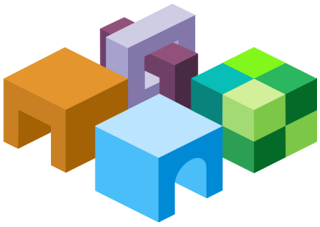


ORACLE® ENTERPRISE PERFORMANCE MANAGEMENT SYSTEM

Release 11.1.2.1

COMPACT DEPLOYMENT

ORACLE
ENTERPRISE PERFORMANCE MANAGEMENT SYSTEM

CONTENTS IN BRIEF

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

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.**

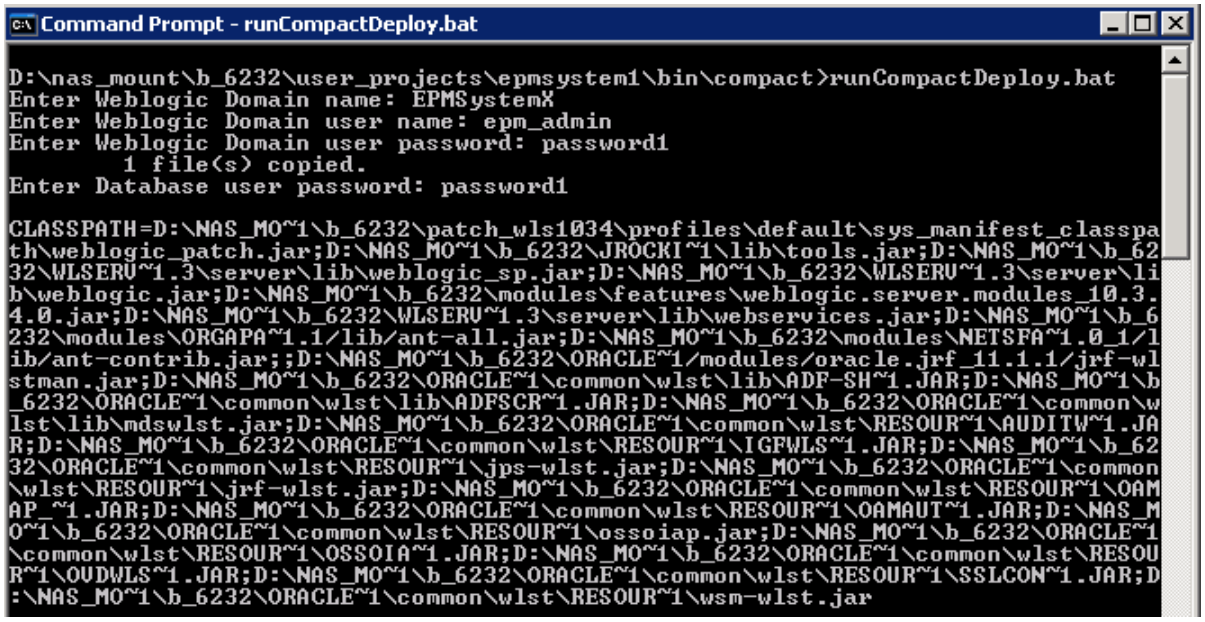
a. Create the compact server by entering the following command:

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.



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:

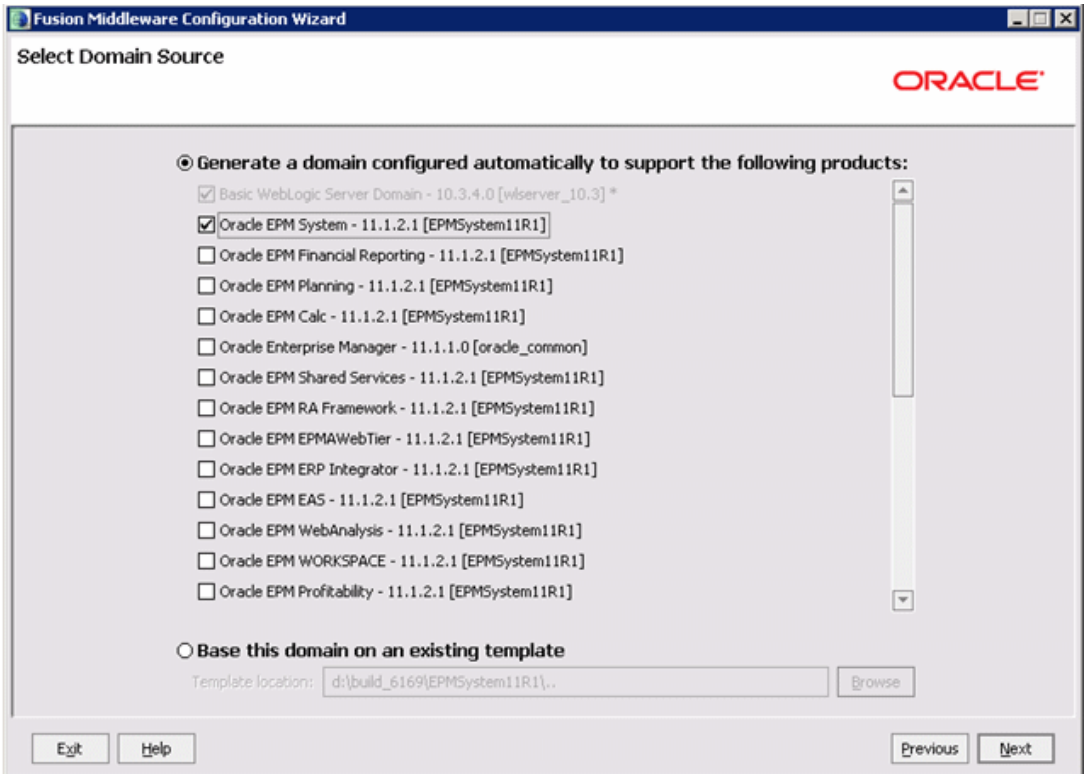
EPM_ORACLE_HOME/common/templates/applications

