
Oracle's® Hyperion® Shared Services

Release 11.1.1.1

Readme

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Purpose

This document includes important, late-breaking information about this release of Oracle's Hyperion® Shared Services. Review this information thoroughly before installing Shared Services.

New Features

This section describes the new features introduced in Shared Services Release 11.1.1.x.

Installation and Configuration

The new Oracle Hyperion Enterprise Performance Management System Installer, Fusion Edition and Hyperion Enterprise Performance Management System Configurator provide a streamlined and simplified approach to product installation, upgrade, and configuration. EPM System Configurator uses the new Hyperion Shared Services Registry, which simplifies product configuration by storing and re-using configuration information.

Hyperion Enterprise Performance Management System Diagnostics confirms that product components were successfully installed, configured, and are up and running.

The reorganized installation and configuration documentation set reduces the number of installation guides and makes it easier to find the information you need. Individual product installation guides are replaced by the following guides:

- *Oracle Hyperion Enterprise Performance Management System Installation Start Here*
- *Oracle Hyperion Enterprise Performance Management System Installation and Configuration Guide*
- *Oracle Hyperion Enterprise Performance Management System Security Administration Guide*

You might also need to use one or more of the following guides:

- *Oracle Hyperion Enterprise Performance Management System Manual Deployment Guide*
- *Oracle Hyperion Enterprise Performance Management System High Availability Guide*
- *Oracle Hyperion Enterprise Performance Management System Installation and Configuration Troubleshooting Guide*
- *Oracle Hyperion Enterprise Performance Management System Backup and Recovery Guide*
- *Oracle Hyperion Enterprise Performance Management System Lifecycle Management Guide*
- *Oracle Hyperion Enterprise Performance Management System SSL Configuration Guide*

Security Administration

Shared Services provides a platform to secure and administer Oracle Enterprise Performance Management System components. Shared Services new features:

- Support for Oracle Identity Management Suite and Oracle Access Management Suite
- Kerberos authentication for web applications accessed through browsers
- Single Sign-on enhancements, with support for custom HTTP login module and additional security agents
- Use of Oracle Internet Directory as an optional replacement of OpenLDAP as the Native Directory, providing password policy management capabilities
- Enhancements to external user directory configuration, such as support for DNS lookup for Domain Controller failover
- Security audit functionality to centralize security related events such as authentication and provisioning across applications
- Shared Services High Availability through Oracle Clusterware support

- Updating EPM System security when migrating users across user directories; for example, from NTLM to MSAD
- Support for the Unicode version of SAP
- Usability enhancements, such as the following:
 - Search for users by first name or last name
 - Easily delete applications and application groups
 - Provisioning of applications that are not assigned to application groups

For detailed information about EPM System Security Administration, see the *Oracle Hyperion Enterprise Performance Management System Security Administration Guide*.

Lifecycle Management

Lifecycle Management provides a consistent way for EPM System products to migrate an application, a repository, or individual artifacts across product environments and operating systems.

Generally, the Lifecycle Management interface is consistent for all EPM System products that support Lifecycle Management. However, EPM System products display different artifact listings and export and import options in the Lifecycle Management interface.

Lifecycle Management features:

- Viewing applications and directories
- Searching for artifacts
- Migrating directly from one application to another
- Migrating to and from the file system
- Saving and loading migration definition files
- Viewing selected artifacts
- Auditing migrations
- Viewing the status of migrations
- Importing and exporting individual artifacts for quick changes on the file system

In addition to providing the Lifecycle Management interface in Shared Services Console, there is a command-line utility called Lifecycle Management Utility that provides an alternate way to migrate artifacts from source to destination. The Lifecycle Management Utility can be used with a third-party scheduling service such as Windows Task Scheduler or Oracle Enterprise Manager.

Lastly, there is a Lifecycle Management Application Programming Interface (API) that enables users to customize and extend the Lifecycle Management functionality.

For detailed information about Lifecycle Management, see the *Oracle Hyperion Enterprise Performance Management System Lifecycle Management Guide*.

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Known Issues

The following issues are the noteworthy known issues of this release.

