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About Oracle Cloud Success Navigator

The Oracle Cloud Success Navigator-Self Service Platform initiative enables a modernized experience by offering self-service capabilities to OCI customers. The Self-Service Platform delivers capabilities and automation used by MCS Operations directly for use by the customer. It improves service agility while delivering a modernized managed application lifecycle experience.

Dashboard

The Dashboard tab provides a short description of the product, together with release notes covering the new features and site alerts.

By default, a customer is displayed. You can use the drop-down option to select another customer.

Help

The Help includes links to the Oracle Cloud Success Navigator-Self Service Platform documentation.

Avatar/User

The Avatar/User includes Preferences and Log Out option. The Preferences contain General Preferences, and CEMLI (Preferences, Products, Customers). You can manage your preferences, custom products, and customers from here.

CEMLI

OCSN-Self Service Platform provides a range of tools and services designed to manage CEMLI (Configurations, Extensions, Modifications, Localizations, and Integrations) associated with your Oracle E-Business Suite environment. Manage the full CEMLI lifecycle using this portal, from cataloging existing modifications to investigating change and performance impact, and offering reliable and consistent customization delivery across your infrastructure.

Manage Data Fixes, similar to customization, associated with you Oracle E-Business Suite environment.

Data Fix

This feature offers data related changes in a self-service mode without the need for engaging Oracle teams. If the customer you've selected has access permission, then Data fix menu is available for them. Data Fix page displays all the RFC executions the user has submitted.

Bounce

You can work with self-service Bounce to shut down, start up, and bounce DB Tier and MidTiers and/or MidTier components (individual or combination of components). Bounce is only applicable to all instances.

Exadata CPU Scaling

Users can scale up or scale down the number of OCPUs assigned to their Exadata infrastructure as well as the OCPUs assigned to individual databases hosted on that

infrastructure without a downtime. Scale Up/Scale Down activities can be scheduled to be executed in the future.

EBS Refresh

You can work with Self-Service EBS Refresh feature to refresh your non-production instances from production instances.

Sign in to OCSN-Self Service Platform

Learning how to sign in to OCSN-Self Service Platform

1. Go to **Oracle Customer Success Navigator Platform** home page.
2. Enter your Single Sign-On (SSO) credentials.
3. Click **Log In**.
4. If you are an external user, select an identity provider from the drop-down list. For example, IDCS.
5. Click **Continue**.
6. The **Oracle Cloud Success Navigator** home page opens.

Getting Started

Learn about the minimum requirements to use OCSN-Self Service Platform.

The minimum requirements to use OCSN-Self Service Platform are:

- A valid MOS account.
- At least one support identifier (SI) associated with your MOS account.

Note:

SIs are termed customer support identifiers (CSIs) in OCSN-Self Service Platform.

- At least one active Oracle E-Business Suite (EBSO) service associated with your MOS account.

Additionally, you must have the following MOS privileges to perform specific tasks:

- To create RFC, MOS *CreateRFC* privilege for your customer organization associated with your MOS account.
- To schedule RFCs for deployment, MOS *Authorized Approver* privilege for the Oracle E-Business Suite environment where the CEMLI patch will be deployed, associated with your MOS account.

OCSN-Self Service Platform setup should be completed on your EBSO environments before it can apply CEMLI patches created from the portal. Please work with your SDM to create RFCs for Oracle Cloud Success Navigator-Self Service Platform setup.

To request OCSN-Self Service Platform setup, you or your SDM must create RFCs with the following specifications:

- Category: Application - EBSO Ondemand or Application - EBS OPC or Application - EBS OCI
- Service Type: EBSO or EBSZ or EBSI
- RFC Type: Configuration - EBSO or OPCEBS_Configuration or OCIEBS_Configuration
- Sub Type: Sysadmin Changes or OPCEBS_Configuration or OCIEBS_Configuration
- Summary: OCSN-Self Service Platform Setup for instance <SID>

2

Using Packager

Learn how to use the Packager option, the core tool in Oracle Automated CEMLI Execution (ACE).

