



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\NETSPA~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:

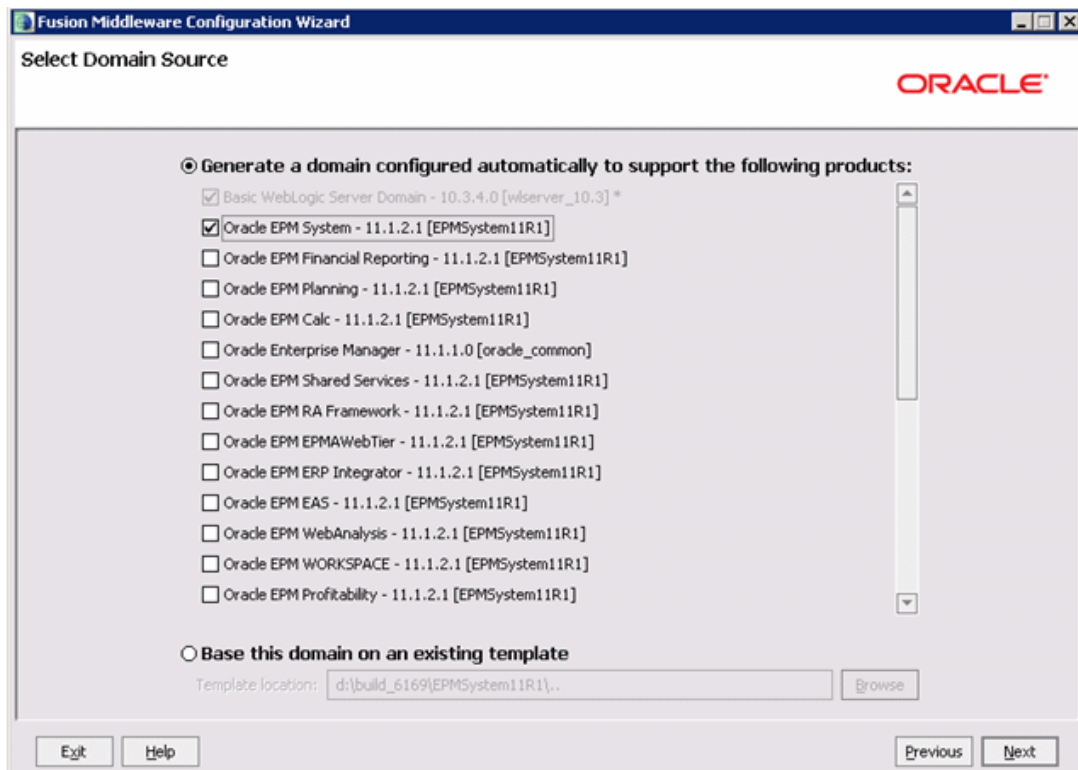
```
EPM_ORACLE_HOME/common/templates/applications
```

- 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
```

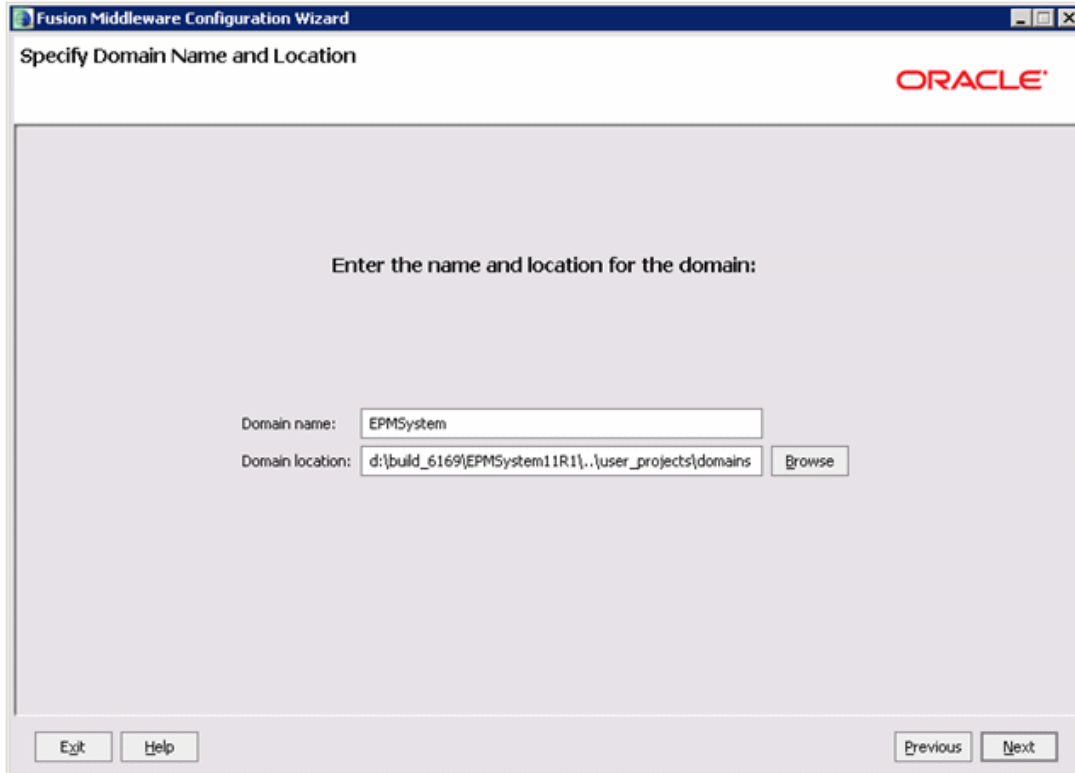
- b. In **Select Domain Source**, select **Generate a domain configured automatically to support the following products**, and then select **Oracle EPM System - 11.1.2.1 [EPMSystem11R1]**.