General

- Import operations fail in SSL-enabled environments where the default Oracle HTTP Server (version 1.3) used by Oracle Application Server (OC4J instance) is fronted by another Oracle HTTP Server.
[7432068] and [7432074]

Excepting the default Oracle HTTP Server used by the OC4J instance, upgrade Oracle HTTP Server to version 10.1.3.4 and apply interim Oracle patch p7159417.

- EPM System release 11.1.1.x is the last release to support Windows NT LAN Manager (NTLM) as a user directory. In release 11.1.1.1 only, Shared Services allows you to use an NTLM external user directory configuration that is upgraded from a previous release. You can update the parameters of an upgraded NTLM external user directory configuration. You cannot, however, define a new NTLM external user directory.

Security Administration

- Security configuration info (`css.xml`) is saving incorrectly.
[8275675]
- In SSL-enabled environments, the provisioning of users throws an error if Shared Services is accessed using Internet Explorer 6 (IE6). This error occurs if the Display Mixed Content security setting in IE6 is set to Prompt.
[7332617]

Workaround: Reset the Display Mixed Content internet security setting to Disable.

1. Launch IE6.
 2. Select **Tools**, then **Internet Options**.
 3. Click the **Security** tab.
 4. Select the **Internet** Web Content Zone.
 5. Click **Custom Level**.
 6. Under the **Miscellaneous** section is a setting for **Display mixed content**. Scroll to this setting and select **Disable**.
 7. Click **OK**, then click **OK** again.
 8. Close the browser and reopen it.
- SSL-enabling Shared Services does not SSL-enable Workflow. To SSL-enable Workflow, add `sslEnabled=true` in `Hub.properties` used by Shared Services. Generally, the location of `Hub.properties` is `HYPERION_HOME/deployments/APPLICATION_SERVER/SharedServices9/config`. For example, if Shared Services is deployed on Embedded Java Container, the location of `Hub.properties` is `HYPERION_HOME/deployments/Tomcat5/SharedServices9/config`.
[7576176]
 - If you are using 11.1.1.x products with 9.3.0.x or 9.2.0.x products, do not change the identity attribute for security configurations to anything other than Distinguished Name (DN).
[7121792]
 - The process for migrating native Essbase and Reporting and Analysis users to Shared Services may encounter performance issues.
[7192956]

Use the following steps to speed up the migration process:

1. Create a backup copy of `HYPERION_HOME/products/Foundation/OpenLDAP/slapd.conf`. Name the backup copy `slapd_backup.conf`.
2. Using a text editor, open `HYPERION_HOME/products/Foundation/OpenLDAP/slapd.conf`.

3. Comment out the following line:
`index cssDisplayNameDefault,cssRoleIdentity,cssMemberIdentity eq,sub.`

For example:

```
# index cssDisplayNameDefault,cssRoleIdentity,cssMemberIdentity eq,sub
```

4. Add the following as a new line after the line that you commented out.

```
index ssDisplayNameDefault eq,sub
```

5. Save `slapd.conf`.

6. Stop OpenLDAP.

7. Open a command window and navigate to
`HYPERION_HOME/products/Foundation/OpenLDAP`.

8. Run the following command:
`slapindex -f slapd.conf -b dc=css,dc=hyperion,dc=com`

9. Start OpenLDAP.

10. Perform user and group migration from the product (Essbase or Reporting and Analysis). See product documentation for detailed procedures.

11. Confirm that the migration process was successfully completed.

12. Stop OpenLDAP service.

13. Delete `HYPERION_HOME/products/Foundation/OpenLDAP/slapd.conf`.

14. Rename `HYPERION_HOME/products/Foundation/OpenLDAP/slapd_backup.conf` to
`HYPERION_HOME/products/Foundation/OpenLDAP/slapd.conf`.