The following topics are covered in this chapter:

- About Packager
- Requirements
- How to Use Packager
- Setting Up Packager

About Packager

Oracle Automated CEMLI Execution's core tool, Packager, provides you with the ability to bundle your configurations, extensions, modifications, localizations, and integrations (CEMLI) into ADPatch-compliant CEMLI patches, which are deployed using the Oracle Enterprise Manager (EM) Patching system and the Managed Cloud Services automated change management systems. These CEMLI patches are subsequently available for deployment in any of your Oracle E-Business Suite environments. To deploy these custom patches, a separate RFC must be created and scheduled for each environment.

Packager reduces redundant processes and errors resulting from manual deployment. It also eliminates the need to write CEMLI installation scripts or detailed installation instructions, making more efficient use of your development resources.

Additionally, patches created using Packager are copied automatically to servers hosting your Oracle E-Business Suite services, and do not need to be attached to your My Oracle Support (MOS) requests for change (RFC). Packager patches can be promoted to any provisioned environment without rebuild.

National Language Support (NLS) versions are also generated automatically when the NLS version is selected or when NLS-specific files are included in the initial build. And, in common with all Oracle E-Business Suite patches, patch information is saved in the `ad_applied_patches` and `ad_bugs` tables.

Requirements

Learn the minimum requirements to use Packager which are the same as Oracle Automated CEMLI Execution.

The minimum requirements to use Packager are:

- A valid MOS account.
- At least one customer support identifier (CSI) associated with this MOS account.
- At least one active Oracle E-Business Suite (EBSO) service associated with this MOS account.

Additionally, you must have the following MOS privileges to perform specific tasks:

- To create RFCs, MOS *CreateRFC* privilege associated with the customer SI.
- To schedule RFCs for deployment, MOS *Authorized Approver* privilege for the Oracle E-Business Suite environment where the CEMLI patch will be deployed.

Oracle Automated CEMLI Execution setup should be completed on your EBSO environments before it can apply CEMLI patches created from the portal. Please work with your SDM to create RFCs for Oracle Automated CEMLI Execution setup.

To request Oracle Automated CEMLI Execution setup, you or your SDM must create RFCs with the following specifications:

- Category: Application - EBSO Ondemand or Application - EBS OPC or Application - EBS OCI
- Service Type: EBSO or EBSZ or EBSI
- RFC Type: Configuration - EBSO or OPCEBS_Configuration or OCIEBS_Configuration
- Sub Type: Sysadmin Changes or OPCEBS_Configuration or OCIEBS_Configuration
- Summary: ACE Setup for instance <SID>

How to use packager

Learn how to use packager.

1. Ensure that your CEMLI and RFCs meet Oracle requirements, as described in Requirements.
2. Set up your systems to use Packager, as described in Setting Up Packager.
3. Check and upload your CEMLI customized files to the CEMLI repository, as described in Using CEMLI.
4. Build patches using uploaded files, as described in Building Patches.
5. Schedule your custom patch(es) for deployment using Oracle's automated patching and change management systems, as described in Scheduling Custom Patches for Deployment (Execution).

Setting up Packager

Before using Packager, you must check your CEMLI preferences and register any unregistered custom applications, which are populated automatically if a primary assessment has been performed.

Optionally modify this information or, if a primary assessment has not been performed, enter the information manually:

- CEMLI preferences are described in Setting CEMLI Preferences.
- Oracle E-Business Suite custom applications are described in Registering Custom Applications in Packager.

3

Setting CEMLI Preferences

Learn how to set the CEMLI preferences if they have not been set already. After, you set, these preferences are used for all subsequent Packager tasks.

About this task



Note:

If you select the Allow Auto Header checkbox, file headers are automatically inserted in all CEMLI files with object types that require them.

