input Properties`	In this section, enter the following information for the GlassFish server, or accept the default values. ■ **APPSERVER_ADMIN_USER**: The name you use when you log in as administrator. ■ **APPSERVER_ADMIN_PASSWORD**: The password you use when you log in as administrator. ■ **APPSERVER_MASTER_PASSWORD**: The key used to protect data in GlassFish, that is, the password of the secure keystore. ■ **APPSERVER_DOMAIN_NAME**: The name to give to the domain that is created on the GlassFish server. ■ **APPSERVER_ADMIN_PORT**: The port on which GlassFish listens for administrative HTTP requests. ■ **APPSERVER_HTTP_PORT**: The port on which GlassFish listens for HTTP requests for web applications that you deploy. ■ **APPSERVER_HTTPS_PORT**: The port on which GlassFish listens for HTTPS requests for web applications that you deploy. ■ **APPSERVER_JMS_PORT**: The port on which GlassFish listens for JMS IQ Manager requests. ■ **APPSERVER_JMX_ADMIN_PORT**: The port on which GlassFish listens for JMX administration requests. ■ **APPSERVER_IIOP_PORT**: The port on which GlassFish listens for CORBA requests. ■ **APPSERVER_IIOP_SSL_PORT**: The port on which GlassFish listens for secure CORBA requests. ■ **APPSERVER_IIOP_MUTUALAUTH_PORT**: The port on which GlassFish listens for mutual authentication requests.
`STCMS Get User Input`	In this section, enter information for the Oracle Java CAPS JMS IQ Manager. The possible values for the `STCMS_OS_TYPE` property are listed below. If you want to migrate the JMS IQ Manager from a previous version of Java CAPS, type the root directory of the previous installation in the `STCMS_MIGRATION_FROM_DIR` property.

Property or Section	Description
`STCMS_OS_TYPE`	The name of the operating system on which you are installing the Oracle Java CAPS Java JMS IQ Manager. Specify any of the following values: ■ **`solx86`** – Solaris 10 x86 (32/64-bit), Intel ■ **`solamd64`** – Solaris 10 x86 (64-bit), AMD ■ **`solaris64`** – Solaris 10 (64-bit), SPARC ■ **`aix32`** – IBM AIX 5L 5.3 (32-bit) ■ **`aix64`** – IBM AIX 5L 5.3 (64-bit) ■ **`linux7`** – Red Hat Enterprise Linux Advanced Server 3, 4, and 5 (32/64-bit), Intel ■ **`linuxamd64`** – Red Hat Enterprise Linux Advanced Server 3, 4, and 5 (64-bit), AMD ■ **`redhat5_64`** – Red Hat Enterprise Linux 5 Advanced Server (Intel and AMD x86-64) ■ **`suse8`** – SUSE Linux Enterprise Server 9 and 10 (32/64-bit), Intel ■ **`win32`** – Windows (32-bit) ■ **`itanium`** – HP-UX 11i ■ **`donotinstall`** – Do not install the STCMS component
`EM Get USer Input`	In this section, enter the name of the computer on which you are installing Java CAPS and enter the port number to access the Enterprise Manager. **Note –** The default port number is 15000. This port assignment requires five consecutive available ports and the system selects four additional port numbers that sequentially follow the initial port number (15001–15004 for the default). Port checking performed at installation only detects ports in use at that time, so the installation will not detect ports used by other applications that are not currently running. Use caution if you change the default port value.

