Monitoring Oracle® Enterprise Performance Management System Release 11.1.2.3 Deployments from Oracle Enterprise Manager 12c

This document describes how to set up Oracle Enterprise Manager 12c to monitor Oracle Enterprise Performance Management System Release 11.1.2.3 products.

Adding Host Targets to Enterprise Manager

1. Log in to Enterprise Manager 12c as sysman user and add a host target manually by selecting Setup, then Add Target, and then Add Targets Manually.
2. In the “Add Targets Manually” page, select **Add Host Targets** and then click **Add Host…**

3. In the “Host and Platform” page, click + **Add**.
4. Enter the **Host** name and select the **Platform** for the machine hosting EPM System Release 11.1.2.3 products, and then click **Next**.

5. In the “Installation Details” page, in **Installation Base Directory**, specify a directory for the agent installation. This folder will be created for you. If the folder already exists, it should be empty. If necessary, update the default value in **Port**. Review the directory in **Instance Directory** and change it if necessary.
6. Click + next to **Named Credential** and in the “Create New Named Credential” page, specify the host credentials, click **OK**, and then click **Next**.

7. In the “Review” page, click **Deploy Agent**.
8. Management Agent installation is initiated on the specified host.

After all prerequisite checks have passed, the Management Agent is installed and configured on the specified host.
9. After the Management Agent is successfully deployed, review the “Confirmation” screen.

10. Navigate to the Enterprise Manager Home page, and add a middleware target by selecting Targets, and then Middleware.
11. In the “Middleware” page, from the + Add menu, select Oracle Fusion Middleware/WebLogic Domain.

12. In the “Find Targets” page, specify the WebLogic Administration Server details for the machine hosting EPM System. (Make sure the Administration Server is running.) Then, select the appropriate agent for the host by clicking the magnifying glass icon next to Agent. Review the
13. In the “Confirmation” window, click Close.
14. In the “Assign Agents” page, click **Add Targets**.

15. In the “Confirmation” page, review the confirmation, and then click **Close**.
16. In the “Results” page, review the results of the target addition, and then click OK.

17. The targets are now added and available for monitoring in Enterprise Manager.
Adding a Job (OS command) For the Targets

EPM System Release 11.1.2.3 provides scripts to start and stop services. You can configure to use the scripts from Enterprise Manager Console using the following procedure.

1. In the Enterprise Manager Console, from the Enterprise menu, select Job, and then select Library.
2. The “Job Library” page lists the available library jobs. To create a new library job to run a script, from the Create Library Job list, select OS Command and then click Go.

3. In the “Create ‘OS Command’ Library Job” page, in the General tab, enter the job name and description and for the required target type, select Host.
4. Click **Add** to specify the target type and on the “Targets” page, select the required host target from the list.

![Image of Oracle Enterprise Manager - Search and Select: Targets](https://sk00ymp.us.oracle.com:5418/cm/console/targets/targetSelection?event=search&siteID=f2c30609)

<table>
<thead>
<tr>
<th>Select All</th>
<th>Select None</th>
<th>Type</th>
<th>Host</th>
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<td><strong>Host</strong></td>
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<td><strong>Host</strong></td>
<td><strong>sk00lkm.us.oracle.com</strong></td>
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5. Click the “Parameters” tab and provide the full path for the script to be invoked. Specify any additional parameters needed as well.
6. Click the “Credentials” tab and then select Named to review the named credential for the host that you already created. If required, you can create a new host by selecting New.

7. To schedule the job, click the Schedule tab and enter the schedule details.
8. If access to the job needs to be provided for specific Enterprise Manager users, click the “Access” tab. You can also specify email notification if required, if the email was set up for the user from the Setup->Notification menu.

9. Click Save to Library to create the library job. The job displays in the “Job Library” page.
10. To run the job, select the newly created job and click **Submit**.

11. A unique Name is used for the job to identify the execution. You can edit any of the job properties in the Job Library page as required. Submit the job by clicking **Submit**.
12. A confirmation page appears with the job name as a link in the message. Clicking it provides job details as shown in Step 15.