To set up CEMLI preferences:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under Services, click **Customer Self Service**.
3. In the Customer Self Service page, click **CEMLI**. (or)
4. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **CEMLI**.
5. On the **CEMLI** home page, verify that your customer details are displayed.
6. Click **Preferences**.
7. From the Apps Release list, select the Oracle E-Business Suite release used in the environment.
8. From the Patch Driver Format list, select one of the following formats:



Note:

- u (recommended)
- cdg (for older Oracle E-Business Suite releases)

9. From the Base Language list, select the base language for the Oracle E-Business Suite environment.
10. If you have implemented NLS Languages support, optionally use the Change NLS Languages list to select from the available NLS languages.



Note:

The Base Language list is refreshed to reflect your selections.

11. If you want to enable automatic inclusion of headers, select the Allow Auto Header checkbox.

12. Click **Save**.

 Note:

The Set Customer Preferences page shows the updated preferences.

Register Custom Applications in Packager

Learn how to register any custom applications that have not been already registered in Packager settings.

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the Customer Self Service page, click **CEMLI**. (or)
4. On the OCSN-Self Service Platform **Dashboard**, under Quick Links, click **CEMLI**.
5. On the **CEMLI** home page, verify that your customer details are displayed.
6. Click **Manage Custom Products**.

 Note:

- You must register only custom applications that are not already registered in Packager. Please only register custom applications that have Oracle Automated CEMLI Execution setup completed in your E-Business Suite environment.
- If a custom application is displayed in the Packager | Existing Products area, you do not need to register it again.

7. In the Register New Product area, enter the following information:
 - Product Name: Specifies the short name of the custom application, in lower case with no spaces.
 - Application Id: Specifies the ID for the application. Use a query to retrieve this value from the APPSFND_APPLICATION_VL view. See Sample Query.
 - Description: Provide a free-text description of the custom application.
 - DB Schema: Specifies the name of the database schema associated with the custom product.

 Note:

You will not be able to modify this information once it is saved.

8. Click Create.
The page is refreshed, displaying the custom application name and details in the Product List area, as follows:
 - Application Id: Specifies the ID for the application.

- **Name:** Specifies the short name of the custom application, in lower case with no spaces.
- **Description:** Provides a free-text description of the custom application. The information in this field can be edited and saved.
- **Active:** Specifies whether the custom product is active or not. The information in this field can be edited and saved.
- **Schema:** Specifies the name of the database schema associated with the custom product. The information in this field can be edited and saved.
- **Created By:** Specifies the email address of the user who registered the product.
Created On: Specifies the date when the product was registered.

What to do next:

Sample Query

The following query retrieves custom application information from the Oracle E-Business Suite database (DB):

```
select app.application_short_name, prod.application_id
from fnd_product_installations prod,
     fnd_application app
where app.application_id>20000
and app.application_id= prod.application_id
```

Where:

app.application_short_name is the short name of the application

prod.application_id is the production application ID

This example shows a typical output from this query:

APPLICATION_SHORT_NAME	APPLICATION ID	ORACLE_ID	PRODUCTION_VERSION
-----	-----	-----	-----
XBOL	20003	0	11.5.0

Setting Preferences

(Required) <Enter a short description here.>

Learn how to set preferences.

- General Preferences
- CEMLI Preferences

Setting General Preferences

Learn how to set the general preferences.

About this task:

1. From the top-right corner of the dashboard, click avatar/user, and then select **Preferences**.

2. In the **General Preferences** page, set the following:
 - Time Zone
 - Customer
 - Service
 - Instance
 - cemliOption: You can select either **AutoSkip** or **AutoStop** to be displayed as a default option during CEMLI RFC.

CEMLI Preferences

Learn how to set the CEMLI preferences.