Property or Section	Description
ORACLE_AQ_SUPPORT	In this section, specify whether to install support for Oracle Advanced Queueing, and then configure the Oracle AQ information. If you choose not to install support, comment out all but the first property described in the following list. ■ **ORACLE_AQ_SUPPORT**: An indicator of whether to install support for Oracle Advanced Queue monitoring and administration. Enter **1** to install AQ support; otherwise enter **0**. ■ **ORACLE_AQ_NAME**: A descriptive name for the Advanced Queue instance. This name will appear on the Enterprise Manager with OracleAQ prepended to it. ■ **ORACLE_AQ_HOST**: The name of the server on which the Advanced Queue database is stored. ■ **ORACLE_AQ_PORT**: The port number for the Advanced Queue database. ■ **ORACLE_AQ_USERNAME**: The user name to use to log in to the Advanced Queue database. ■ **ORACLE_AQ_PASSWORD**: The password to use to log in to the Advanced Queue database. ■ **ORACLE_AQ_SID**: The Oracle SID name of the Advanced Queue database.
	In this section, specify whether to install support for WebLogic JMS, and then configure the JMS information. If you choose not to install support, comment out all but the first property described in the following list. ■ **WLS_JMS_SUPPORT**: An indicator of whether to install support for WebLogic JMS monitoring and administration. Enter **1** to install support; otherwise enter **0**. ■ **WLS_JMS_NAME**: A descriptive name for the JMS server. This name will appear on the Enterprise manager with WebLogicMQ prepended to it. ■ **WLS_JMS_HOST**: The name of the computer on which the WebLogic JMS server is located. ■ **WLS_JMS_PORT**: The port number for the JMS server. The default is 7001. ■ **WLS_JMS_USERNAME**: The user name to use to log in to the JMS server. ■ **WLS_JMS_PASSWORD**: The password to use to log in to the JMS server. ■ **WLS_JMS_MODULE_NAME**: The name of the JMS Module containing the system resources and configuration. ■ **WLS_JMS_SERVER_NAME**: The name of the WebLogic JMS Server. The server name is optional, and if not specified defaults to the first JMS server. ■ **WLS_JMS_DEPL_NAMES**: The name of the JMS sub-deployment within the given module. The sub-deployment name is optional, and if not specified defaults to the first sub-deployment in the module.

3. **To install only runtime components:**
   - Specify the runtime components that you want to install in the `CHOSEN_INSTALL_FEATURE_LIST` property. The runtime components are Appserver, Repository, and STCMS.
   - In the lower part of the file, comment out the configuration for the components you do not want to install.
4. **To install only design-time components:**
   - Specify **`NetBeans`** in the `CHOSEN_INSTALL_FEATURE_LIST` property.
   - In the lower part of the file, comment out the configuration for the components you do not want to install.
5. **When you are done configuring the properties, save and close the file.**
6. **Continue to "Installing Java CAPS Silently Using CLI" on page 14.**

Example 1 Sample Configuration Properties File for Silent Installations

```
CHOSEN_INSTALL_FEATURE_LIST=Repository,NetBeans,Appserver,STCMS,UDDI,EM

#Choose JDK
#----------
USER_JDK_HOME=install-dir

#Choose Install Folder
#---------------------
USER_INSTALL_DIR=C:\\JavaCAPS6

#Repository Get User Input
#------------------------
REPOSITORY_NAME=repository1
REPOSITORY_ADMIN_PORT=12000

#NetBeans Get User Input
#----------------------
NETBEANS_INSTALL_NBMS=1

#Appserver Get User Input
#-----------------------
APPSERVER_ADMIN_USER=admin
APPSERVER_ADMIN_PASSWORD=Welcome1
APPSERVER_MASTER_PASSWORD=Welcome1
APPSERVER_DOMAIN_NAME=domain1
# Basic Ports
APPSERVER_ADMIN_PORT=4848
APPSERVER_HTTP_PORT=8080
APPSERVER_HTTPS_PORT=8181
# Advanced Ports
APPSERVER_JMS_PORT=7676
APPSERVER_JMX_ADMIN_PORT=8686
```

```
APPSERVER_IIOP_PORT=3100
APPSERVER_IIOP_SSL_PORT=3820
APPSERVER_IIOP_MUTUALAUTH_PORT=3920

#STCMS Get User Input
#--------------------
STCMS_OS_TYPE=OS
STCMS_PORT=18007
STCMS_SSL_PORT=18008
STCMS_MIGRATION_FROM_DIR=

#EM Get User Input
#-----------------
EMANAGER_HOST_NAME=localhost
EMANAGER_ADMIN_PORT=15000

#ORACLE_AQ SUPPORT
#---------------------

ORACLE_AQ_SUPPORT=1
ORACLE_AQ_NAME=AQ_EMAIL
ORACLE_AQ_HOST=localhost
ORACLE_AQ_PORT=1521
ORACLE_AQ_USERNAME=aqadm
ORACLE_AQ_PASSWORD=aqadm;
ORACLE_AQ_SID=ORCL

#Weblogic JMS Information
#------------------------

WLS_JMS_SUPPORT=1
WLS_JMS_NAME=jmsJavaCAPS
WLS_JMS_HOST=localhost
WLS_JMS_PORT=7001
WLS_JMS_USERNAME=weblogic
WLS_JMS_PASSWORD=weblogic
WLS_JMS_MODULE_NAME=JMSModule
WLS_JMS_SERVER_NAME=WLJMSServer
WLS_JMS_SUB_DEPL_NAME=JMSModule_Server1
```

