



BEA WebLogic Platform™

8.1 Supported Configurations: HP OpenVMS 8.2-1 on Itanium

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HP OpenVMS 8.2-1 on Itanium with 8.1 SP3

Product Components Supported on this Configuration

	WebLogic Server	WebLogic Workshop	WebLogic Integration	WebLogic Portal
Run-time	✓	✓	✗	✗
Design/Dev Tools*	✓	✗	✗	✗

* For design and development tools support, see the "Configuration Requirements" section below.

✓ Supported
✗ Not supported

This section provides the following information:

- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions for WebLogic Server](#)
- [Post-Installation Setup Instructions for WebLogic Server](#)

Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 8.1 Supported Configurations](#).
- For details about HP OpenVMS 8.2-1 on Itanium, see [HP OpenVMS Systems](#) at the following URL:

<http://h71000.www7.hp.com>

Configuration Requirements

Table 1-1 Requirements for WebLogic Platform 8.1 SP3 on HP OpenVMS 8.2-1 on Itanium

Operating System Version and Patches	HP OpenVMS 8.2-1	
Chip Architecture and Minimum Processor Speed	HP I64 processor (1300 MHz) with a non-system disk that can be converted or initialized to ODS-5. Note: The disk must not have page or swap files on it.	
SDK	<ul style="list-style-type: none"> • Java™ 2 Runtime Environment, Standard Edition • Java HotSpot™ Server VM (build 1.4.2-3 01/23/2006-23:30 IA64, mixed mode) 	
Design and Development Tools	Supports WebLogic Server development tools.	
RAM	For WebLogic Server	512 MB required; 1 GB recommended
Performance Pack	None	
Node Manager	Included	Java
BEA jDrivers for Oracle	<ul style="list-style-type: none"> • Oracle 9.2.0 Thin Driver for Oracle 9.2.0 • Oracle 10g Thin Driver 	

Known Issues

This section provides recommendations and workarounds for the following problems that occur in WebLogic Server 8.1 SP3:

- [Examples Problem for WebLogic Server](#)
- [Native Libraries Not Supported by WebLogic Server](#)

For more information about known issues with this release, see the WebLogic Server 8.1 *Release Notes* document:

<http://e-docs.bea.com/wls/docs81/notes/index.html>

Examples Problem for WebLogic Server

When you run the examples for WebLogic Server, you may see the following warning:

```
<Warning> <Socket> <BEA-000402> <There are: 5 active sockets, but  
the maximum number of socket reader threads allowed by the  
configuration is: 4. You may want to alter your configuration.
```

Ignore this warning. It does not adversely affect the running of the examples.

Native Libraries Not Supported by WebLogic Server

WebLogic Server 8.1 does not support any WebLogic Server native libraries. For example, there is no support for jDriver or pollmuxer.

Download and Installation Instructions for WebLogic Server

This section provides instructions for the following tasks:

- [Preparing Your System](#)
- [Downloading the WebLogic Server Software and Supplementary JAR File](#)
- [Installing WebLogic Server 8.1 Service Pack 3](#)

Note: Review all instructions before proceeding. WebLogic Server must be installed on an ODS-5 disk.

Preparing Your System

This section provides instructions for the following tasks:

- [Verifying the Prerequisites on Your System](#)
- [Required Supplemental Software](#)
- [Setting Up a Disk, Directory, and Account to Run WebLogic Server](#)

Verifying the Prerequisites on Your System

Before you download WebLogic Server for your system, you must make sure that in addition to the OpenVMS 8.2-1 operating system, the following required software is installed:

- Java HotSpot Server VM 1.4.2-3, available from the Java on I64 System Version 1.4.2 download page:

<http://h18012.www1.hp.com/java/download/ivms/1.4.2/index.html>

- Additional Java Software Patches (ECOs), if any, necessary for Java HotSpot Server VM 1.4.2-3, available from the v1.4.2 Java Patch Installation Page:

http://h18012.www1.hp.com/java/download/ivms/1.4.2/sdk1.4.2_patches.html

Required Supplemental Software

In addition to the WebLogic Server software, you also need the OpenVMS 8.2-1 Supplementary JAR file, `wls813_OpenVMS_I64_supp.jar`, which contains installation and configuration files for OpenVMS. Instructions for downloading this file are provided in [“Downloading the WebLogic Server Software and Supplementary JAR File”](#) on page 1-7.

Note: The supplemental file contains customized command files for OpenVMS, which are automatically copied to the proper directories during installation. The following files are delivered: `commEnv.com`, `config.com`, `configDB.com`, `configEnvVMS.com`, `configEnvVMS_template.dat`, `configFilesVMS.com`, `ConfigWizardSALT.jar`, `env.com`, `extEnv.com`, `login.com`, `mod_wl.exe`, `mod_wl_ssl.exe`, `parseNodeManager.exe`, `setEnv.com`, `setExamplesEnv.com`, `setJavaClasspath.com`, `setMedRecEnv.com`, `setWLSenv.com`, `startExamplesServer.com`, `startManagedWebLogic.com`, `startMedRecServer.com`, `startNodeManager.com`, `startNodeManagerProcess.com`, `startWebLogic.com`, `startWebLogicDetached.com`, `startWLS.com`, `startWLSNm.com`, `stopWebLogic.com`, `stopWLS.com`, `vms_javac.com`, and `_java.policy`.