Learn about this task

1. From the top-right corner of the dashboard, click avatar/user, and then select **Preferences**.
2. In the **CEMLI Preferences** page, set the following (this is a one-time activity):
 - Apps Release
 - Base Language
 - Allow Auto header
 - NLS Languages
 - Instance

4

Using CEMLI

Learn about the actions that you can take on CEMLI files using OCSN-Self Service Platform,

About this task:

- Managing CEMLI Files
- Managing Patches
- Scheduling Patch Deployment
- Setting CEMLI Preference

Managing CEMLI Files

Learn how to manage files to CEMLI in

About this task

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **CEMLI**. (or)
4. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **CEMLI**
5. On the **CEMLI** page, Click **Files**.
6. The **Files** page displays a list of CEMLI files.
7. Use the following options to manage CEMLI files:
 - Refresh. To refresh the file list, click the refresh icon.
 - Upload - To upload a file, click **Upload Files** button.
 - Include Archive - To include archived files to the display list, switch the **Include Archived** toggle button to the right side.
 - Search - To search a file, enter a search criteria and press enter
 - Download - To download a file, select a file and click the download icon or click **Download** from the actions menu.
 - Delete - To delete a file, select a file and click **Delete** from the actions menu.
 - Archive - To archive a file, select a file and click **Archive** from the actions menu.
 - Restore - To restore a file, select a file and click **Restore** from the actions menu.
 - To a upload a CEMLI file, click **Upload Files** button.
8. In the **Upload File(s)** page, set the following parameters:
 - Product. Select a custom product.
 - Zip Upload. Toggle the switch to upload a zip file. Alternatively, the zip file can be uploaded using the OAF zip feature.

- Drag and Drop. Select one or more files to upload.
9. Based on the file that you selected, the file details are available in the **Individual File** summary table.
 10. In the **Individual File(s)** summary table, enter a , select the **File Type**, **Language**, and the **Version**.
 11. To reselect another product and file to upload, click **Clear All**.

 Note:

Selections done are cleared, and you can now make a new selection.

12. From the list of files in the Individual File(s) summary table, click a file name to open its details page.
13. Click **Upload**.
14. Once the file is uploaded, the file status is set as **Upload Successful**.
15. To reconfirm your file upload, click **Back** to navigate to **Files** page and view the file listed in the CEMLI files summary table.

Uploading CEMLI Files with Manifest

Learn how to add the .zip file containing your CEMLI files to Packager, and upload this .zip file with manifest to the Oracle Automated CEMLI Execution repository.

To create the CEMLI files .zip file:

1. Create the directory structure on your local machine. For example:

```
/applmgr/CEMLI/modules/files
.
|-|forms
|-|--|D
|-|--|US
|-|html
|-|--|D
|-|--|US
|-|media
|-|reports
|-|--|D
|-|--|US
|-|sql
|-|--|US
```

2. At the top level directory, zip all files. For example, zip the files in the `/applmgr/CEMLI/modules/files` directory, producing `files.zip`.
3. Create the manifest file manually using a standard text editor. You will need to copy the file contents into the native Packager manifest editor.

When creating the manifest file, include the file name, the module, the description, the file type, the deployment path (if required), and the language.

The manifest file name follows the relative path from the top level directory beneath the files directory.

For example, for `XBOATTRS.fmb`, the file name is `/forms/US/XBOATTRS.fmb`.

This sample manifest file shows the typical format:

```
/forms/US/AKDATTRS.fmb,sxbo,US_AKDATTRS form,fmb,null,US  
/reports/US/ABMACTD.rdf,sxbo,US_ABMACTF report,rdf,null,US  
/sql/getPONumber.sql,sxbo,PO number access sql,pkb,null, US  
/sql/vendor_supplier_MAT.sql,sxbo,vendor supplier relation,pkb,null,US
```

 Note:

Alternatively, you can paste the manifest directly into Packager using the Manifest tab. You can also modify the manifest on the Manifest or Editor tabs.