Installing Java CAPS Silently Using CLI

You can use the Java CAPS command-line installation script to perform a complete installation silently. A silent installation means that you will not interact with the Installer, nor will you see the process unless you open the directory to which you are installing.

Java CAPS Release 6.3 does not support the following:

- Spaces in the installation directory path
- Command line installations on Macintosh systems

▼ To Install Java CAPS Silently Using CLI

Before You Begin

- Plan your installation by reviewing *Planning for Java CAPS Installation*, which contains information necessary for your to complete a successful installation of Java CAPS such as supported platforms, operating system limitations, and parameter definitions.
- Exit from all programs prior to beginning the installation.
- Install the JDK software and set `JAVA_HOME`, as described in "Installing the JDK Software and Setting JAVA_HOME" on page 7.
- Create and configure an installation properties file, as described in "Creating the Configuration Properties File for Silent Installations" on page 8.
- If you plan to install Oracle Advanced Queueing support, make sure that the AQ database is running and the Java CAPS user has been created (for more information, see "To Create the Java CAPS Advanced Queue User" on page 22.

1. **Download the installation executable file from the delivery media to the installation directory.**

2. **If you have not done so already, copy the configuration properties file to the directory where you are going to install Java CAPS.**

Note – The passwords defined in the this file must meet Oracle requirements of having eight or more characters, at least one number, and at least one lowercase and one uppercase character.

---

3. **Extract the installation executable file to a temporary directory.**

   - UNIX and Linux: `JavaCAPS-`*OS*`.bin`, where *OS* is the name of the operating system
   - Windows: `JavaCAPS-Windows.exe`

Caution – On UNIX systems, the Java CAPS Installer uses `/tmp` as its workspace by default even when `/var/tmp` is the system temporary directory, as is the case on Solaris SPARC systems. If you do not have access to `/tmp`, set the environment variable to `IATEMPDIR=/var/tmp`. The Java CAPS Installer will then use `/var/tmp` as its temporary directory.

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4. **From a command line, navigate to the location of the executable file and run one of the following commands, specifying the relative path and filename for the properties file in place of `file.properties`:**

   UNIX and Linux: `sh ./JavaCAPS-`*OS*`.bin -i silent -f file.properties`, where *OS* is the name of the operating system

   Windows: `JavaCAPS-Windows.exe -i silent -f file.properties`

   Java CAPS is installed in the directory you specified. After several minutes, a console appears and provides general information about the installation process. It closes when the installation is complete.

Installing Java CAPS Using the CLI Console

You can use the Java CAPS command-line installation script to perform a complete installation using a text console interface. You do not need to create a properties file for this type of installation.

This procedure installs the GlassFish Enterprise Server, NetBeans IDE, and Java CAPS core products such as the Oracle Java CAPS Enterprise Service Bus, Java CAPS Repository, Java CAPS Enterprise Manager, Oracle Java CAPS JMS IQ Manager, and the UDDI Server using the Java CAPS Console command line installation.

Java CAPS does not support:

- Spaces in the installation directory path
- Command line installations on Macintosh systems

This installation includes installing support for WebLogic JMS and Oracle Advanced Queueing. If you elect not to install this support during the Java CAPS installation, you can install it from a command line at a later time.

Note – You can cancel the installation at any time during the process.