Setting Up a Disk, Directory, and Account to Run WebLogic Server

Before you can run WebLogic Server on OpenVMS, you must set up an ODS-5 disk, and a dedicated directory and account. To do so, complete the following procedure:

1. Log in to the `SYSTEM` account.

Set the minimum quotas for the `SYSTEM` account to values greater than or equal to those of the `bea` account, as specified in step 3 below. For installation purposes, the `SYSTEM` account must have a minimum `BYTLM` of 6000000 (6M).

```
$ SET PROCESS /PARSE_STYLE=EXTENDED
```

2. Create or convert an ODS-5 disk, define a system logical called `wldisk` to reference this disk, and then mount the disk. For example:

Note: This `INITIALIZE` command will destroy all data on the selected drive.

```
$ INITIALIZE/STRUCTURE_LEVEL=5 DKA100: "wldisk"
```

Note: If the logical defined in the next step contains any lowercase characters, it must be enclosed in quotes. Take note of the exact syntax. You must specify the same spelling (including distinctions between uppercase and lowercase) and syntax when you create the default `bea` directory on the ODS-5 device. This also applies when you specify the default device and directory specification for the `bea` account in the user authorization file. (UAF).

```
$ DEFINE/SYSTEM/EXECUTIVE_MODE/TRANSLATION_ATTRIBUTES=CONCEALED -
_$ "wldisk" DKA100:
```

To verify the logical definition:

```
$ SHOW LOGICAL wldisk /FULL
"wldisk" [exec] = "DKA100:" [concealed] (LNM$SYSTEM_TABLE)
```

```
$ MOUNT/SYSTEM DKA100: "wldisk"
```

Add the `DEFINE` and `MOUNT` commands, above, to `SYS$STARTUP:SYSTARTUP_VMS.COM`.

3. Using `AUTHORIZE`, create a `BEA Home` account called `bea`.

```
$ SET DEFAULT SYS$SYSTEM
$ RUN SYS$SYSTEM:AUTHORIZE.EXE
```

Set the default device to the logical name defined in the previous step. Set the directory of this account to `bea`:

```
/DEVICE="wldisk" /DIRECTORY=bea
```

The account must have the following minimum quotas:

```
/PGFLQUO=2097152
/WSDEF=8192
/WSEXTENT=32768
/WSQUO=16384
/BYTLM=400000
/FILLM=4096
```

The system parameter CHANNELCNT must be greater than or equal to FILLM.

Use the SYSMAN utility to examine the value of CHANNELCNT:

```
$ RUN SYS$SYSTEM:SYSMAN
SYSMAN> PARAMETERS SHOW CHANNELCNT
```

Parameter name	Current	Default	Minimum	Maximum	Unit	Dynamic
CHANNELCNT	127	127	21	2047	Channels	

```
SYSMAN> EXIT
$
```

To change the value of CHANNELCNT, edit the SYS\$SYSTEM:MODPARAMS.DAT file and then use AUTOGEN.

4. Create a directory on the ODS-5 disk called `wldisk:[bea]` and set the owner to the `bea` account. The directory name is case sensitive; it must match the directory specified earlier for the `bea` home account. For example:

```
$ CREATE/DIRECTORY/OWNER=BEA/VERSION=0 wldisk:[bea]
```

5. Create an additional directory on the ODS-5 disk to hold the downloaded kits, and set the owner to the `bea` account. For example, to name the directory `wldisk:[kits]`, enter the following command:

```
$ CREATE/DIRECTORY/OWNER=BEA/VERSION=0 wldisk:[kits]
```

6. Steps 7 and 8 are based on the assumption that Java 2 SDK 1.4.2-3, and all its prerequisite software patches, are installed on your system. If these items are installed, skip to step 7.

If these items are not installed yet, install them now and reboot the system. The SDK and all required patches are available from:

<http://h18012.www1.hp.com/java/download/ivms/1.4.2/index.html>

7. From the `SYSTEM` account, execute the following commands:

```
$ SET DEFAULT wldisk:[bea]
$ SET PROCESS/PARSE_STYLE=EXTENDED
$ DEFINE DECC$ARGV_PARSE_STYLE ENABLE
$ DEFINE DECC$EFS_CASE_PRESERVE ENABLE
$ DEFINE DECC$FD_LOCKING ENABLE
$ @SYS$COMMON:[JAVA$142.COM]JAVA$142_SETUP.COM
$ DEFINE DECC$READDIR_DROPDOTNOTYPE ENABLE
$ DEFINE DECC$EFS_CHARSET ENABLE
$ DEFINE JAVA$CLASSPATH []
$ DEFINE JAVA$CREATE_DIR_WITH_OWNER_DELETE TRUE
$ DEFINE JAVA$DELETE_ALL_VERSIONS TRUE
$ DEFINE JAVA$DISABLE_JAVA_FCNTL_LOCKS TRUE
$ DEFINE JAVA$FILENAME_CONTROLS 8
$ DEFINE JAVA$FILE_OPEN_MODE 3
$ DEFINE JAVA$FORK_SUPPORT_CHDIR TRUE
$ DEFINE JAVA$FSYNC_INTERVAL 5
$ DEFINE JAVA$RENAME_ALL_VERSIONS TRUE
$ DEFINE JAVA$TIMED_READ_USE_QIO TRUE
$ DEFINE SYS$SCRATCH 'F$ENVIRONMENT("DEFAULT")'
```

8. Before you start running WebLogic Server on OpenVMS, verify that the OpenVMS time zone is set correctly by running the following command:

```
$ @SYS$MANAGER:UTC$TIME_SETUP SHOW
```

For more information, see Section 6.1, “Setting Correct Time Zone Information on Your System” in the *OpenVMS System Manager’s Manual*.