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

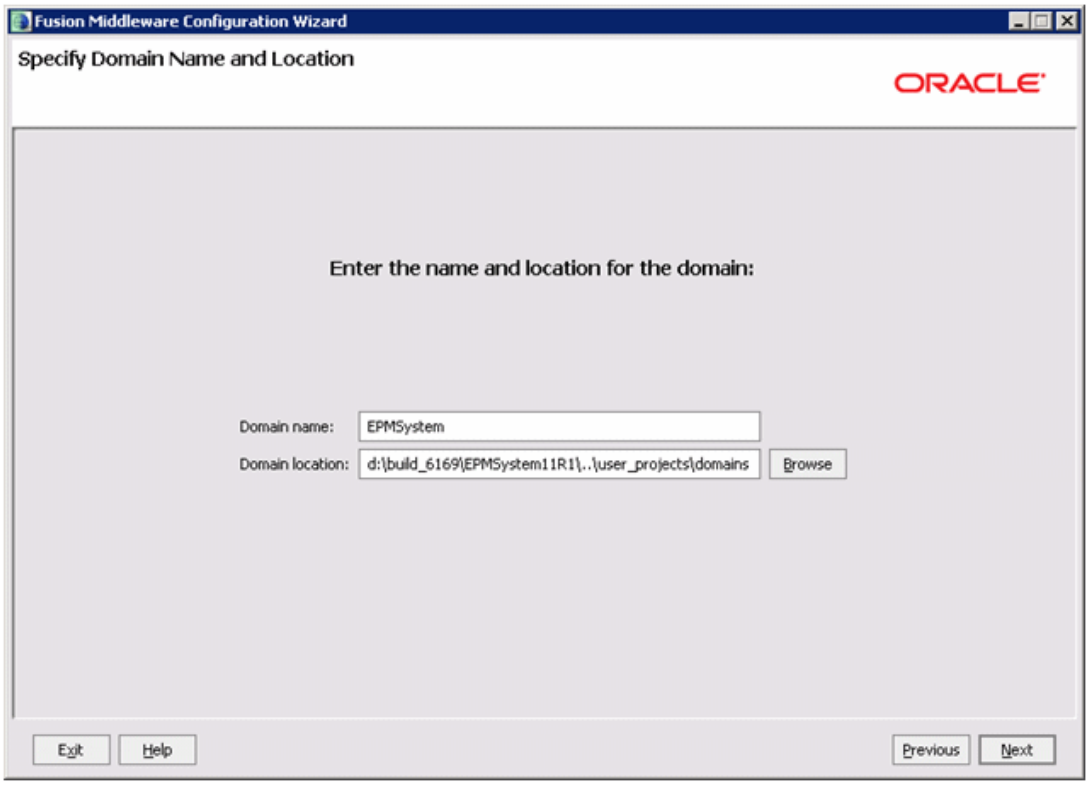
b. In **Select Domain Source**, select **Generate a domain configured automatically to support the following products**, and then select **Oracle EPM System - 11.1.2.1 [EPMSystem11R1]**.



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.)