▼ To Install Java CAPS Components Using the Command Line Console

Before You Begin

- Plan your installation by reviewing *Planning for Java CAPS Installation*, which contains information necessary for your to complete a successful installation of Java CAPS such as supported platforms, operating system limitations, and parameter definitions.
- Exit from all programs prior to beginning the installation.
- Install the JDK software and set `JAVA_HOME`, as described in "Installing the JDK Software and Setting JAVA_HOME" on page 7.

1 Download the installation executable file from the delivery media to the installation directory.

You can download the file from the following media:

- The Oracle download URL supplied by Oracle Support
- The DVDs that come with the Java Composite Application Platform Suite Media Kit

2 Extract the installation executable file to a temporary directory.

- UNIX and Linux: `JavaCAPS-`*OS*`.bin`, where *OS* is the name of the operating system.
- Windows: `JavaCAPS-Windows.exe`

Caution – On UNIX systems, the Java CAPS Installer uses `/tmp` as its workspace by default even when `/var/tmp` is the system temporary directory, as is the case on Solaris SPARC systems. If you do not have access to `/tmp`, set the environment variable `IATEMPDIR=/var/tmp`. The Java CAPS Installer will then use `/var/tmp` as its temporary directory.

3. **From a command line, navigate to the location of the executable file and run one of the following commands:**

   UNIX and Linux: `JavaCAPS-`*OS*`.bin -i console`, where *OS* is the name of the operating system.

   Windows: `JavaCAPS-Windows.exe -i console`

   The text-based Console appears. This might take several minutes.

4. **Read the introduction to the installation, and press Enter to begin the installation.**

5. **When asked to choose an installation directory, type an absolute path. Do not use any spaces in the pathname. If Java CAPS is already install in the given path, do one of the following:**

   - **To go back and enter a new path, type `1` and enter a new pathname.**
   - **To cancel and exit the installation, type `2`.**

6. **Do one of the following:**

   - **To confirm your selection, type `Y`.**
   - **To use different directory, type `N` and enter a new pathname.**

7. **Choose an installation set.**

   - **To install all of the Java CAPS components, type `1`.**
   - **To select the components you want to install, type `2`, and then enter a comma-separated list of numbers representing the components you want to install.**

     The numbers corresponding to each components are listed on the Console.

8. **Press Enter when you are done.**

9. **When asked to choose a Java Developer Kit (JDK), provide an absolute path to the JDK or press Enter to accept the default value that is listed at the prompt.**

10 Set up the Repository.

a. Press Enter to accept the default name for the Repository (repository1), or provide a custom value and press Enter.

Do not enter "repository" as the name because this will cause connectivity problems.

b. Press Enter to accept the default port number for the Repository (12000), or provide a custom value and press Enter.

11 For NetBeans IDE Input, press Enter to accept the default value (to install Repository NBMs), or type `0` and press Enter (Repository NBMs will not be installed).

If you do not install the Repository NBMS, you will need to manually install them later if you want to use them.

12 Specify the settings for the GlassFish server.

Tip – Record your selections in this section for later use. To start the GlassFish server you need the administrator user name, password, and master password during the log in process. Note that previous versions of Java CAPS set default Admin and Master passwords. Beginning with Java CAPS 6.3, you must set these passwords manually following Oracle standards. The passwords must be eight characters, contain one number, and contain at least one lowercase and one uppercase character.

Setting	Description	Default
Admin User	The name you use when you log in as administrator.	`admin`
Admin Password	The password you use when you log in as administrator. This password must be a minimum of eight characters.	`none`
Master Password	The key used to protect data in GlassFish, that is, the password of the secure keystore. This key must be at least 8 characters long.	`none`
Admin Port	The port on which GlassFish listens for administrative HTTP requests.	`4848`
HTTP Port	The port on which GlassFish listens for HTTP requests for web applications that you deploy.	`8080`
HTTPS Port	The port on which GlassFish listens for HTTPS requests for web applications that you deploy.	`8181`
JMS Port	The port on which GlassFish listens for JMS IQ Manager requests.	`7676`

Setting	Description	Default
JMX Admin Port	The port on which GlassFish listens for JMX administration requests.	`8686`
IIOP Port	The port on which GlassFish listens for CORBA requests.	`3100`
IIOP SSL Port	The port on which GlassFish listens for secure CORBA requests.	`3820`
IIOP Mutual Auth Port	The Mutual Authentication IIOP port number for the initial server instance.	`3920`

13 Configure support for Oracle Advanced Queueing. If you choose to install support, be sure to perform the additional steps described in "Enabling Oracle Advanced Queueing" on page 22 after the installation.