15. Open a command window and navigate to
`HYPERION_HOME/products/Foundation/OpenLDAP`.

16. Run the following command:
`slapindex -f slapd.conf -b dc=css,dc=hyperion,dc=com`

17. Start OpenLDAP.

- Kerberos single sign-on authentication does not work if EPM System products are hosted on WebSphere application server version 6.1.0.7 (due to a known bug in WebSphere 6.1.0.7). You must use WebSphere version 6.1.0.17 or greater to host EPM System products if you are setting up EPM System products for Kerberos single sign-on.

[7168979]

- Search for users and groups fail in a Novell eDirectory that is configured using DN as the identity attribute and alias as User URL or Group URL.

[7208709]

Use one of these workarounds to solve this issue:

- Use GUID as the Identity Attribute.
- If you need to retain DN as the identity attribute, ensure that the group aliases and group accounts are available within the group URL. Similarly, if you use user aliases, ensure that the user aliases and accounts are available within the user URL.
- Shared Services must be restarted more than once to synchronize manual changes made to Shared Services registry entries.

[7451207]

Oracle recommends that all Shared Services configuration changes be made using the Shared Services Console.

- HREG application is not added to native directory when Oracle Internet Directory (OID) is configured as the native directory.
[7460434]
Synchronize native directory with Shared Services repository.
- The custom login implementation of EPM System security does not support usernames containing * (asterisk). If you are using a custom authentication module for authenticating users to EPM System, ensure that the custom module does not return a user name containing an asterisk.
[7115927]

Lifecycle Management

Shared Services

- Lifecycle Management does not support exporting the Deployment Metadata node. Exportation problems may occur if the depth of the nodes causes a cumulative path that exceeds 256 characters.
[8218798]
- If the Deploy after Import Performance Management Architect import option is selected, an error occurs and a warning message displays for several minutes after the deployment occurs. This is because the deployment can take time and the application is not available until the deployment is complete.
[7278193]
Workaround: Wait for approximately five minutes after the deployment to view the artifact listing.
- If an underscore (_) is used in a server name, you cannot explore artifacts in Shared Services Console.
[7230134]
- Cannot save a migration definition on Oracle Application Server if it is SSL- and OAM-enabled. This occurs because Internet Explorer file downloads over SSL do not work with the cache control headers.
[7437768]
Workaround: Users must modify a registry setting. See the MSDN article:
<http://support.microsoft.com/kb/323308>
- Individual artifacts containing a slash symbol in the name (/) are not exporting.
[7440436]
Workaround: Export the entire directory containing the artifacts with the slash. For example, "/Admin Options/sqr1/Production Reporting Version 11.1.1.1.0" will not export. But "/Admin Options" will.
- When specifying a file system destination, you must use a fully qualified server name.
[7354800]
Incorrect: <http://user:7777/interop/index.jsp>
Correct: <http://user.aztec.hyperion.com:7777/interop/index.jsp>
- When using Lifecycle Management to import Native Directory artifacts in CSV format (using the delete operation), the import is failing if the source and destination artifacts bear the same timestamp.
[6721206]
Workaround: Touch the CSV files on the file system (which updates the timestamps) before performing the delete on import operation.

Essbase

- In the *Oracle Hyperion Enterprise Performance Management System Lifecycle Management Guide*, under Essbase migration options a Restructure Outline option is listed. But the Lifecycle Management user interface lists the option as Restructure Cube.

Reporting and Analysis

- Lifecycle Management for Reporting and Analysis is unavailable if Workspace GSM service is running on a port other than the one provided at the time of configuration.
[7047611]
- Even though Financial Reporting database connections artifacts are listed in the artifact listing in Shared Services Console, migrating these artifacts is not supported in the current release.
[6565838]
- The Reporting and Analysis Lifecycle Management export option Export Job Output is not exporting jobs correctly.
[7605688]

Workaround: You must select the output manually.

Financial Management

- Users cannot migrate Financial Management applications or artifacts with names that contain non-ASCII characters.
[7311342]
- Users are unable to connect to a Financial Management application that has timed out. This occurs when a user views the Artifact Listing in Shared Services Console, waits until the session is timed out (the Financial Management timeout setting determines the length of time), and then attempts to open or expand a node in the artifact listing.
[7490619]

Workaround: Close the browser and open a new browser session.