If you do not see **Oracle EPM System - 11.1.2.1[EPMSystem11R1]**, 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](#).)

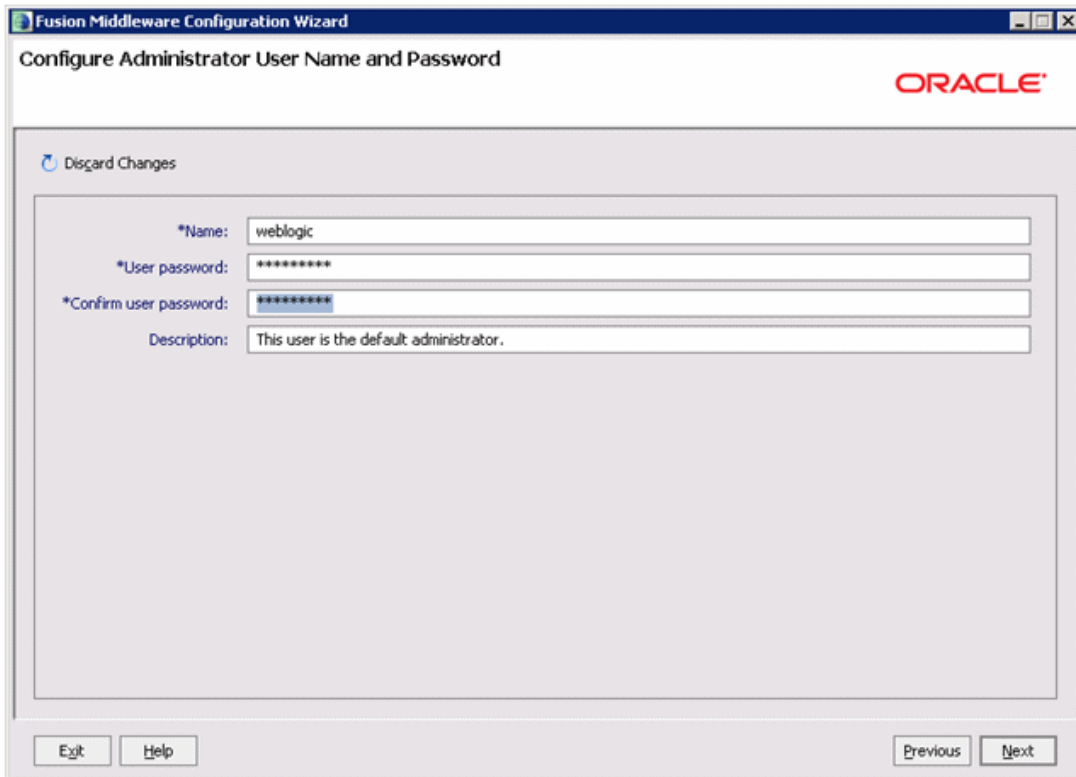
- c. In **Specify Domain Name and Location**, enter the name and the location of your domain.