Setting	Description	Default
Install Oracle AQ Support	An indicator of whether to install support for Oracle Advanced Queue monitoring and administration. Enter **`1`** to install AQ support; otherwise enter **`0`**.	`0`
Oracle AQ Name	A descriptive name for the Advanced Queue instance. This name will appear on the Enterprise Manager with OracleAQ prepended to it.	No default.
Oracle AQ Host	The name of the server on which the Advanced Queue database is stored.	`localhost`
Oracle AQ Port	The port number for the Advanced Queue database.	`1521`
Oracle AQ Username	The user name to use to log in to the Advanced Queue database. You can use the administrator user for the queue or you can create a new user, as described in "To Create the Java CAPS Advanced Queue User" on page 22.	No default.
Oracle AQ Password	The password to use to log in to the Advanced Queue database.	No default.
Oracle AQ SID	The Oracle SID name of the Advanced Queue database.	No default.

14 Configure support for WebLogic JMS.

WebLogic can also be enabled after Java CAPS is installed. For more information, see "Enabling WebLogic JMS for Java CAPS " on page 23.

Setting	Description	Default
Install WebLogic JMS Support	An indicator of whether to install support for WebLogic JMS monitoring and administration. Enter **`1`** to install support; otherwise enter **`0`**.	`0`
WebLogic JMS Name	A descriptive name for the JMS server. This name will appear on the Enterprise manager with WebLogicMQ prepended to it.	No default.
WebLogic JMS Host	The name of the computer on which the WebLogic JMS server is located.	`localhost`
WebLogic JMS Port	The port number for the JMS server.	`7001`
WebLogic JMS User	The user name to use to log in to the JMS server.	No default.
WebLogic JMS Password	The password to use to log in to the JMS server.	No default.
WebLogic JMS Module Name	The name of the JMS Module containing the system resources and configuration.	No default.
WebLogic JMS Server Name	The name of the WebLogic JMS Server. The server name is optional, and if not specified defaults to the first JMS server.	No default.
WebLogic JMS Sub Deployment Name	The name of the JMS sub-deployment within the given module. The sub-deployment name is optional, and if not specified defaults to the first sub-deployment in the module.	No default.

15 Specify the settings for the Oracle Java CAPS JMS IQ Manager.

If you do not install the Oracle Java CAPS JMS IQ Manager now, you can install the JMS IQ Manager manually to the same or a different GlassFish server after this installation completes.

a. Enter one of the listed operating system indicators, or enter `donotinstall` to skip the JMS IQ Manager installation.

b. Press Enter to accept the default JMS IQ Manager port number of 18007, or provide a custom value and then press Enter.

c. Press Enter to accept the default JMS IQ Manager SSL port number of 18008, or provide a custom value and then press Enter.

d. If you have a previous version of the JMS IQ Manager, provide an absolute path to the previous directory to migrate it to your current installation directory, or press Enter to skip this step.

16 **Specify the settings for the Enterprise Manager:**

a. **Press Enter to accept the default Host Name, or provide a custom value and then press Enter.**

Note – The Host Name is the name of the computer on which you are installing Java CAPS. Enterprise Manager relays this name to other components, such as the GlassFish server. These components then use this name to access Enterprise Manager. Although this value is usually the name of the computer Enterprise Manager is running on, you can specify the name of a proxy server.

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b. **Press Enter to accept the default Admin Port for Enterprise Manager, or provide a custom value and then press Enter.**

Note – The default value is 15000. This port assignment requires five consecutive available ports and the system selects four additional port numbers that sequentially follow the initial port number (15001–15004 for the default). Port checking performed at installation only detects ports in use at that time, so the installation will not detect ports used by other applications that are not currently running. Use caution if you change the default port value.

After setting the parameters for all the components you are installing, a Pre-Installation Summary appears that lists your selections for this installation.

