



# ORACLE® ENTERPRISE PERFORMANCE MANAGEMENT SYSTEM

*Release 11.1.2.1*

## COMPACT DEPLOYMENT



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**Note:** Compact deployment as described in this document is supported only in development environments.

## Overview

To reduce the overall memory requirement and improve the startup time, all Oracle Enterprise Performance Management System Web applications can now be run on a single WebLogic managed server.

**Note:** Oracle Hyperion Financial Close Management and Oracle Hyperion Financial Management Web Services are not part of the compact server.

## Assumptions

This document assumes that you:

- Understand how to install and configure EPM System
- Have installed all Web applications
- Understand how to manage WebLogic domains
- Are using a 64-bit operating system
- Have a new installation of EPM System Release 11.1.2.1

If you are applying a maintenance release from Release 11.1.2.0 to Release 11.1.2.1, you must first apply the maintenance release and get the full environment working before creating a compact server.

- Have created a database or databases
- Have met the prerequisites described in the *Installation Start Here*

## Procedure

### Subtopics

- [Deploying in Compact Mode When Products Are Configured to Use a Single Database](#)
- [Deploying in Compact Mode When Products Are Configured to Use Different Databases](#)

**Note:** Deploying in compact mode activates all EPM System products.

## Deploying in Compact Mode When Products Are Configured to Use a Single Database

- To deploy EPM System in compact mode when all products are configured to use a single database:

- 1 Install EPM System products using Oracle Hyperion Enterprise Performance Management System Installer.**

For more information, see Chapter 3 “Installing EPM System Products” in the *Oracle Hyperion Enterprise Performance Management System Installation and Configuration Guide*.

- 2 Launch Oracle Hyperion Enterprise Performance Management System Configurator using the following command and perform all required configuration tasks. Note that the “Deploy to Application Server” task is not available.**

```
EPM_ORACLE_HOME/common/config/11.1.2.0/configtool-manual.bat
```

```
EPM_ORACLE_HOME/common/config/11.1.2.0/configtool-manual.sh
```

Launching EPM System Configurator with this command hides the Web application deployment tasks.

For more information, see Chapter 4 “Configuring EPM System Products” in the *Oracle Hyperion Enterprise Performance Management System Installation and Configuration Guide*.

- 3 Deploy the compact managed server to WebLogic.**

- a. Create the compact server by entering the following command:

```
EPM_ORACLE_INSTANCE/bin/compact/runCompactDeploy.bat | sh
```

- b. Follow the command-line prompts and enter the required information.

This process creates a new WebLogic domain, and connects to the database you configured.