- Importing large artifacts in the range of 25MB (such as custom documents, which include presentations, spreadsheets, and Word documents) into a Financial Management application may cause a migration to fail.

Workaround: Import custom documents separately.

- After importing artifacts from the file system into the destination application, the artifact time stamps will reflect the time and date that the artifact was imported. The original source environment artifact timestamp is not maintained.

Planning

- OutOfMemory errors may occur and the Lifecycle Management import may fail if a dimension for a given application has too many members (for example, 75,000).
[7395692]
- If an application has only Workforce- and/or Capex-enabled plan types, the Consolidation property for dimension members is not getting set during a Lifecycle Management import.
[7454182]
- Occasionally, the MRU setting gets reset to the last screen or page the user visited before they logged off the application.
[7454306]
- Migration of Business Rules Cluster artifacts through Lifecycle Management is not supported in this release.
[7457939]
- Lifecycle Management does not support Planning access permissions migrations.
[7434513]

Workaround: Use the following Planning command line utilities (`ImportSecurity` and `ExportSecurity`) to export and import Planning Security:

- `HYPERION_HOME\products\Planning\bin\ExportSecurity.cmd`
- `HYPERION_HOME\products\Planning\bin\ImportSecurity.cmd`

For more information about using the Planning command line utilities, see the *Oracle Hyperion Planning, Fusion Edition, Administrator's Guide*.

- In Shared Services Console, some Planning artifacts are listed in the order of creation and not in alphabetical order (for example, Data Forms and Attribute Dimensions).
[6787926, 6881518]
- Task lists are displaying in the Planning interface, but not in the Lifecycle Management interface in Shared Services Console.
[7149668]

Workaround: To view Planning task lists in Shared Services Console, assign read access permissions to the LCM Administrator role for Planning task lists.

- Text Values artifacts are not migrating if they already exist on the destination application or if the source Text Value ID is being used by another Text Value on the destination application.
[7136852]

Workaround: In the database, users must manually fix the mismatch values or re-enter those values in the form.

- If using an Oracle relational database as the user directory and the users are native, migrated rules files associated with forms are not displaying in the destination application.
[7028382]

Workaround: If the user is a native user, you must manually provide access privileges in Essbase Administration Services.

- The system cannot import a dimension with more than 25,000 members. Users will get an error message and the migration will fail.
[7013079]

Workaround:

1. Evaluate the dimensions to be migrated and filter out the following dimensions:

- Dimensions having too many members
- Standard dimensions
- Custom dimensions
- Attribute dimensions

2. Migrate the dimensions with fewer members.

3. Export the large dimensions to the file system and wait for at least a minute before proceeding to the next step.

4. Import the large dimensions from the file system, import the attribute dimensions first and then import the dimensions.

5. Repeat step 4 until all dimensions are imported.

- By default, imported Planning artifacts replace existing artifacts in the destination application. Users do not have the option to merge and replace artifacts.
[6800362]

- If you are migrating an entire Planning application at once, Lifecycle Management handles most migration dependencies automatically. However, if you are migrating artifacts individually, Oracle recommends that you migrate Planning artifacts in the order specified in the Planning appendix of the *Oracle Hyperion Enterprise Performance Management System Lifecycle Management Guide*. [6592824, 8-662195353]
- When migrating Planning Performance Management Architect artifacts, on the destination options screen of the Migration Wizard, you must manually enter some of the deployment information like Instance Name, Application Server, Shared Service Project, and available Data Sources. [7017978]
- After importing artifacts from the file system into the destination application, the artifact time stamps will reflect the time and date that the artifact was imported. The original source environment artifact timestamp is not maintained.

Profitability and Cost Management

- Currently, the Lifecycle Management product can only be used to import data for a newly deployed application from Performance Management Architect.