Downloading the WebLogic Server Software and Supplementary JAR File

To download WebLogic Server to your system, complete the following procedure:

- Go to the WebLogic Server download site:
http://commerce.bea.com/downloads/weblogic_server.jsp
- Find the listings for WebLogic Server 8.1 SP3 and select WebLogic Server Package Installer.
- Then select HP OpenVMS 8.2-1 (Itanium) from the drop-down menu.
- Download the following:
 - WebLogic Server installer: `pj_server813_generic.jar`

- OpenVMS 8.2-1 Supplementary JAR file, `wls813_OpenVMS_I64_supp.jar`, containing supplementary installation and configuration files for OpenVMS

5. COPY (or FTP in binary mode) the files to a convenient location, such as `wldisk:[kits]`.

Installing WebLogic Server 8.1 Service Pack 3

From the SYSTEM account, install the WebLogic Server kit as follows:

1. Set attributes for the downloaded installer and supplemental .jar files to stream LF. For example:

```
$ SET FILE/ATTR=(RFM=STMLF) wldisk:[kits]pj_server813_generic.jar
$ SET FILE/ATTR=(RFM=STMLF) wldisk:[kits]wls813_OpenVMS_I64_supp.jar
```

2. Install the WebLogic Server kit in console mode by setting the default to `wldisk:[bea]` and using the `java` command to unpack the archive:

```
$ SET DEFAULT wldisk:[bea]
$ java -DJAVA_HOME=/sys$common/java$142 -Djdk.check.override=true -
_-$ -jar /wldisk/kits/pj_server813_generic.jar -mode=console
```

These command lines are based on the assumption that the .jar file resides in the `wldisk:[kits]` directory. If the .jar file on your system resides elsewhere, modify the `java` command as appropriate.

Note: This `java` command creates the WebLogic Server directory structure, starting with the WebLogic directory under `[bea]`: that is, `[bea.weblogic81]`. Depending on the speed of the machine, this command may run for over 20 minutes.

While the BEA installer is running, note the pathnames of the “BEA Home Directory” and “Product Installation Directory.” These directory specifications are required as input for the configuration of the WebLogic Server environment on OpenVMS (during the execution of `configEnvVMS.com`).

The following code shows an example of an installation. User responses are highlighted in **bold**. To select [Next] at any time, press **Enter**.

```
0%.....100%
<----- WebLogic Server 8.1 SP3 ----->
Welcome:
-----
```

This installer will guide you through the installation of WebLogic Server 8.1 SP3. Type "Next" or enter to proceed to the next prompt. If you want to change data entered previously, type "Previous". You may quit the installer at any time by typing "Exit".

Download and Installation Instructions for WebLogic Server

Enter [Exit][Next]> **Next**

<----- WebLogic Server 8.1 SP3 ----->

BEA Systems License Agreement:

BEA SYSTEMS, INC. SOFTWARE LICENSE AGREEMENT

NOTE: *Please read the license agreement.*

Select Option:

1 - Yes, I agree with the terms of the license

2 - No, I do not agree with the terms of the license

Enter option number to select OR [Down] [Exit] [Previous]> **1**

<----- WebLogic Server 8.1 SP3 ----->

Choose BEA Home Directory:

"BEA Home"=[/SYS\$SYSROOT/SYSMGR/bea]

Input new BEA Home OR [Exit][Previous][Next]> **/wldisk/bea**

<----- WebLogic Server 8.1 SP3 ----->

Choose BEA Home Directory:

*BEA home choice

->1 Yes, Use this BEA home directory [/wldisk/bea]

2 No, return to BEA home directory selection

Enter index number to select OR [Exit][Previous][Next]> **1**

<----- WebLogic Server 8.1 SP3 ----->

Choose Install Type:

->1 Complete

Install the complete BEA WebLogic Platform.


```
<----- WebLogic Server 8.1 SP3 ----->
Clean up process in progress...
$
```

- Use the `jar` command to unpack the contents of the OpenVMS command procedures file `wls813_OpenVMS_I64_supp.jar`. This file is the one you copied, earlier, into a convenient location, such as `wldisk:[kits]`.

```
$ CREATE/DIRECTORY wldisk:[bea.wls813_OpenVMS_supp]
$ SET DEFAULT wldisk:[bea.wls813_OpenVMS_supp]
$ jar xf /wldisk/kits/wls813_OpenVMS_I64_supp.jar
```

- Log out of the `SYSTEM` account.
- Log in to the `bea` account
- Run the following command procedure to configure the WebLogic Server environment on OpenVMS:

```
$ SET DEFAULT wldisk:[bea.wls813_OpenVMS_supp]
$ @configEnvVMS
      Configure BEA WebLogic Server Environment
Enter the BEA Home Directory (e.g., wldisk:[bea])? wldisk:[bea]
Enter the BEA WebLogic Product Directory (e.g., wldisk:[bea.weblogic81
)? wldisk:[bea.weblogic81]
Creating WLDISK:[bea.wls813_OpenVMS_supp]setEnvVMS.com . . .
Create complete
Install OpenVMS Command Procedures.
If modifications were made to installed command procedure files on this
system please save them in an alternate directory previous to running
this install.
Install OpenVMS Command Procedure Files (Y/N)? Y
Installing OpenVMS Command Procedure Files...
OpenVMS Command Procedure Files installed.
$
```

- Run the BEA Configuration Wizard to configure the Examples domain, as shown in the following example:

```
$ SET DEFAULT SYS$LOGIN
$ @LOGIN
$ SET DEFAULT WL_HOME:[common.bin]
$ @config "--mode=console"

<----- BEA WebLogic Configuration Wizard ----->
```

Create or Extend a Configuration:

Choose between creating and extending a configuration. Based on your selection, the Configuration Wizard guides you through the steps to generate a new or extend an existing configuration.