For example:



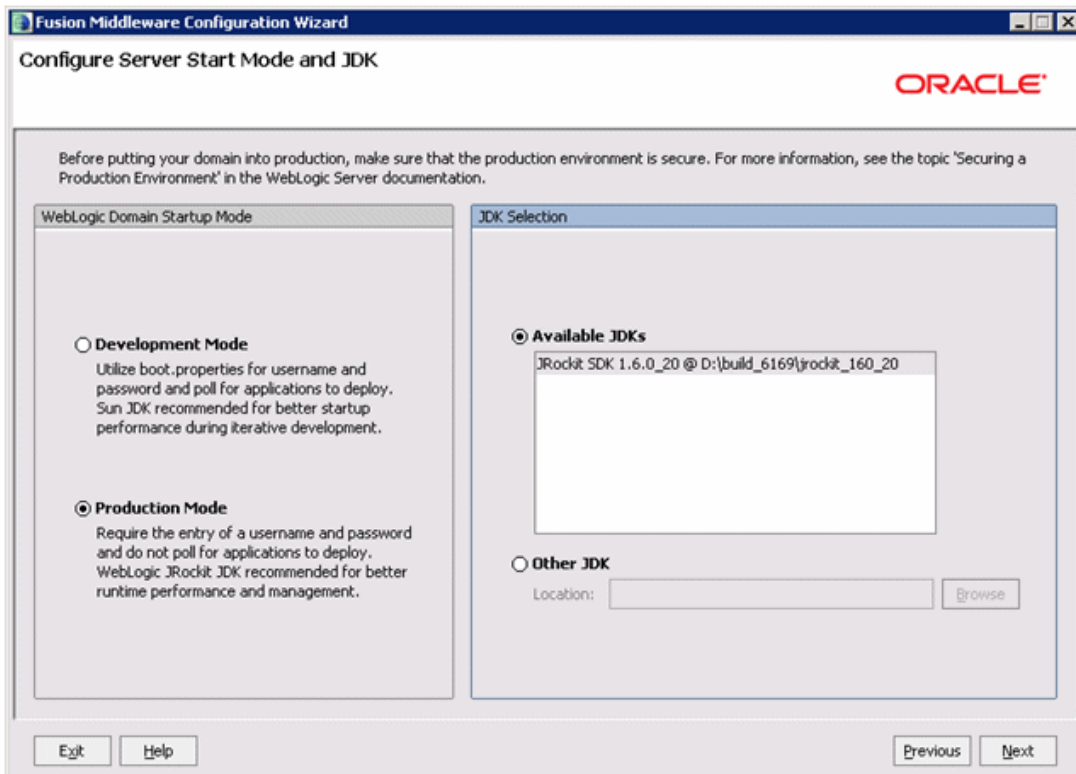
- d. In **Configure Administrator User Name and Password**, enter your Oracle WebLogic Server administrator credentials.

For example:



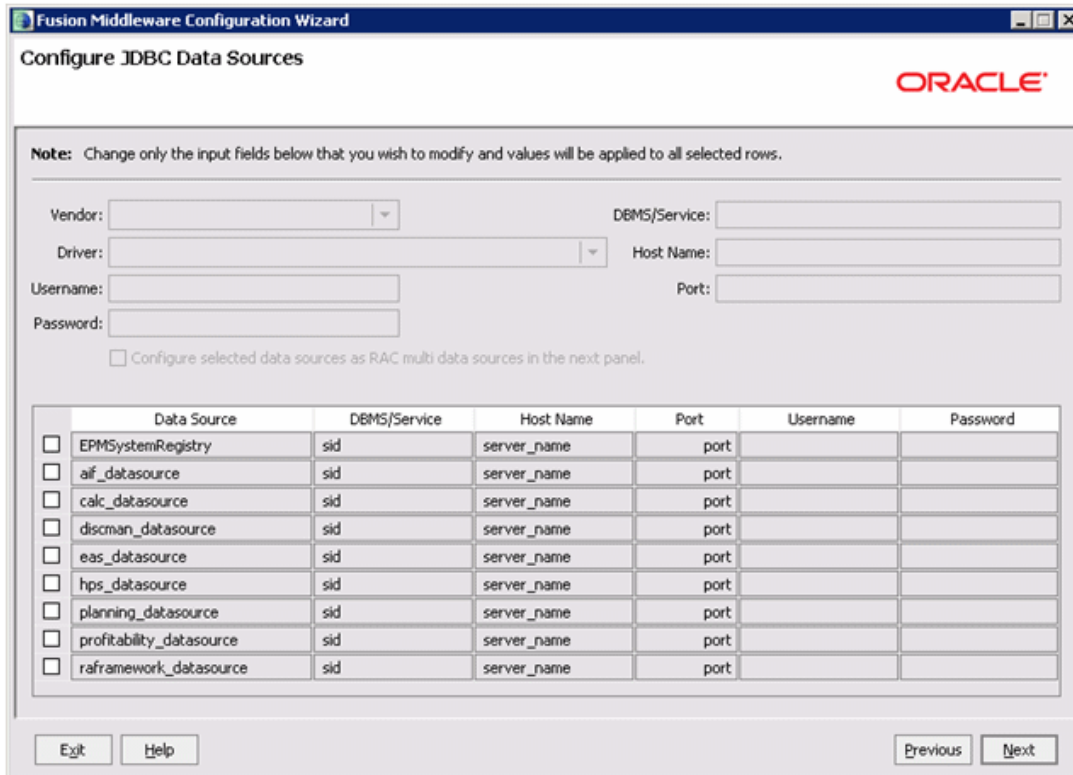
- e. In **Configure Server Start Mode and JDK**, select **Production Mode** and enter the available JDKs.

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`.

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EPM System Compact Deployment, 11.1.2.1

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