17 **If you are satisfied with your installation selections, press Enter to continue and then press Enter a second time to begin the installation.**

Note – If you are not satisfied with your installation selections, type back and press enter to make the appropriate changes.

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18 **After the installation completes, press Enter to exit from the Console Installer.**

Caution – Ensure that you exit from the Console Installer as directed. If you exit the program by pressing `CTRL-C`, the `javacaps_install_log.xml` file will not be placed in the installation directory.

After you exit the Installer, a Product Registration form opens on your browser. You can complete the Java CAPS product registration at that time, or you can return to the registration form at a later time by navigating to the base installation directory and typing `register.html` at the command prompt.

19 **The default domain is not registered in the NetBeans IDE. In order to access the application server and any JBI runtime components, you need to add the server to the IDE as described in "Adding the GlassFish Server to the NetBeans IDE" in** *Using the Oracle Java CAPS 6.3 Installation GUI***.**

20 **If you deselected Install Repository NBMs on the NetBeans IDE Input page, you can install them now. See "Installing Components Using the NetBeans IDE Update Center" in *Using the Oracle Java CAPS 6.3 Installation GUI* for more information.**

However, if you chose to install the Repository NBMs as part of the initial Java CAPS installation, all the modules have already been downloaded from the Repository to the NetBeans IDE.

Enabling Oracle Advanced Queueing

If you did not install support for Oracle Advanced Queueing, but want to use it, you can install support from the command line after Java CAPS is installed. Whether you install support for Advanced Queueing while or after installing Java CAPS, you need to run the provided script, *JavaCAPS_Home*`\appserver\addons\caps\oracleaq\jdbcwrappers.sp` against the Advanced Queue database in order to allow Enterprise Manager to delete messages from the Oracle Advanced Queue destinations.

▼ To Create the Java CAPS Advanced Queue User

1 **Make sure the Advanced Queueing database is running.**

2 **Log in to the Advanced Queueing database from SQL*Plus as the system user as sysdba.**

3 **Create a Java CAPS user for the Advanced Queuing database by running the following commands:**

```
DROP USER user CASCADE;
CREATE USER user IDENTIFIED BY password QUOTA UNLIMITED ON USERS;
GRANT CONNECT, AQ_ADMINISTRATOR_ROLE, AQ_USER_ROLE TO     user;
```

4 **Grant the Java CAPS user the following permissions:**

```
GRANT SELECT ON V$XATRANS$ TO user;
GRANT SELECT ON PENDING_TRANS$ TO user;
GRANT SELECT ON DBA_2PC_PENDING TO user;
GRANT SELECT ON DB1_PENDING_TRANSACTIONS TO user;
```

▼ To Install Advanced Queueing Support After Installing Java CAPS

You can also use this procedure to install Advanced Queueing support on a new domain that you create after Java CAPS is installed. This procedure creates a lifecycle module on the GlassFish server.

1 **Make sure the GlassFish server is running.**

2. **From a command prompt, navigate to** *JavaCAPS_Home*`\appserver\bin`**.**

3. **Type** `asadmin`**.**

4. **From the asadmin prompt, enter a command similar to the following:**

   ```
   create_oracleaq --oracleaqhost hostname --oracleaqsid SIDname
   --oracleaqusername --oracleaqpassword OracleAdvanceQueueName
   ```

   Tip – For complete information about running `create-oracleaq`, type **`help create-oracleaq`** from the asadmin command prompt.

5. **Restart the GlassFish application server.**

Note – Running create-oracleaq configures Enterprise Manager with a lifecycle module with the name specified at the end of the command. OracleAQ is prepended to the name you specify. You can modify the properties for the module from the GlassFish Admin Console on the Applications > Lifecycle Modules > *ModuleName* page. Running the command also copies the `aqapi.jar` file to the domain's `\lib` directory.

▼ To Allow Enterprise Manager to Delete Advanced Queue Messages

1. **Make sure the Advanced Queueing database is running.**

2. **Log in to the Advanced Queueing database from SQL*Plus as the system user.**

3. **Run the following script:**

   @*JavaCAPS_Home*`\appserver\addons\caps\oracleaqjdbcwrappers.sp`

4. **Grant the Java CAPS user the following permission:**

   ```
   GRANT EXECUTE ON JDBC_PURGE_QUEUE_TABLE TO user;
   ```

Enabling WebLogic JMS for Java CAPS

If you did not install support for WebLogic JMS during the Java CAPS installation, you can install it from a command line any time after installing Java CAPS.