- >1 | Create a new WebLogic configuration
| Start here to create a WebLogic configuration in your projects
| directory.
- 2 | Extend an existing WebLogic configuration
| Start here to extend an existing WebLogic configuration. Use this
| option to add applications and services, including Database access
| (JDBC) and Messaging (JMS). This option also enables you to extend
| functionality by enabling WebLogic Workshop.

Enter index number to select OR [Exit][Next]> **1**

<----- BEA WebLogic Configuration Wizard ----->

Select a Domain Template:

Please select a template from the list or select another directory of templates.

- * [/wldisk/bea/weblogic81/common/templates/domains]
- >1 | WebLogic Server Examples Domain 8.1.3.0
| BEA Systems, Inc.
| Create the WebLogic Server Examples domain in a directory outside
| of the installed kit. The Examples domain contains a collection of
| examples to show best practices for coding individual J2EE APIs.
- 2 | Avitek Medical Records Sample Domain 8.1.3.0
| BEA Systems, Inc.
| Create the Avitek Medical Records domain in a directory outside of
| the installed kit. The Avitek Medical Records is a WebLogic
| Server sample application suite that concisely demonstrates all
| aspects of the J2EE platform.
- 3 | Basic WebLogic Server Domain 8.1.3.0
| BEA Systems, Inc.
| Create a basic WebLogic Server domain without installing sample
| applications.
- 4 | Basic WebLogic Workshop Domain 8.1.3.0
| BEA Systems, Inc.
| Create a basic WebLogic Workshop domain, without installing
| sample applications. Domains created from this template will
| support them.

Enter index number to select OR [Down][Exit][Previous][Next]> **1**


```
<----- BEA WebLogic Configuration Wizard ----->
Choose Configuration Option:
-----
```

*Do you want to run the wizard in express mode?

```
->1|Yes
    2|No
```

Enter index number to select OR [Exit][Previous][Next]> **1**

```
<----- BEA WebLogic Configuration Wizard ----->
Configure Administrative Username and Password:
-----
```

Create a user automatically assigned to the Administrative Role. This user is the default administrator used to start development mode servers.

	Name	Value
1	*User Name:	weblogic
2	*User Password:	*****
3	*Confirm User Password:	*****
4	Description:	admin user

Select Option

- 1 - Modify "User Name"
- 2 - Modify "User Password"
- 3 - Modify "Confirm User Password"
- 4 - Modify "Description"

Enter option number to select OR [Exit][Previous][Next]> **Next**

```
<----- BEA WebLogic Configuration Wizard ----->
Domain Mode Configuration:
-----
```

Enable Development or Production Mode for this domain.

```
->1|Development Mode
    2|Production Mode
```

Enter index number to select OR [Exit][Previous][Next]> **1**

```
<----- BEA WebLogic Configuration Wizard ----->
Java SDK Selection:
```

```
-----
->1|Other Java SDK
```

Enter index number to select OR [Exit][Previous][Next]> **1**

```
<----- BEA WebLogic Configuration Wizard ----->
Java SDK Selection:
```

```
-----
"JVM Directory" = []
```

Input new JVM Directory OR [Exit][Previous][Next]>
/sys\$common/java\$142

```
<----- BEA WebLogic Configuration Wizard ----->
Java SDK Selection:
```

```
-----
"JVM Directory" = [/sys$common/java$142]
```

Input new JVM Directory OR [Exit][Previous][Next]> **Next**

```
<----- BEA WebLogic Configuration Wizard ----->
Select the target domain directory for this configuration:
```

```
-----
"Target Location" = [/wldisk/bea/user_projects/domains]
```

Input new Target Location OR [Exit][Previous][Next]>
/wldisk/bea/weblogic81/samples/domains

```
<----- BEA WebLogic Configuration Wizard ----->
Edit Domain Information:
```

```

| Name          | Value      |
|-----|
1| *Name:        | examples  |
Enter value for "Name *" OR [Exit][Previous][Next]> Next

```

```

<----- BEA WebLogic Configuration Wizard ----->
Creating Domain...

0%          25%          50%          75%          100%
[-----|-----|-----|-----]
[*****]
**** Domain Created Successfully! ****

```

8. Run the BEA Configuration Wizard to configure the Medical Records domain, as shown in the following example:

```

$ SET DEFAULT SYS$LOGIN
$ @LOGIN
$ SET DEFAULT WL_HOME:[common.bin]
$ @config "-mode=console"

```

```

<----- BEA WebLogic Configuration Wizard ----->
Create or Extend a Configuration:
-----

```

Choose between creating and extending a configuration. Based on your selection, the Configuration Wizard guides you through the steps to generate a new or extend an existing configuration.

```

->1|Create a new WebLogic configuration
   |Start here to create a WebLogic configuration in your projects
   |directory.

2|Extend an existing WebLogic configuration
   |Start here to extend an existing WebLogic configuration. Use this
   |option to add applications and services, including Database access
   |(JDBC) and Messaging (JMS). This option also enables you to extend
   |functionality by enabling WebLogic Workshop.