You cannot use the current release of Lifecycle Management to perform the following tasks for existing applications:

- Export assignment rules
- Merge or update existing records

Oracle recommends that you create a backup of your databases before performing any import. [7115560, 7028297]

- If you are using Lifecycle Management to import large models, the import may take longer to process than the time specified in the default timeout settings on WebLogic or the Oracle Application Server. [7166332, 7147674]

Workaround: Reset the default to 3000 seconds, as described in the following procedures for WebLogic and Oracle Application Server:

To modify default timeout for Weblogic:

1. Locate `HYPERION_HOME\common\httpServers\Apache\2.0.59\conf\HYSL-WebLogic.conf`.
2. To `<LocationMatch /profitability>` and `<LocationMatch /profitability/*>`, add the line `'WLIOTimeoutSecs 3000'` as shown below:

```
<LocationMatch /profitability>
SetHandler weblogic-handler
PathTrim /
KeepAliveEnabled ON
KeepAliveSecs 20
WLIOTimeoutSecs 3000
WeblogicCluster servername:6756
</LocationMatch>
```

3. Find `HYPERION_HOME\common\httpServers\Apache\2.0.59\conf\httpd.conf` and set 'Timeout' (the number of seconds before receives and sends time out) to 3000, as shown in the following text:

```
# Timeout: The number of seconds before receives and sends time out.
Timeout 3000
```

To modify default timeout for Oracle Application Server (OAS):

1. Locate `ORACLE_HOME\10.1.3.1\OracleAS_1\Apache\Apache\conf\httpd.conf`.

2. Set 'Timeout' to 3000, as shown below:

```
# Timeout: The number of seconds before receives and sends time out.  
Timeout 3000
```

Shared Services Taskflows

- If Shared Services is running in SSL mode and a user uses Taskflows in Performance Management Architect, Financial Management, or Profitability and Cost Management then the `hub.properties` file under the `HYPERION_HOME\deployments\SharedServices9\config` directory needs to be manually updated for the `sslEnabled=true` property.
[7432490]
- When creating a task flow with an Execute action, you must specify a script to run in the `HYPERION_HOME/common/utilities` folder. The script is specified in the Command field. If a script does not exist, then the task flow cannot be saved.
[7013889]

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Defects Fixed in this Release

General

- 7150001 - To use utilities such as Lifecycle Management Utility, ensure the Enable HTTP Access to Security Configuration security option is enabled. To enable this security option:
 1. Launch Shared Services Console.
 2. Select **Administration**, then **Configure User Directories**.
 3. Select **Security Options**.
 4. Select the **Enable HTTP Access to Security Configuration** check box and click **OK**.

Security Administration

- 7163153 - Users with Financial Management Application Creator and Application Administer role could deploy application, but could not delete them.
- 7119622 - EPM System did not support the migration of user and group identities.
- 7176232 - If you configured OID or Novell eDirectory as an external user directory, clicking the Fetch DNs button in the Connection Information screen did not display Distinguished Names (DN).
- 7032269 - While configuring MSAD as an external user directory in SSL-enabled environments, clicking the Fetch DN button did not retrieve the base distinguished name of the MSAD configuration if the DNS Lookup option was selected.
- 6981068 - If Reporting and Analysis SDK based custom applications did not exit gracefully, programmers had to use the `System.exit(0)` directive to terminate the JVM .

Lifecycle Management

- Shared Services migrations must be run separately from other product migrations.
- 7175219 - In the Migration Status Report, users cannot open the More Details link for a Shared Services migration completed with failures in a migration that includes multiple tasks.
- 7147674 - When importing large artifacts, the import time may take longer than the default timeout settings on Apache (for example, 5 minutes on OAS). Thus, Apache returns error response

(code 500) to the Lifecycle Management engine, while import process is still running. The import finishes successfully, but Lifecycle Management reports it as failed.