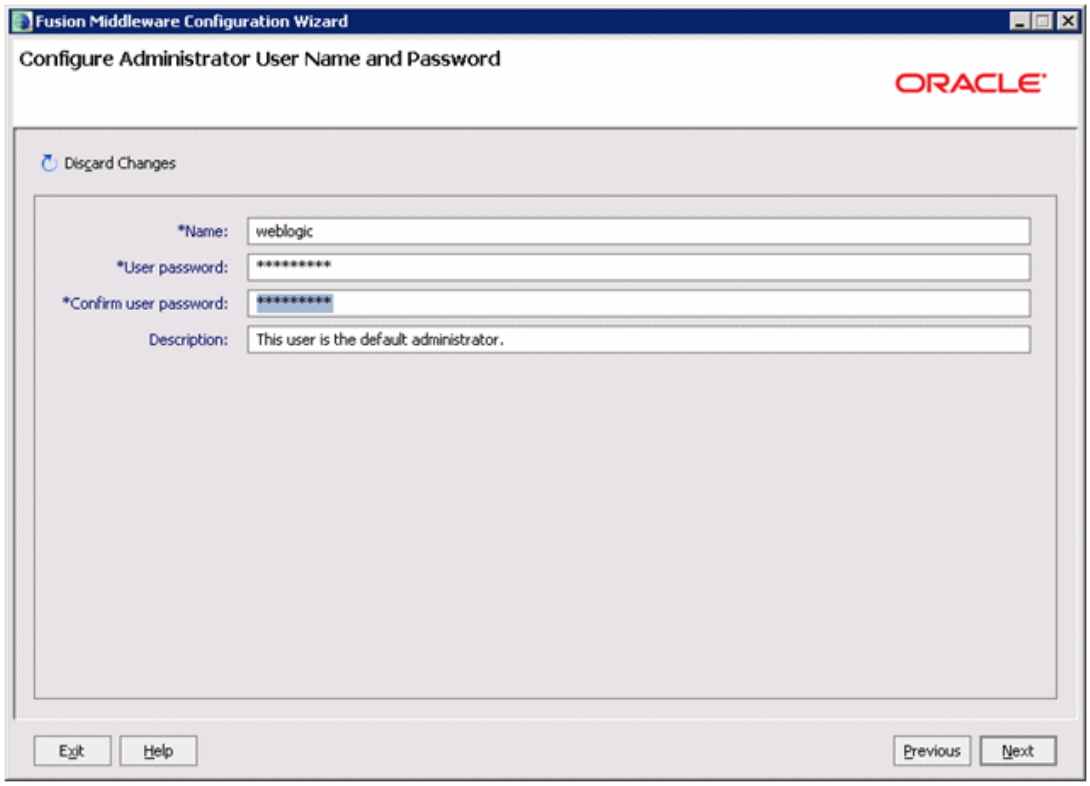
c. In **Specify Domain Name and Location**, enter the name and the location of your domain.

For example:



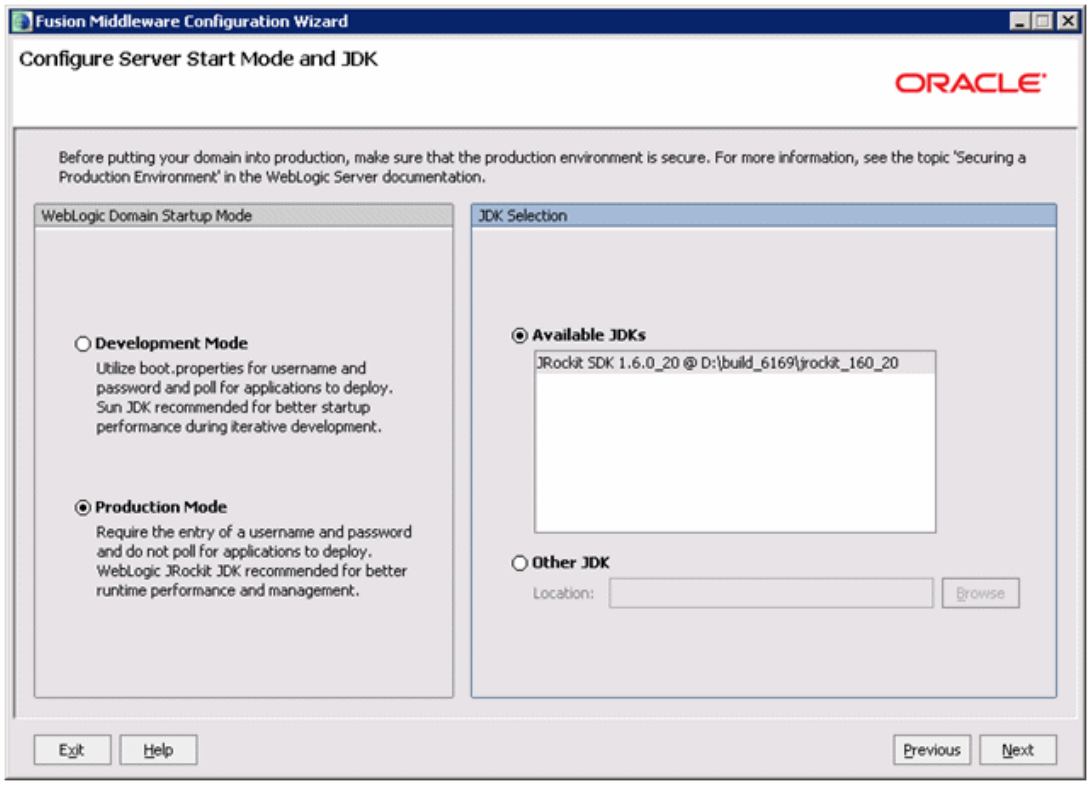
d. In **Configure Administrator User Name and Password**, enter your Oracle WebLogic Server administrator credentials.