```

```
Enter index number to select OR [Exit][Next]> 1
```

```

<----- BEA WebLogic Configuration Wizard ----->
Select a Domain Template:
-----

```

Please select a template from the list or select another directory of templates.

```
* [/wldisk/bea/weblogic81/common/templates/domains]
1|WebLogic Server Examples Domain 8.1.3.0
  |BEA Systems, Inc.
  |Create the WebLogic Server Examples domain in a directory outside
  |of the installed kit. The Examples domain contains a collection of
  |examples to show best practices for coding individual J2EE APIs.
2|Avitek Medical Records Sample Domain 8.1.3.0
  |BEA Systems, Inc.
  |Create the Avitek Medical Records domain in a directory outside of
  |the installed kit. The Avitek Medical Records is a WebLogic
  |Server sample application suite that concisely demonstrates all
  |aspects of the J2EE platform.
->3|Basic WebLogic Server Domain 8.1.3.0
  |BEA Systems, Inc.
  |Create a basic WebLogic Server domain without installing sample
  |applications.
4|Basic WebLogic Workshop Domain 8.1.3.0
  |BEA Systems, Inc.
  |Create a basic WebLogic Workshop domain, without installing
  |sample applications. Domains created from this template will
  |support them.
```

Enter index number to select OR [Down][Exit][Previous][Next]> **2**

```
<----- BEA WebLogic Configuration Wizard ----->
Choose Configuration Option:
-----
```

*Do you want to run the wizard in express mode?

```
->1|Yes
   2|No
```

Enter index number to select OR [Exit][Previous][Next]> **1**

```
<----- BEA WebLogic Configuration Wizard ----->
Configure Administrative Username and Password:
-----
```

Create a user automatically assigned to the Administrative Role. This user is the default administrator used to start development mode servers.

	Name	Value
1	*User Name:	weblogic
2	*User Password:	*****
3	*Confirm User Password:	*****
4	Description:	

Select Option

- 1 - Modify "User Name"
- 2 - Modify "User Password"
- 3 - Modify "Confirm User Password"
- 4 - Modify "Description"

Enter option number to select OR [Exit][Previous][Next]> **Next**

<----- BEA WebLogic Configuration Wizard ----->
 Domain Mode Configuration:

Enable Development or Production Mode for this domain.

- >1|Development Mode
- 2|Production Mode

Enter index number to select OR [Exit][Previous][Next]> **1**

<----- BEA WebLogic Configuration Wizard ----->
 Java SDK Selection:

- >1|Other Java SDK

Enter index number to select OR [Exit][Previous][Next]> **1**

<----- BEA WebLogic Configuration Wizard ----->
 Java SDK Selection:

"JVM Directory" = []

Input new JVM Directory OR [Exit][Previous][Next]>
/sys\$common/java\$142

```
<----- BEA WebLogic Configuration Wizard ----->
Java SDK Selection:
```

```
-----
```

```
"JVM Directory" = [/sys$common/java$142]
```

```
Input new JVM Directory OR [Exit][Previous][Next]> Next
```

```
<----- BEA WebLogic Configuration Wizard ----->
Select the target domain directory for this configuration:
```

```
-----
```

```
"Target Location" = [/wldisk/bea/user_projects/domains]
```

```
Input new Target Location OR [Exit][Previous][Next]>
```

```
/wldisk/bea/weblogic81/samples/domains
```

```
<----- BEA WebLogic Configuration Wizard ----->
Edit Domain Information:
```

	Name	Value	
1	*Name:	medrec	

```
Enter value for "Name" OR [Exit][Previous][Next]> Next
```

```
<----- BEA WebLogic Configuration Wizard ----->
Creating Domain...
```

```
0%          25%          50%          75%          100%
[-----|-----|-----|-----]
[*****]
```

```
**** Domain Created Successfully! ****
```

9. Run the BEA Configuration Wizard to configure a domain, as shown in the following example:

```
$ SET DEFAULT SYS$LOGIN
$ @LOGIN
$ SET DEFAULT WL_HOME:[common.bin]
```

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```
$ @config "-mode=console"

<----- BEA WebLogic Configuration Wizard ----->
Create or Extend a Configuration:
-----

Choose between creating and extending a configuration. Based on your
selection, the Configuration Wizard guides you through the steps to
generate a new or extend an existing configuration.

->1|Create a new WebLogic configuration
   |Start here to create a WebLogic configuration in your projects
   |directory.
   2|Extend an existing WebLogic configuration
   |Start here to extend an existing WebLogic configuration. Use this
   |option to add applications and services, including Database access
   |(JDBC) and Messaging (JMS). This option also enables you to extend
   |functionality by enabling WebLogic Workshop.

Enter index number to select OR [Exit][Next]> 1

<----- BEA WebLogic Configuration Wizard ----->
Select a Domain Template:
-----

Please select a template from the list or select another directory of
templates.