13. You can also navigate to the Enterprise menu and select Jobs, and then Activity to track jobs status.
14. Jobs are listed on the job activity page according to status. To list all the jobs, select **All** from the **Status** list, and then click **Go**. The **STARTALL.1** job submitted earlier is seen in running state below. The job names appear as a link. Click the job name to get the details for the job.

15. The job details are shown in the resulting page. Click the **Show** link for details.
Creating Systems

You can create systems to group targets together and centrally monitor EPM System products even if they are on different hosts.

1. In Enterprise Manager, from the **Targets** menu, select **Systems**.
2. In the “Systems” page, from the **Add** menu, select **Generic System**.

3. Specify a name for the system and then click + **Add** to add member targets.
4. Select the required target type for the EPM System product to be monitored from the list. The example here uses SharedServices ‘Application Deployment‘ target.
After selecting the target, click **Next** to continue.

5. On the “Define Associations” page, you can create target associations for the system if multiple targets are present.
6. Click **Next** and on the **Availability Criteria** page, define availability criteria for the targets in the system. The system’s member targets appear in the **Members** box; move targets to the **Key Members** box and then click **Next**.

7. On the “Charts” page, add or edit charts to be displayed and then click **Next**.
A sample chart that you can add for Application Deployment target is shown below.

8. On the “Review” page, review your inputs and then click Finish.

Creating Services

A Service is used to model and monitor a business process or application in Enterprise Manager. Use the following procedure to create a service to monitor the EPM System Release 11.1.2.3 System target created earlier.

1. In Enterprise Manager, from the Targets menu, select Services.
2. In the “Services” page, select **Create** and then select **Generic Service**.
3. Specify a name and select a time zone for the service. Click **Select System** to add the System you created.

From the list of available system targets, select the system created for EPM System Release 11.1.2.3.
4. After selecting the system, review and then click Next.
5. On the “Availability” page, define availability criteria for the service. From **Define availability based on**, select **Service Test** and then click **Next**.
6. On the “Service Test” page, specify availability criteria for the target. This example defines an HTTP ping as the test using the Shared Services URL.

7. On the “Beacons” page, you can add a beacon, which is an Enterprise Manager component that runs the test at periodic intervals. Click Add.
8. On the “Select Beacons” page, select **EM Management Beacon**.

9. On the “Beacons” page, click **Next**.
10. On the “Performance Metrics” page, define performance metrics based on the test defined. Select as required and then click Next.
11. On the “Usage Metrics” page, define Service Usage metrics based on the system components metrics.

12. Click Add and select the metric required for the targets. The example here shows ‘Connection Pool Size’ for Shared Services Application Deployment target. After adding a metric, click Continue.
13. In the “Usage Metrics” page, click **Next**.

14. On the “Review” page, review your inputs, and then click **Finish**.
15. On the “Confirmation” page, review the service addition.
16. By clicking the service target, you can monitor the system’s availability and performance metrics, configuration, and so on from Enterprise Manager.

17. Click the system that you created earlier to see its performance metrics and log messages. In this example: Expand the “EPM 11.1.2.3” system. The member targets that are WebLogic Application Deployments are displayed. The Planning application is shown in this example.
18. Click the member target’s link to see the home page for the member target with a performance summary, Start Up and Shut down controls, and other details.

19. To view logs for this member target, select Application Deployment, then Logs, and then View Log Messages.

21. Select the message type and define the interval for which to query log messages for this component.
22. Click Target Log Files... to see log files corresponding to specific targets.

23. The resulting page lists all the log files. You can view or download a particular log file.
24. In the sample below, the SharedServices_Security.log is selected. Click View Log File.

25. The resulting screen shows the contents of the selected log file.
26. You can see performance metrics by clicking **Application Deployment**, then **Monitoring**, and then **Performance Summary**.

27. The resulting page displays the metrics.

Similarly, operations, log messages and metrics can be accessed at the Domain, Server, and Application Deployment levels for EPM System products by navigating to the appropriate targets in these pages. The WebLogic Administration Server must be running for some operations such as Log Viewing, Server Start Up and Shut Down, and so on.