- 7030414, 6871433 - The Migration Status Report is not displaying the correct status. For example, the Migration Status Report is showing a status of Success for some migrations, when it should actually display a status of Completed with Failures because not all artifacts were migrated successfully. Additionally, the artifact count includes migrated folders.
- In the Migration Status Report, if unable to View Details, ensure the `hostname.domain` name is available in the hosts file on the computer hosting Shared Services.
- Migration fails when Lifecycle Management Utility is run from different computers with the following exception and when a keystore file is also used:

```
2008-05-27 19:32:11,089 WARN - Package file task reporting fail for HSS- MyHSS-Connection1.
```

```
2008-05-27 19:32:11,105 ERROR - Unable to continue processing. FileSystem information is invalid in Migration Definition File, "HSSConnection" attribute not specified or has invalid values.
```

```
2008-05-27 19:32:11,214 INFO - Writing Audit Records for migrated Artifacts ...
```

- With SSL-enabled Shared Services, sometimes Lifecycle Management artifact migrations cannot be performed.

Shared Services

- 6997587 - The Migration Status Report (View Details) may display an incorrect status and incorrect number of artifacts migrated for Native Directory artifact imports.
- 6653160 - If Shared Services is configured with a DB2 database, after importing Shared Services Registration artifacts, Shared Services Console does not respond if you attempt to Explore artifacts while the Migration Status Report is showing an Active status. Once the Active status changes to Success, Shared Services Console responds once again.
- Users, groups, and roles and Provisioning information are not created or deleted when performing the Lifecycle Management import operation.

Essbase

- 7150134 - Migration of default calc script fails when migrating between Essbase databases. The migration status shows a 'system cannot find the file specified' error.

Reporting and Analysis

- Using Lifecycle Management to migrate SAP and SSAS Web Analysis database connections was not supported in the previous release.
[7155598]
- Reporting and Analysis users could use the 9.3.0.x Lifecycle Management Utility to export content to the file system. Then use the 11.1.1 Lifecycle Management Utility or Shared Services Console to load the content into the 11.1.1 Reporting and Analysis repository. Note that for all other supported products, migrations were only from 11.1.1 to 11.1.1.
[6979379, 6979492]
- The Lifecycle Management Utility did not respond when exporting a large number (50 or more) of BQY files.
[6963553]
- The Lifecycle Management interface in Shared Services Console would not work for Reporting and Analysis applications if the Workspace GSM port number is set to anything other than the default value of 6800.
[7110261]

- Web Analysis reports which were first updated in Workspace and then copied with Copy/Paste Workspace functionality could not be imported using Lifecycle Management.
[7158271]
- Web Analysis services should be stopped before using Lifecycle Management to import Web Analysis content.
[7168799]
- Product preferences such as Favorites, Personal Pages, and/or Subscriptions definitions were not imported for users who were not provisioned with any Shared Services role. Ownership information was also affected. The owner name displayed in Workspace was preserved, however, internally the owner was being set to LCM Administrator on import.
[7168819]
- If two database connections existed for a Web Analysis user and User Preferences were defined for both database connections (for example, POVs, PVs, saved username and password), the Lifecycle Management import of these User Preference objects would fail.
[7207890]

Financial Management

- If a migration included empty folders and the 'Include Dependent Artifacts' migration option was cleared, the migration would fail. This was because the artifact parent folders were not migrated when the 'Include Dependent Artifacts' migration option was not selected.
[7143619]
- Before performing a migration for the first time, you must have first migrated Security Class artifacts. Subsequent migrations did not need the Security Class artifacts migrated first. Note that the Security Class migration only needed to occur if folders had security classes assigned to them.
[7121699, 7143829]

Planning

- Values for the user variables were not migrated for the Sample application.
[7176431]

Shared Services Taskflows

- Exporting Financial Management taskflows from Lifecycle Management failed to export related application definitions.
[6919107]

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Tips and Troubleshooting

- When migrating Planning Cell text artifacts, Lifecycle Management migrates all cell texts (comments) and cell attachments (a reference link URL to the document) for the given application. The cell attachments (document reference links) are not transformed for the destination environment, they are moved as-is.
- For Lifecycle Management, when migrating from the file system, if the files were copied (rather than migrated) to the file system location, ensure they were copied to the user directory on the destination file system for the user who will be performing the migration from the file system. If the files are copied to a directory for a different user, the user performing the migration will not see the files under the File System application group in Shared Services Console.
- OutOfMemory errors may occur when using the Lifecycle Management Utility to export large amounts of content from the application to the file system. To avoid these errors, perform these steps before migrating artifacts:

1. Increase the maximum Java heap size for Shared Services.

In `startSharedServices9.bat` or `startSharedServices9.sh`, change `set BP_MAXHEAP=-Xmx250m` to `set BP_MAXHEAP=-Xmx1000m`.