* [/wldisk/bea/weblogic81/common/templates/domains]
1|WebLogic Server Examples Domain 8.1.3.0
  |BEA Systems, Inc.
  |Create the WebLogic Server Examples domain in a directory outside
  |of the installed kit. The Examples domain contains a collection of
  |examples to show best practices for coding individual J2EE APIs.
  2|Avitek Medical Records Sample Domain 8.1.3.0
  |BEA Systems, Inc.
  |Create the Avitek Medical Records domain in a directory outside of
  |the installed kit. The Avitek Medical Records is a WebLogic
  |Server sample application suite that concisely demonstrates all
  |aspects of the J2EE platform.
->3|Basic WebLogic Server Domain 8.1.3.0
  |BEA Systems, Inc.
  |Create a basic WebLogic Server domain without installing sample
  |applications.
  4|Basic WebLogic Workshop Domain 8.1.3.0
  |BEA Systems, Inc.
  |Create a basic WebLogic Workshop domain, without installing
```

```
|sample applications. Domains created from this template will  
|support them.
```

Enter index number to select OR [Down][Exit][Previous][Next]> **3**

```
<----- BEA WebLogic Configuration Wizard ----->  
Choose Configuration Option:  
-----
```

*Do you want to run the wizard in express mode?

```
->1|Yes  
 2|No
```

Enter index number to select OR [Exit][Previous][Next]> **1**

```
<----- BEA WebLogic Configuration Wizard ----->  
Configure Administrative Username and Password:  
-----
```

Create a user automatically assigned to the Administrative Role. This user is the default administrator used to start development mode servers.

	Name	Value
1	User Name: *	weblogic
2	User Password *	*****
3	Confirm User Password *	
4	Description	This user is the default administrator.

Select Option

- 1 - Modify "User Name *"
- 2 - Modify "User Password *"
- 3 - Modify "Confirm User Password *"
- 4 - Modify "Description *"

Enter option number to select OR [Exit][Previous][Next]> **2**


```
<----- BEA WebLogic Configuration Wizard ----->
Configure Administrative Username and Password:
-----
```

Create a user automatically assigned to the Administrative Role. This user is the default administrator used to start development mode servers.

```
"User Password *" = []
Input new User Password * OR [Exit][Reset][Accept]> <enter_password>
```

```
<----- BEA WebLogic Configuration Wizard ----->
Configure Administrative Username and Password:
-----
```

Create a user automatically assigned to the Administrative Role. This user is the default administrator used to start development mode servers.

	Name	Value
1	User Name: *	weblogic
2	User Password *	*****
3	Confirm User Password *	
4	Description	This user is the default administrator.

Select Option

- 1 - Modify "User Name *"
- 2 - Modify "User Password *"
- 3 - Modify "Confirm User Password *"
- 4 - Modify "Description *"
- 5 - Discard Changes

```
Enter option number to select OR [Exit][Previous][Next]> 3
```

```
<----- BEA WebLogic Configuration Wizard ----->
Configure Administrative Username and Password:
-----
```

Create a user automatically assigned to the Administrative Role. This user is the default administrator used to start development mode servers.

```
"Confirm User Password *" = []
Input new Confirm User Password * OR [Exit][Reset][Accept]>
<enter_password>
```

```
<----- BEA WebLogic Configuration Wizard ----->
Configure Administrative Username and Password:
-----

Create a user automatically assigned to the Administrative Role. This
user is the default administrator used to start development mode servers.
```

	Name	Value
1	User Name: *	weblogic
2	User Password *	*****
3	Confirm User Password *	*****
4	Description	This user is the default administrator.

Select Option

- 1 - Modify "User Name *"
- 2 - Modify "User Password *"
- 3 - Modify "Confirm User Password *"
- 4 - Modify "Description *"
- 5 - Discard Changes

Enter option number to select OR [Exit][Previous][Next]> **Next**

```
<----- BEA WebLogic Configuration Wizard ----->
Domain Mode Configuration:
-----
```

Enable Development or Production Mode for this domain.

- >1|Development Mode
- 2|Production Mode

Enter index number to select OR [Exit][Previous][Next]> **1**

```
<----- BEA WebLogic Configuration Wizard ----->
Java SDK Selection:
-----
```

- >1|Other Java SDK

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Enter index number to select OR [Exit][Previous][Next]> **1**

```
<----- BEA WebLogic Configuration Wizard ----->
Java SDK Selection:
```

```
-----
```

```
"JVM Directory" = []
```

```
Input new JVM Directory OR [Exit][Previous][Next]>
```

```
/sys$common/java$142
```

```
<----- BEA WebLogic Configuration Wizard ----->
Java SDK Selection:
```

```
-----
```

```
"JVM Directory" = [/sys$common/java$142]
```

```
Input new JVM Directory OR [Exit][Previous][Next]> Next
```

```
<----- BEA WebLogic Configuration Wizard ----->
Select the target domain directory for this configuration:
```

```
-----
```

```
"Target Location" = [/wldisk/bea/user_projects/domains]
```

```
Input new Target Location OR [Exit][Previous][Next]> Next
```

Note: Record this Target Location for later reference.

```
<----- BEA WebLogic Configuration Wizard ----->
Edit Domain Information:
```

Name	Value	
-----	-----	-
1 Name *	mydomain	

```
Enter value for "Name *" OR [Exit][Previous][Next]> Next
```

```
<----- BEA WebLogic Configuration Wizard ----->
Creating Domain...

0%          25%          50%          75%          100%
[-----|-----|-----|-----]
[*****]

**** Domain Created Successfully! ****
```

10. Install the domain-related command procedures. You should run this procedure for each domain you create.