To upload CEMLI files in a .zip file:

1. On the CEMLI home page, verify that your customer details are displayed.
2. Click Packager.
The Upload Customized Files tab is displayed by default.
3. In the Actions list, click **Choose Product**.
The Select Product dialog box opens.
4. Select the custom application you want to associate the uploaded files with.
5. Click **Close**.
The Product Name, Description and Created By fields are populated with the corresponding information.
6. In the Upload Customized Files area, click **Zip File Upload**.
The Upload Archive of Customized Files dialog box opens.
7. Click **Choose File**.
The Open dialog box opens.
8. Select one or more files that you want to upload, then click **Open**.
The Upload Archive of Customized Files page is refreshed, showing the .zip file. The Define archive manifest field is populated with details of the .zip file contents.
9. On the Manifest tab, paste the .zip file manifest, created in step 3. This comma-separated list must contain a matching line for each CEMLI file included in the .zip file.
10. Click the Editor tab to view the manifest converted to the standard fields used in the Currently Uploaded Files area.
11. (Optional) Modify the manifest in either the Manifest or Editor tab.
12. Click **Start Upload**.
The page is refreshed, listing all the selected files in the Currently Uploaded Files area.

 Note:

To select multiple files, hold the Ctrl key, and click each file to be added.

Each record in the Currently Uploaded Files area shows the following information:

- Archived: Specifies whether the uploaded file is archived or not.
- Name: Specifies the name of the file to be uploaded.
- Description: Provides a free-text description of the file to be uploaded.
- Product: Specifies the short name of the custom application the file is associated with.

- **Object Type:** Specifies the supported Oracle E-Business Suite object type. For more information on the object types supported in Oracle Automated CEMLI Execution, see [CEMLI File Object Types](#).
- **Parameters:** Provides values for the parameters specific to the selected object type. For more information on the object types supported in Oracle Automated CEMLI Execution, see [CEMLI File Object Types](#).
- **Version:** Specifies the file version, in numeric form, as identified in the header. For example, 123.1.3.
- **Language:** Specifies the language associated with the file to be included in the patch.
- **Uploaded By:** Specifies the email address of the user who uploaded the file.
- **Uploaded On:** Specifies the date when the file was uploaded.

Uploading CEMLI Files Using Master Shell Script

Learn how to add a .zip or .tar file containing your CEMLI files to the Packager using new object type **shell_zip**, and upload the .zip or .tar file into the Oracle Automated CEMLI Execution repository. The .zip file must contain shell script named **master_script.sh** as it is a pre-requisite to have a master shell script under .zip file.

You can use your own coding standards using shell (master_script, sh) to deploy huge CEMLI files.

To create the CEMLI files .zip file:

1. Gather all the CEMLI files along with the master shell script in a folder on your local machine.
2. At the top-level directory, zip all files excluding the top-level directory. For example, zip the files from step 1 at the level where master_script.sh exists, producing *files.zip*.

To upload CEMLI files in a .zip file:

1. On the CEMLI home page, verify that your customer details are displayed.
2. Click **CEMLI Files**.
The files list page is displayed by default.
3. In the File list, click **Upload Files**.
The Select Product dialog box opens.
4. Select the custom application you want to associate the uploaded files with.
5. Click **Drag and Drop**.
Select one or more files that you want to upload.
6. In the File Type column, select value as **Shell with zip** from the list of values.
The page is refreshed, listing all the selected files in the Currently Uploaded Files area.

 Note:

To select multiple files, hold the Ctrl key, and click each file to be added.