For example:



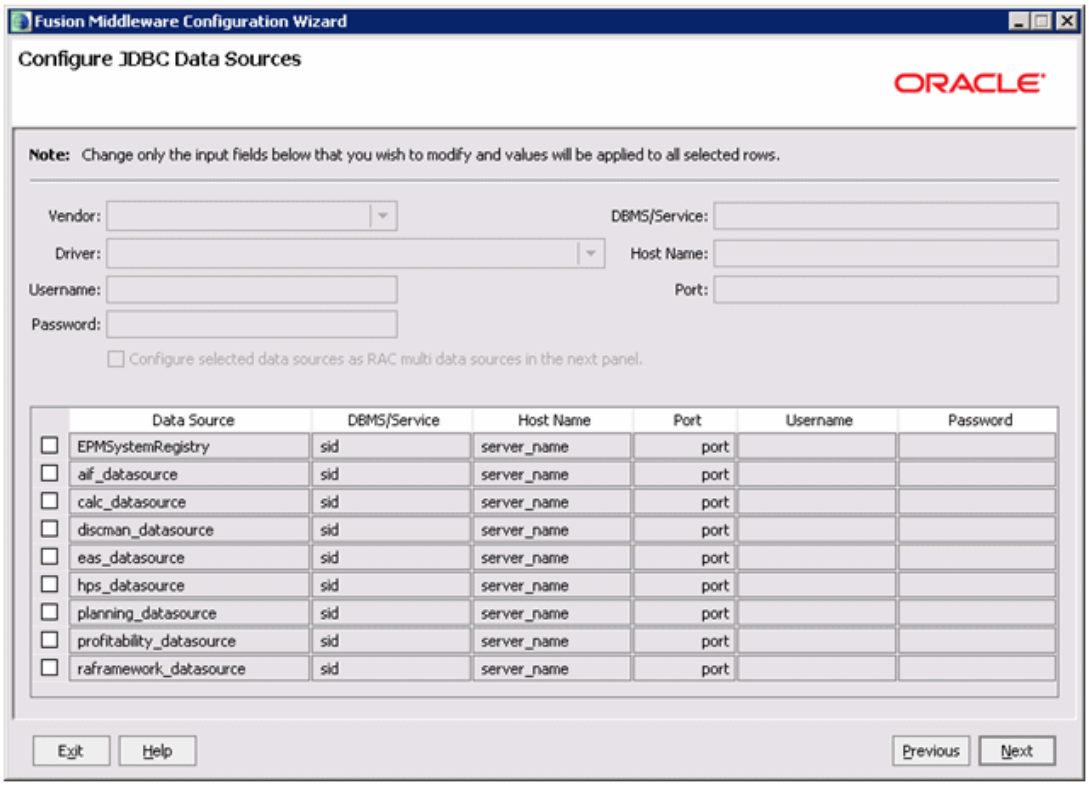
e. In **Configure Server Start Mode and JDK**, select **Production Mode** and enter the available JDKs.

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 EPMSystem.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\\EPMSystem\bin
\startEPMSystem.bat
checker=port
type=script
host=localhost
stop.script=C\:\\Oracle\\Middleware\\user_projects\\domains\\EPMSystem\\bin\
\stopEPMSystem.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/
startEPMSystem.bat|sh

11 **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.

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 epmserver0.log file located in user_projects\domains\EPMSystem \servers\EPMServer0\logs.

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EPM System Compact Deployment, 11.1.2.1

Authors: EPM Information Development Team

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