```
$ SET DEFAULT wldisk:[bea.wls813_OpenVMS_supp]
$ @configFilesVMS Examples
Install OpenVMS Command Procedures for WebLogic Server Examples Domain
The BEA Configuration Wizard configures a WebLogic Server Examples
Domain There are additional OpenVMS Command Procedures related to this
domain that will now be installed.
Has a WebLogic Server Examples Domain been configured (Y/N)? Y
Enter the target domain directory
(e.g.,wldisk:[bea.weblogic81.samples.domains.examples]) ?
wldisk:[bea.weblogic81.samples.domains.examples]
Copy command procedures to
wldisk:[bea_1.weblogic81.samples.domains.examples] (Y/N)? Y
Examples Domain related command procedures installed.
```

```
$ SET DEFAULT wldisk:[bea.wls813_OpenVMS_supp]
$ @configFilesVMS Medrec
Install OpenVMS Command Procedures for Avitek Medical Records Sample
Domain
The BEA Configuration Wizard configures a Medical Records Sample
Domain
There are additional OpenVMS Command Procedures related to this domain
that will now be installed.
Has a Medical Records Sample Domain been configured (Y/N)? Y
Enter the target domain directory
(e.g.,wldisk:[bea.weblogic81.samples.domains.medrec]) ?
wldisk:[bea.weblogic81.samples.domains.medrec]
Copy command procedures to
wldisk:[bea.weblogic81.samples.domains.medrec] (Y/N)? Y
Medrec Domain related command procedures installed.
```

```
$ SET DEFAULT wldisk:[bea.wls813_OpenVMS_supp]
$ @configFilesVMS domain
Install OpenVMS Command Procedures for Domains.
The BEA Configuration Wizard configures a WebLogic Server Domain.
There are additional OpenVMS Command Procedures related to this domain
that will now be installed.
Has a WebLogic Server Domain been configured (Y/N)? Y
```

```

Enter the target domain directory (e.g., wldisk:
[bea.user_projects.domains.mydomain] ?
wldisk: [bea.user_projects.domains.mydomain]
Copy command procedures to wldisk:
[bea.user_projects.domains.mydomain] (Y/N)? Y
Domain related command procedures installed.
$

```

Note: If you do not plan to run WebLogic Server clusters, skip step 11 and proceed to step 12.

11. If you plan to run WebLogic Server clusters, you must set TCP/IP quotas, which are required by the Administration Server and Managed Servers. To set such quotas, complete the following procedure:

- a. Log in to the `SYSTEM` account.
- b. Set the quotas as follows, for use in the current TCP/IP session:

```

$ TCPIP SET PROTOCOL UDP/QUOTA=SEND:65536
$ TCPIP SET PROTOCOL UDP/QUOTA=RECEIVE:65536

```

To modify these quotas in the permanent database so they can be used at boot time or when TCP/IP Services are restarted interactively, enter the following:

```

$ TCPIP SET CONFIGURATION PROTOCOL UDP/QUOTA=SEND:65536
$ TCPIP SET CONFIGURATION PROTOCOL UDP/QUOTA=RECEIVE:65536

```

- c. Log out of the `SYSTEM` account.

12. An evaluation license is provided with your download. Before you can use WebLogic Server for production, however, you must obtain a license from BEA. For information about obtaining a license, see “Licensing” at:

<http://e-docs.bea.com/platform/docs81/interm/license.html>

Once you have obtained your license, complete the following procedure:

- a. Copy the new WebLogic Server license that you obtained from BEA to your WebLogic Home directory.
- b. To install the new license, launch LicenseMerger by running the `java` command. For example:

```

$ COPY *new_license_filename* wldisk:[bea.weblogic81]
$ SET DEFAULT wldisk:[bea]
$ SET FILE/ATTRIBUTE=(RFM:STMLF) *new_license_filename*
$ java -cp ./utils/utils.jar -
_ $ com.bea.plateng.common.registry.LicenseMerger -
_ $ license.bea ./weblogic81/*new_license_filename*

```

The installation and configuration of WebLogic Server 8.1 SP3 on your HP OpenVMS 8.2-1 system is now complete.

Post-Installation Setup Instructions for WebLogic Server

This section provides instructions for the following tasks:

- [Starting WebLogic Server or the WebLogic Server Examples](#)
- [Shutting Down WebLogic Server](#)
- [Configuring the WebLogic Server Node Manager](#)
- [Building Examples with Ant](#)
- [Configuring the Apache Plugins](#)

Starting WebLogic Server or the WebLogic Server Examples

The following procedures are working examples of how to start WebLogic Server on OpenVMS. Start the server as follows:

1. Log in to the `bea` account.
2. Choose one of the following operations and complete the instructions provided under the appropriate heading:
 - [Start WebLogic Server interactively](#)
 - [Start WebLogic Server in detached mode](#)
 - [Start the MedRec Server application](#)
 - [Start the Examples Server](#)
3. Start WebLogic Server interactively
 - a. Run the following commands:

```
$ SET DEFAULT BEA_HOME:[user_projects.domains.mydomain]
$ @startWebLogic
```
 - b. When prompted, enter the required information:

```
Enter the WebLogic Server username:
Enter the Weblogic Server password:
```

Note: Enter the same username and password you supplied during installation.

When WebLogic Server is ready to run your application, the following message is displayed:

```
<Notice> <WebLogicServer> <BEA-000360> <BEA-Server
started in running mode>.
```

To access the console, open a browser and enter the following URL:

```
http://*node-name-here*:7001/console
```

- c. During the startup process, a `startwls_environment.log` is created in the directory.
4. Start WebLogic Server in detached mode

- a. Running WebLogic Server in `DETACHED` mode requires a boot identity file named `boot.properties`. If the file does not already exist, you must create it as per the instructions in the WebLogic Server Administration Console Online Help (<http://e-docs.bea.com/wls/docs81/ConsoleHelp/index.html>). Subsequent server sessions use the encrypted version of the file when starting in `DETACHED` mode.

WebLogic Server encrypts the `boot.properties` file you manually created and writes an encrypted version of that file to the disk when the server is started and is in running mode. Manually purge the original file (containing clear text) from the server's root directory for security purposes:

```
$ PURGE BEA_HOME:[user_projects.domains.mydomain]boot.properties
```

To run detached from the `bea` account:

```
$ SUBMIT -
_ $ BEA_HOME:[user_projects.domains.mydomain]-
_ $ startWebLogicDetached.com
$
```

To run detached from an alternate account (such as `SYSTEM`):

```
$ SUBMIT -
_ $ /USER=bea wldisk:[bea.user_projects.domains.mydomain] -
_ $ startWebLogicDetached.com
$
```

Use of the `/USER` qualifier requires `CMKRNL` (change mode to kernel) privilege and read (R) and write (W) access to the user authorization file (UAF).

- b. WebLogic Server is ready to run your application when the following message can be read in the `startWebLogicDetached.log`:

```
<Notice> <WebLogicServer> <BEA-000360> <BEA-Server started in runnin
g mode>.
```

To access the console, invoke `http://*node-name-here*:7001/console` from your browser.

- c. During startup, a file called `startwls_environment.log` is produced in the `BEA_HOME:[user_projects.domains.mydomain]` directory.

5. Start the MedRec Server application

Avitek Medical Records (MedRec) is a sample WebLogic Server application suite that concisely demonstrates all aspects of the J2EE platform.

Note: The default username (`weblogic`) and password (`weblogic`) are specified in the `startMedRecServer.com` command procedure. If necessary, you may edit this file to change the username or password. Running the MedRec sample is a good way to verify that your installation is complete.

Note: The MedRec Server application accesses the internet. If your server requires a proxy to access the internet, edit the `startMedRecServer.com` command procedure to set `-Dhttp.proxyHost` and `-Dhttp.proxyPort`.

```
$ SET DEFAULT WL_HOME:[samples.domains.medrec]
$ @startMedRecServer
```

Using Internet Explorer, access the MedRec application via:

`http://*node-name-here*:7001/index.jsp`

During startup a file called `startwls_environment.log` is produced in the directory.

6. Start the Examples Server

WebLogic Server Examples demonstrate a variety of tasks using WebLogic Server.

```
$ SET DEFAULT WL_HOME:[samples.domains.examples]
$ @startExamplesServer
```

Then, using Internet Explorer, access the example applications via:

`http://*node-name-here*:7001/examplesWebApp/index.jsp`

Note: The default username (`weblogic`) and password (`weblogic`) can be modified by editing the `startExamplesServer.com` command procedure. Running additional examples is a good way to learn more about using WebLogic Server.

During startup, a file called `startwls_environment.log` is produced in the directory.

Shutting Down WebLogic Server

To shut down WebLogic Server, run the `stopWebLogic.com` command (which is supplied with WebLogic Server):

```
$ @wldisk:[bea.weblogic81]stopWebLogic.com
```

With this command, you may supply the following arguments either interactively, or as parameters on the command line:

- Port number
- WebLogic Server username
- WebLogic Server password
- Confirmation to proceed (Yes/No or Y/N)

Because the username and password are case sensitive, be sure to use quotes around these arguments when supplying them interactively. For example:

```
7001 "username" "password" Y
```

Configuring the WebLogic Server Node Manager

Note: For an overview of the WebLogic Server Node Manager, see <http://e-docs.bea.com/wls/docs81/adminguide/nodemgr.html>

If your deployment of WebLogic Server requires that you start and stop Managed Servers from the WebLogic Server Administration Console, complete the following procedure:

1. Log in to the `bea` account.
2. In a text editor, open the `WL_HOME:[common.nodemanager]nodemanager.hosts` file. Add the IP address of the Administration Server to the end of the file. For example:

```
# localhost, loopback
localhost
127.0.0.1
22.33.44.55
```

3. Start the Node Manager:

```
$ SET DEFAULT WL_HOME:[server.bin]
$ @startNodeManagerProcess
```

A process called `WLS_NODEMANAGER` is created on port 5555.

4. When the Node Manager process is running, invoke the WebLogic Server Administration Console and follow the instructions for two tasks:
 - Configure a Machine to Use Node Manager
 - Configure Startup Arguments for Managed Servers

The instructions for both tasks are available at

<http://e-docs.bea.com/wls/docs81/adminguide/nodemgr.html>

Now you can use the Node Manager to start and stop Managed Servers from the WebLogic Server Administration Console.

Building Examples with Ant

1. Log in to the `bea` account.
2. Set up the Examples environment:
3. To build the example, enter the following command:

```
$ @WL_HOME:[samples.domains.examples]setExamplesEnv.com  
$ SET DEFAULT WL_HOME:[samples.server.examples.src.examples.jndi]
```

```
$ java org.apache.tools.ant.Main
```

Configuring the Apache Plugins

The Apache Plugins are built for use with Version 1.3x of the Apache HTTP Server. For instructions on how to configure the Apache plugins and additional information, see the following URL:

<http://e-docs.bea.com/wls/docs81/plugins>