Note: Compact deployment also supports deploying to an existing WebLogic domain. You should stop the WebLogic Administration Server before deploying in compact mode.

```

C:\ Command Prompt - runCompactDeploy.bat
D:\nas_mount\b_6232\user_projects\epmsystem1\bin\compact>runCompactDeploy.bat
Enter Weblogic Domain name: EPMSYSTEMX
Enter Weblogic Domain user name: epm_admin
Enter Weblogic Domain user password: password1
1 file(s) copied.
Enter Database user password: password1

CLASSPATH=D:\NAS_MO~1\b_6232\patch_wls1034\profiles\default\sys_manifest_classpa
th\weblogic_patch.jar;D:\NAS_MO~1\b_6232\JROCKI~1\lib\tools.jar;D:\NAS_MO~1\b_62
32\WLSERU~1.3\server\lib\weblogic_sp.jar;D:\NAS_MO~1\b_6232\WLSERU~1.3\server\li
b\weblogic.jar;D:\NAS_MO~1\b_6232\modules\features\weblogic.server.modules_10.3.
4.0.jar;D:\NAS_MO~1\b_6232\WLSERU~1.3\server\lib\webservice.jar;D:\NAS_MO~1\b_6
232\modules\ORGAPA~1.1\lib\ant-all.jar;D:\NAS_MO~1\b_6232\modules\NETSFA~1.0_1\1
ib\ant-contrib.jar;D:\NAS_MO~1\b_6232\ORACLE~1\modules\oracle.jrf_11.1.1\jrf-wl
stman.jar;D:\NAS_MO~1\b_6232\ORACLE~1\common\wlst\lib\ADF-SH~1.JAR;D:\NAS_MO~1\b
_6232\ORACLE~1\common\wlst\lib\ADFSCR~1.JAR;D:\NAS_MO~1\b_6232\ORACLE~1\common\w
lst\lib\ndswlst.jar;D:\NAS_MO~1\b_6232\ORACLE~1\common\wlst\RESOUR~1\AUDITW~1.JA
R;D:\NAS_MO~1\b_6232\ORACLE~1\common\wlst\RESOUR~1\IGFWLS~1.JAR;D:\NAS_MO~1\b_62
32\ORACLE~1\common\wlst\RESOUR~1\jps-wlst.jar;D:\NAS_MO~1\b_6232\ORACLE~1\common
\wlst\RESOUR~1\jrf-wlst.jar;D:\NAS_MO~1\b_6232\ORACLE~1\common\wlst\RESOUR~1\OAM
AP~1.JAR;D:\NAS_MO~1\b_6232\ORACLE~1\common\wlst\RESOUR~1\OAMAUT~1.JAR;D:\NAS_M
O~1\b_6232\ORACLE~1\common\wlst\RESOUR~1\ossoiap.jar;D:\NAS_MO~1\b_6232\ORACLE~1
\common\wlst\RESOUR~1\OSSOIA~1.JAR;D:\NAS_MO~1\b_6232\ORACLE~1\common\wlst\RESOU
R~1\OUDWLS~1.JAR;D:\NAS_MO~1\b_6232\ORACLE~1\common\wlst\RESOUR~1\SSLCON~1.JAR;D
:\NAS_MO~1\b_6232\ORACLE~1\common\wlst\RESOUR~1\wsm-wlst.jar

```

- 4 Stop the EPM compact server by entering the following command:

```
MIDDLEWARE_HOME/user_projects/domains/domainName/bin/
stopEPMSYSTEM.bat | sh
```

Note: Ensure that the EPM compact server is up and running before stopping it.

- 5 Launch EPM System Configurator using the `configtool-manual.bat | sh` script from `EPM_ORACLE_HOME/common/config/11.1.2.0`.

- 6 Select the following tasks and enter the required information.

- "Configure Web Server" (for Oracle Hyperion Foundation Services)
- "Essbase Custom Configuration" (for Oracle Hyperion Profitability and Cost Management and Oracle Hyperion Reporting and Analysis)

- 7 Start the EPM System components using the single start script for EPM System.

EPM System Configurator installs a single start script in `EPM_ORACLE_INSTANCE/bin`, called `start.bat | sh`. Running the single start script on a machine in your EPM System deployment starts all EPM System services installed on that machine.

- 8 Use Oracle Hyperion Enterprise Performance Management System Diagnostics to validate the system.

```
EPM_ORACLE_INSTANCE/bin/validate.bat | sh
```

## Deploying in Compact Mode When Products Are Configured to Use Different Databases

- To deploy EPM System in compact mode when products are configured to use more than one database:

- 1 Install EPM System products using Oracle Hyperion Enterprise Performance Management System Installer.

For more information, see Chapter 3 “Installing EPM System Products” in the *Oracle Hyperion Enterprise Performance Management System Installation and Configuration Guide*.

- 2 Launch EPM System Configurator using the following command and perform all required configuration tasks. Note that the “Deploy to Application Server” task is not available.

```
EPM_ORACLE_HOME/common/config/11.1.2.0/configtool-manual.bat
```

```
EPM_ORACLE_HOME/common/config/11.1.2.0/configtool-manual.sh
```

Launching EPM System Configurator with this command hides the Web application deployment tasks.

For more information, see Chapter 4 “Configuring EPM System Products” in the *Oracle Hyperion Enterprise Performance Management System Installation and Configuration Guide*.