Each record in the Currently Uploaded Files area shows the following information:

- **Archived:** Specifies whether the uploaded file is archived or not.
- **Name:** Specifies the name of the file to be uploaded.
- **Description:** Provides a free-text description of the file to be uploaded.
- **Product:** Specifies the short name of the custom application the file is associated with.
- **Object Type:** Specifies the supported Oracle E-Business Suite object type. For more information on the object types supported in Oracle Automated CEMLI Execution, see CEMLI File Object Types.
- **Parameters:** Provides values for the parameters specific to the selected object type. For more information on the object types supported in Oracle Automated CEMLI Execution, see CEMLI File Object Types.
- **Version:** Specifies the file version, in numeric form, as identified in the header. For example, 123.1.3.
- **Language:** Specifies the language associated with the file to be included in the patch.
- **Uploaded By:** Specifies the email address of the user who uploaded the file.
- **Uploaded On:** Specifies the date when the file was uploaded.

5

Managing Patches

Learn to use the uploaded files to create a custom patch that you can apply to an environment.

Patch File Naming Format

To be deployed using the standard Oracle Enterprise Manager patching process, the patch file is generated using the following naming convention:

```
p<numeric_value>_<cust_short_name>_<ebs_version>_cmli.zip
```

where

<numeric_value> is an automatically generated number,

<cust_short_name> is the short name for your organization in the Packager repository,

<ebs_version> is the Oracle E-Business Suite release number,

cmli indicates that this is a CEMLI patch, to differentiate it from standard Oracle patches.

For example, this CEMLI patch name uses the standard format:

```
10000001418_Oracle_11i_cmli.zip
```

where

10000001418 is the automatically generated number,

Oracle is a short name for the organization,

11i is the Oracle E-Business Suite release number,

cmli indicates that this is a CEMLI patch.

Building a Patch

Learn to build a patch.

About this task:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **CEMLI**. (or)
4. On the Oracle Cloud Success Navigator-Self Service Platform Dashboard, under **Quick Links**, click **CEMLI**.
5. On the **CEMLI** page, Click **Patches**.
6. The Patches page displays a list of available built patches.
7. Use the following options to manage patch files in the summary list:
 - Refresh. Click the refresh icon to refresh the file list, .

- Search - To search a patch, enter a search criteria and press enter.
 - Download - Select a patch and click the download icon or click **Download** from the actions menu to download the file in CSV format.
 - Delete - To delete a file, select a file and click **Delete** from the actions menu.
8. Click **Build Patch** to build a patch using source files.
 9. In the **Build Patch** page, set the following parameters:
 - Patch Name: Enter a name for the patch
 - Patch Description: Provide a brief description about the patch.
 - Search: If the file list is long, use the search option to search for a specific file.
 - Available Files: Select files to be associated to the patch.
 - Include Archived: By default, only active files are displayed. Toggle the switch to display archived files.
 - File: Select the active files to be associated to the patch.
 - File Type: Displays the file type.
 - Selected Files: Displays a list of files selected to be added to the patch.
 - Delete: In the **Selected Files** section, click the delete icon to deselect a file.
 10. Click **Submit**.
 11. When the patch build process is complete, a message showing the patch number is displayed at the top-right corner of the page. The custom patch is copied automatically to the middle tiers hosting Oracle E-Business Suite environments.
 12. The patch is built and it displays in the patch summary list.
 13. Click the patch name to open its details page.

Viewing Patch Details

Learn how to view patch details.

About this task:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **CEMLI**.
4. On the Oracle Cloud Success Navigator-Self Service Platform Dashboard, under **Quick Links**, click **CEMLI**.
5. On the **CEMLI** page, Click **Patches**.
6. The **Patches** page displays a summary of patch files that are already built.
7. From the list, click a patch file to open its details page.
8. The **Files in Patch** page displays the list of patch files (and its details) that are associated with the patch.

Downloading a Patch

Learn how to download a patch file.

About this task:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **CEMLI**. (or)
4. On the Oracle Cloud Success Navigator-Self Service Platform Dashboard, under **Patches**, click **CEMLI**.
5. On the **CEMLI** page, Click **Patches**.
6. In the patch summary list, select a patch file and click **Download** from the actions menu.

Deleting a Patch

Learn how to delete patches.