2. Restart Shared Services.

3. Increase the maximum Java heap size for the Lifecycle Management Utility.

In `utility.bat` or `utility.sh`, add `"-Xmx1000m"` as a Java option.

- If using Oracle 10G application server, you might see Permission Denied JavaScript errors while trying to access the Lifecycle Management Migration Wizard in Shared Services Console.

Workaround: Access Shared Services Console using `hostname.domainName` instead of just `hostname`. If the issue persists, add the following URL to the Local Intranet zone (in Internet Explorer's Tools menu, select Internet Options, Security tab, and under Local Intranet, click Sites.

`http://hostname (hostname.domainname)`

- If using WebLogic 9.2.1, users are unable to perform Lifecycle Management artifact migrations from the Shared Services Console or Lifecycle Management Utility

Workaround: Check if `<enforce-valid-basic-auth-credentials>>false</enforce-valid-basic-auth-credentials>` is available under tag `<security-configuration>` in `config.xml`. If it is not available, include the tag in `<security-configuration>`

- If using WebLogic 9.2.1, Lifecycle Management Utility freezes if you perform a continuous large number of artifact migrations.

Workaround: Increase the Shared Services server's Accept Backlog to a larger value. The default value is 50. This parameter is available under Shared Services Server's settings in the Configuration and Tuning tab.

- When performing a Performance Management Architect import for Planning, for the Data Source Lifecycle Management import option, you must follow these steps:
 1. Create the Oracle, SQL, or DB2 database.
 2. In Planning, then create the data source connecting with the Oracle, SQL, or DB2 database.
- Before performing a Performance Management Architect import and selecting the Shared Services Project Lifecycle Management import option, the application group must already exist in the Shared Service Console.
- If using Lifecycle Management to import artifacts from the file system into the destination application, the artifact time stamps will reflect the time and date that the artifact was imported. The original source environment artifact timestamp is not maintained.

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Documentation Updates

- The most recent version of each Oracle product guide is available for download from the Documentation area of the Oracle Technical Network (OTN) Web site (<http://www.oracle.com/technology/index.html>).

Documentation is also available from the Oracle E-Delivery Web site (http://edelivery.oracle.com/EPD/WelcomePage/get_form).

Please note that individual product guides are available for download on the Oracle Technical Network (OTN) Web site only.

- Documentation Addendum to the "Enabling SSO with Security Agents" section in the *Oracle Hyperion Enterprise Management System Security Administration Guide*.

If a security agent is used to protect an SAP Portal running portlets for EPM Workspace, Web Analysis, Financial Reporting or Performance Scorecard, you must perform the following steps to ensure that portlets authentication uses SAP Token

- Unprotect `workspace/wsrp4j(.*)` in security agent
- For EPM products, unprotect URLs based on the installed components:
 - `/WebAnalysis/wsrp4j(.*)` for Web Analysis
 - `/hr/wsrp4j(.*)` for Financial Reporting
 - `/HPSWebReports/wsrp4j(.*)` for Performance Scorecard
- Remove the line `com.hyperion.portlet.sso.filter.SMAuthHandler` from `\WEB-INF\classes\auth-handlers.config` in the web application deployments of the preceding EPM System components for which the URLs are unprotected.

Note: For other portals, protect these `wsrp4j` urls using the security agent.

If you are using Oracle Web Center or Oracle Portal for portlets, Oracle recommends that you use a security agent, such as Oracle Access Manager, to protect the system. Use the security agent to protect access to `wsrp4j` urls.

- If you are deploying EPM System in an infrastructure that uses a security agent, do not unprotect the Oracle Hyperion Provider Services context (`/aps`). *Oracle Hyperion Enterprise Management System Security Administration Guide* incorrectly identifies this as a context that must be unprotected.

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