- 3 Copy:

```
EPM_ORACLE_HOME/common/templates/compact/emp_system_11.1.2.1.jar
```

to:

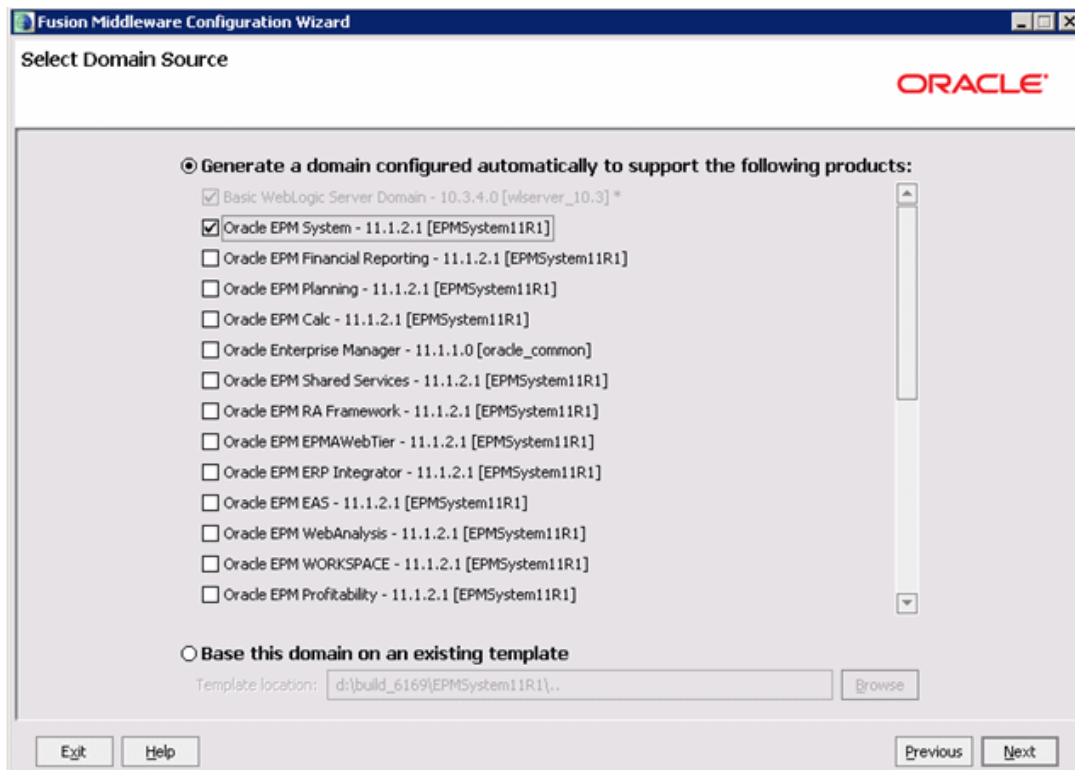
```
EPM_ORACLE_HOME/common/templates/applications
```

- 4 Use the Fusion Middleware Configuration Wizard to create a new EPM System domain:

- a. Launch the Fusion Middleware Configuration Wizard by entering the following command:

```
MIDDLEWARE_HOME/oracle_common/common/bin/config.bat | sh
```