▼ To Install WebLogic JMS Support After Installing Java CAPS

You can also use this procedure to install WebLogic JMS support on a new domain that you create after Java CAPS is installed.

1. **Make sure the GlassFish server is running.**
2. **From a command prompt, navigate to** *JavaCAPS_Home*`\appserver\bin`**.**
3. **Type** `asadmin`**.**
4. **From the asadmin prompt, enter a command similar to the following:**

   `create-wl --wlhost` *hostname* `--wlport` *portNumber*`--wlusername` *username* `--wlpassword` *password* `--wljmsservername` *JmsServerName* `--wljmsmodulename` *JmsModuleName* `--wlsubdeploymentname` *SubDeploymentName ModuleName*

   Tip – For complete information about running `create-wl`, type **`help create-wl`** from the asadmin command prompt.

5. **Restart the GlassFish application server.**

   Note – Running create-wl configures Enterprise Manager with a lifecycle module with the name specified at the end of the command. WebLogicMQ is prepended to the name you specify. You can modify the properties for the module from the GlassFish Admin Console on the Applications > Lifecycle Modules > *ModuleName* page. Running the command also copies the `wlthint3client.jar` file to the domain's `\lib` directory.

Links to Additional Installation Information

There are several additional tasks you can perform once you complete the initial installation of Java CAPS. The following sections provide links to information and instructions for these tasks:

- "Installing Additional Components" on page 25
- "Starting and Stopping Java CAPS" on page 25
- "Running Java CAPS as a Windows Service" on page 25
- "Increasing the NetBeans Heap Size" on page 25
- "Working With the Repository" on page 26

Installing Additional Components

After you install Java CAPS, you can install additional Repository-based components using the Java CAPS Uploader and the NetBeans Update Center, and you can download sample files and component tools from the Java CAPS Uploader. You can also use Enterprise Manager to install the required monitoring plugins for each component.

See the following topics for more information and instructions on these procedures:

- "Installing Java CAPS Components Using the Java CAPS Uploader" in *Using the Oracle Java CAPS 6.3 Installation GUI*
- "Installing Components Using the NetBeans IDE Update Center" in *Using the Oracle Java CAPS 6.3 Installation GUI*
- "Installing Plugins Using Enterprise Manager Web Applications Manager" in *Using the Oracle Java CAPS 6.3 Installation GUI*

Starting and Stopping Java CAPS

Java CAPS provides shortcuts to the executable files that start the various components. To start and stop Java CAPS after the initial installation, navigate to the Java CAPS install directory or to the directory where the component is installed that you want to start or stop. Run the appropriate command. The commands are listed at "Starting and Stopping Java CAPS" in *Using the Oracle Java CAPS 6.3 Installation GUI*.

Running Java CAPS as a Windows Service

After you install Java CAPS, you can create a Windows Service for the Java CAPS domain in GlassFish by running a script that uses a tool provided with GlassFish ES specifically for this purpose. For information and instructions, see "Creating a Windows Service for the GlassFish Domain" in *Using the Oracle Java CAPS 6.3 Installation GUI*.

Increasing the NetBeans Heap Size

When running certain Java CAPS components, such as the HL7 Message Library, you may need to increase the NetBeans heap size to improve performance. For information and instructions, see "Increasing the NetBeans IDE Heap Size" in *Using the Oracle Java CAPS 6.3 Installation GUI*.

Working With the Repository

Once you have installed all components and have a running Repository, you need to connect to the Repository from NetBeans in order to work with Repository components and projects. For information and instructions, see "Connecting to the Java CAPS Repository From the NetBeans IDE" in *Using the Oracle Java CAPS 6.3 Installation GUI*.

After you connect to the Repository from NetBeans, you can import projects that were created in previous versions. For information and instructions, see "Importing Non-JBI Based Java CAPS Sample Projects" in *Using the Oracle Java CAPS 6.3 Installation GUI*.