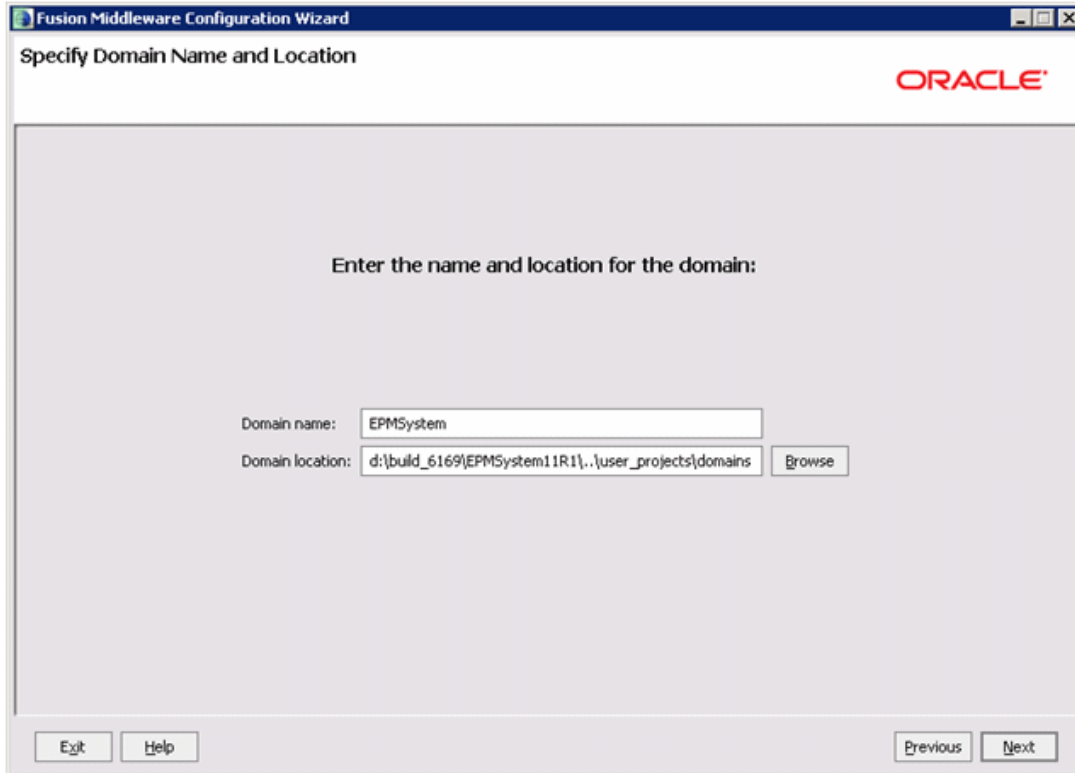
- b. In **Select Domain Source**, select **Generate a domain configured automatically to support the following products**, and then select **Oracle EPM System - 11.1.2.1 [EPMSys11R1]**.



If you do not see **Oracle EPM System - 11.1.2.1[EPMSys11R1]**, you did not copy `EPM_ORACLE_HOME/common/templates/compact/emp_system_11.1.2.1.jar` to `EPM_ORACLE_HOME/common/templates/applications`. (See [step 3](#).)

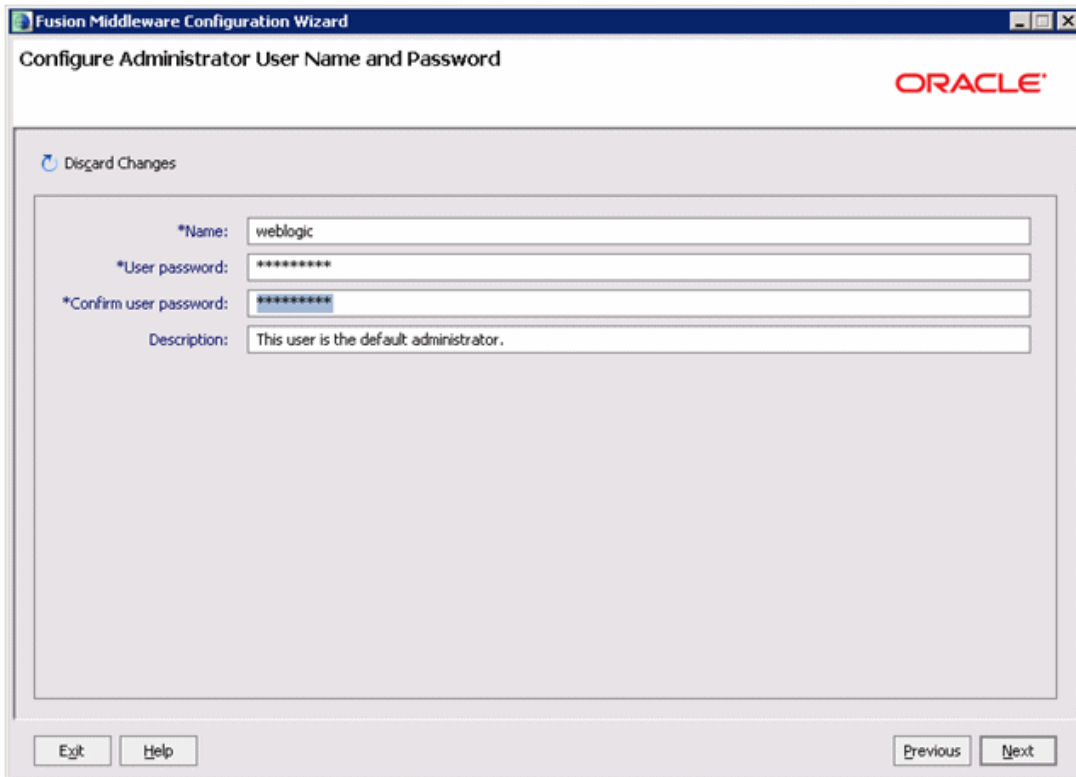
- c. In **Specify Domain Name and Location**, enter the name and the location of your domain.

For example:



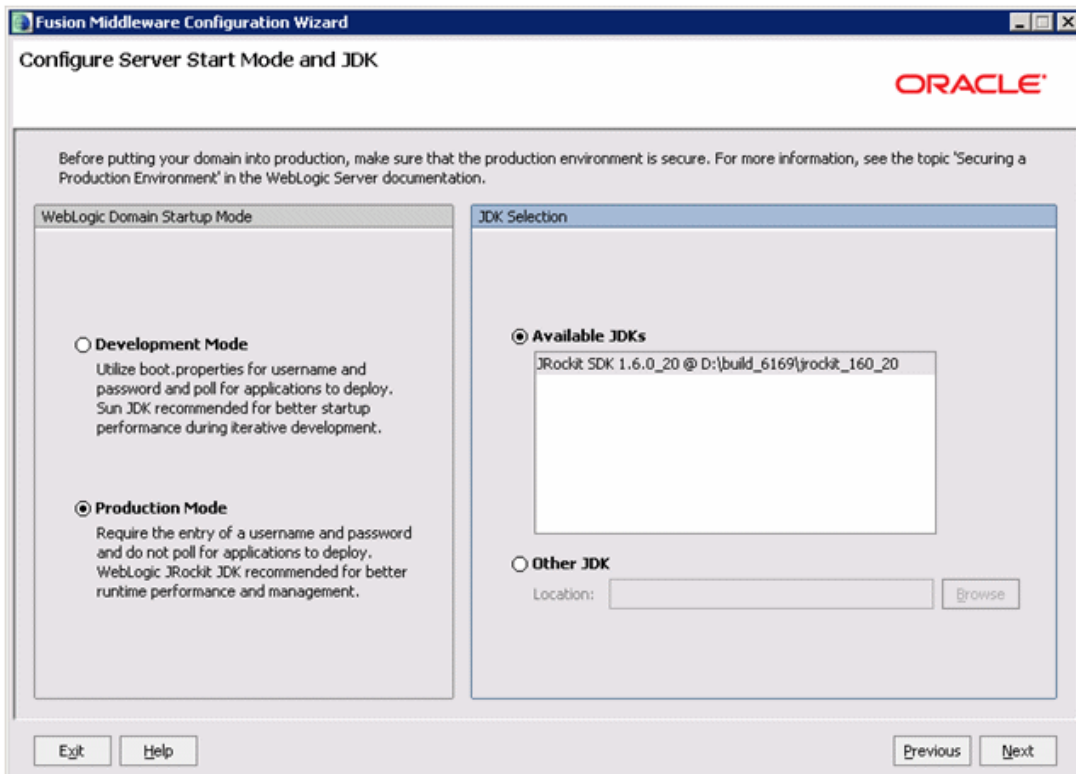
- d. In **Configure Administrator User Name and Password**, enter your Oracle WebLogic Server administrator credentials.

For example:



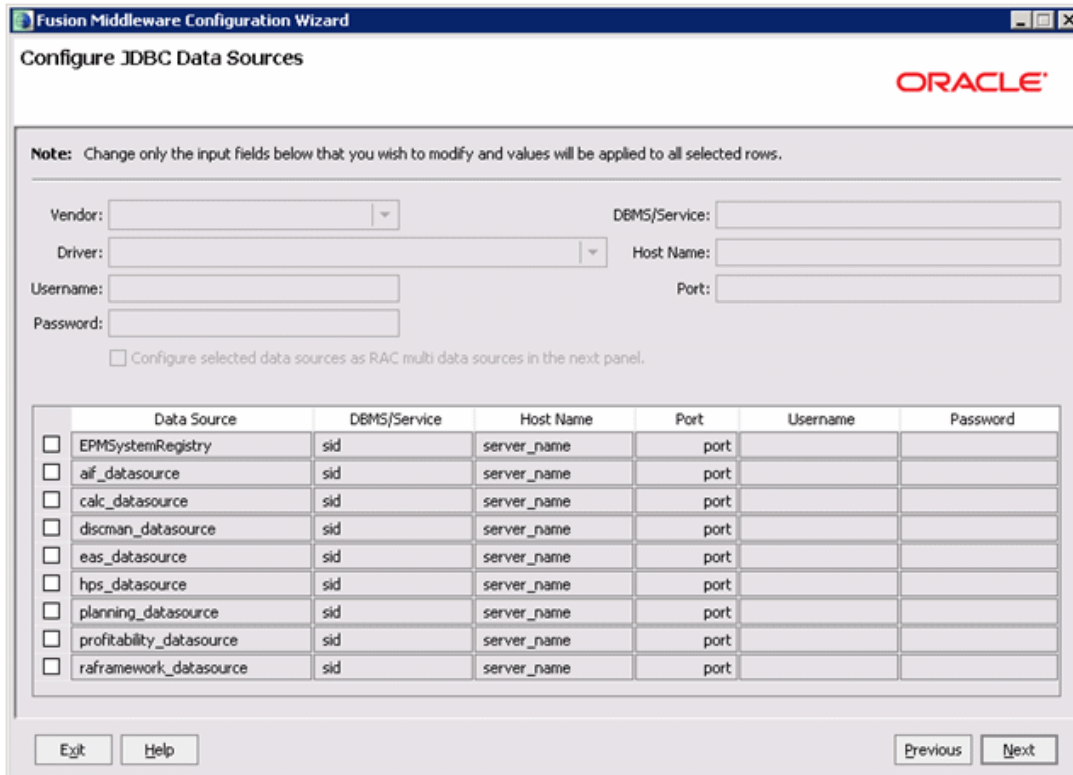
- e. In **Configure Server Start Mode and JDK**, select **Production Mode** and enter the available JDKs.

For example:



- f. In Configure **JDBC Data Sources**, enter database details for all your databases.

For example:



- g. Click **Next** through the rest of the dialog boxes in the Configuration Wizard to create your domain.

**5 Execute the following script to create a boot.properties file for every server in the domain:**

```
MIDDLEWARE_HOME/user_projects/domains/domainName/bin/
processBootProperties.bat | sh
```

**6 In a text editor, open MIDDLEWARE\_HOME/user\_projects/domains/domainName/config/fmwconfig/system-jazn-data.xml. After the last </grant> line in the file, add the following:**

```
<grant>
  <grantee>
    <codesource>
      <url>
        file:${EPM_ORACLE_HOME}/products/Essbase/eas/server/lib/eascsf.jar</url>
      </codesource>
    </grantee>
    <permissions>
      <permission>
        <class>oracle.security.jps.service.credstore.CredentialAccessPermission</
class>
        <name>context=SYSTEM,mapName=CSF_EAS_MAP,keyName=*</name>
        <actions>read,write,update,delete</actions>
      </permission>
    </permissions>
  </grant>
```



```

<grant>
  <grantee>
    <codesource>
      <url>file:${EPM_ORACLE_HOME}/common/CSS/11.1.2.0/lib/css.jar</url>
    </codesource>
  </grantee>
  <permissions>
    <permission>
      <class>oracle.security.jps.service.policystore.PolicyStoreAccessPermission</
class>
      <name>context=APPLICATION,name=*</name>
      <actions>getApplicationPolicy</action>
    </permission>
  </permissions>
</grant>
<grant>
  <grantee>
    <codesource>
      <url>file:${EPM_ORACLE_HOME}/common/jlib/11.1.2.0/lib/registry-api.jar</url>
    </codesource>
  </grantee>
  <permissions>
    <permission>
      <class>oracle.security.jps.service.credstore.CredentialAccessPermission</
class>
      <name>context=SYSTEM,mapName=epm_sys_reg_cred_map,keyName=*</name>
      <actions>read,write,update,delete</actions>
    </permission>
  </permissions>
</grant>

```

**Note:** These changes are also required if you deployed EPM System products to a domain hosted on another machine and the domain was not created with EPM System Configurator.

**7** In a text editor, open `MIDDLEWARE_HOME/user_projects/domains/domainName/config/fmwconfig/jps-config.xml` and make the following changes.

- In the `<serviceInstances>` section, add the following:

```

<serviceInstance name="idstore.loginmodule" provider="jaas.login.provider">
  <description>Identity Store Login Module</description>
  <property name="loginModuleClassName"
value="oracle.security.jps.internal.jaas.module.idstore.IdStoreLoginModule"/>
  <property name="jaas.login.controlFlag" value="REQUIRED"/>
  <property name="debug" value="true"/>
  <property name="addAllRoles" value="true"/>
</serviceInstance>

```

- In the `<jpsContexts/jpsContext name='default'>` section, add `<serviceInstanceRef ref="idstore.loginmodule"/>` as follows:

```

<jpsContext name="default">
  existing rows
  <serviceInstanceRef ref="idstore.loginmodule"/>
  existing rows
</jpsContext>

```

## 8 Create an EPM System property file for a single start script:

- a. Navigate to `EPM_ORACLE_INSTANCE\config\starter`.
- b. Create a file named `EPMSysystem.properties` and add the following lines:

```
port=<port>
start.script=<start_compact_server_script>
checker=port
type=script
host=<host>
stop.script=<stop_compact_server_script>
wait=true
```

where:

`<port>` = Port number of the compact server. Default=9000

`<start_compact_server_script>` = Full path to the compact server startup script.

Note: Characters “.” and “\” should be escaped by adding “\”.

`<stop_compact_server_script>` = Full path to the compact server stop script.

Note: Characters “.” and “\” should be escaped by adding “\”.

For example:

```
port=9000
start.script=C:\Oracle\\Middleware\user_projects\domains\EPMSysystem\bin
\startEPMSysystem.bat
checker=port
type=script
host=localhost
stop.script=C:\Oracle\\Middleware\user_projects\domains\EPMSysystem\bin\
\stopEPMSysystem.bat
wait=true
```

## 9 Start the WebLogic Administration Console by entering the following command:

```
MIDDLEWARE_HOME/user_projects/domains/domainName/bin/
startWebLogic.cmd|sh
```

## 10 Launch the EPM compact server by entering the following command:

```
MIDDLEWARE_HOME/user_projects/domains/domainName/bin/
startEPMSysystem.bat|sh
```

## 11 Stop the EPM compact server by entering the following command:

```
MIDDLEWARE_HOME/user_projects/domains/domainName/bin/
stopEPMSysystem.bat|sh
```

Note: Ensure that the EPM compact server is up and running before stopping it.

## 12 Launch EPM System Configurator using `configtool-manual.bat` from `EPM_ORACLE_HOME/common/config/11.1.2.0`.

## 13 Select the following tasks and enter the required information.

- "Configure Web Server" (for Oracle Hyperion Foundation Services)

- "Essbase Custom Configuration" (for Oracle Hyperion Profitability and Cost Management and Oracle Hyperion Reporting and Analysis)

**14 Start the WebLogic Administration Console and then the EPM System components using the single start script for EPM System.**

Oracle Hyperion Enterprise Performance Management System Configurator creates a single start script in `EPM_ORACLE_INSTANCE/bin`, called `start.bat|sh`. Running the single start script on a machine in your EPM System deployment starts all EPM System services installed on that machine.

**15 Use Oracle Hyperion Enterprise Performance Management System Diagnostics to validate the system.**

`EPM_ORACLE_INSTANCE/bin/validate.bat|sh`

## Troubleshooting

If you have problems deploying Oracle Enterprise Performance Management System in compact mode, see the `epmsvr0.log` file located in `user_projects\domains\EPMSys\servers\EPMSvr0\logs`.

## COPYRIGHT NOTICE

EPM System Compact Deployment, 11.1.2.1

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