About this task

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **CEMLI**. (or)
4. On the Oracle Cloud Success Navigator Dashboard, under **Quick Links**, click **CEMLI**.
5. On the **CEMLI** page, Click **Patches**.
6. In the patch summary list, select a patch file and click **Delete** from the actions menu. **Note:** Ensure you have permission to delete a patch file.

Scheduling Patch Deployment (Execution)

Learn how to schedule custom patch deployment.

About this task:

Each environment requires a separate MOS RFC, which can be created from Oracle Automated CEMLI Execution. If you have the *CreateRFC* and *Authorized Approver* privilege in MOS, you can use Packager to create and schedule RFCs for your environment. Otherwise, an authorized approver for your organization will need to schedule any RFCs you create.

This section describes:

- How to schedule a custom patch deployment using Packager. For more information, see [Scheduling a Custom Patch Deployment Using Packager](#).
- How to schedule a custom patch deployment using My Oracle Support. For more information, see [Scheduling a Custom Patch Deployment Using MOS](#).



Note:

To schedule RFCs in Packager, you must have the MOS *Authorized Approver* privilege for the Oracle E-Business Suite environment where the CEMLI patch will be deployed. Otherwise, request that a MOS authorized approver for your organization schedules the RFC through Oracle Automated CEMLI Execution.

Scheduling a Custom Patch Using Packager

Learn how to schedule a custom patch (CEMLI Patch or ACE Data Fix) deployment using Packager. The ACE Data Fix option can be used to promote data fixes that do not require manual intervention or input parameters during execution.

About this task:



Note:

You must run a test deployment of each new RFC in a non-production environment before attempting to deploy the RFC in a production environment. You must use MOS, rather than Packager, to modify the RFC in the following situations:

- The Packager scheduling operation failed for some reason - for example, a Web service failure or application integration issue. This results in the creation, but not scheduling, of the RFC.
- Oracle Automated CEMLI Execution is down.

Schedule a Custom Patch Using MOS

Learn how to schedule a custom patch deployment using MOS.

About this task:



Note:

When custom patch deployment is scheduled using MOS, scheduling conflicts are not verified, which may result in patch failure. Once the RFC scheduled in MOS is set to *Open - Ready for Execution*, you do not have the option to cancel the RFC, nor do you have the ability to choose multiple patches using the **Select Patch(es)** button. We therefore recommend using the RFC scheduling feature in Oracle Automated CEMLI Execution, as explained in [Scheduling a Custom Patch Deployment Using Packager](#).

To schedule a custom patch deployment using MOS:

1. Sign in to MOS: <http://support.oracle.com>
2. From the navigation bar, select **Managed Cloud**, then select **Requests**. The Managed Cloud: Requests - Changes page opens.

3. In the Planned Changes area, click **Create RFC**. The Create Change Request: Overview page opens.
4. Enter the following information in the Change Overview area:
 - Support Identifier: Select the appropriate SI from the list.
 - Target: Select the target environment on which this patch should be deployed.
 - RFC Type: Select **CEMLI Patch** to deploy your custom patch. (Note that the CEMLI option is for manual deployments only.)
 - Summary: Optionally enter a summary of this patch.
 - Description: Optionally enter a description for this patch.
 - Special Instructions: Add any special instructions here, limited to 500 characters. For example, all CEMLI patches are applied in Hotpatch mode. If you require services to be restarted following patch application, include the relevant instructions here.
5. Review the Contact Information area, and optionally add alternate contacts for the custom patch.
6. Click **Next**.
7. Select the severity level for your change.
8. Click **Next**.
The Create Change Request: Details page opens.
9. In the Change Details area, enter the required information in the Related Service Request, Non-Prod RFC number, and Estimated Time to Apply Change fields.
10. In the File Attachment area, click **Attach** to select any CEMLI and additional files to be included with the change request.
11. Review all details, then click **Submit**.

 Note:

The Requests home page opens, with the new RFC listed in the Planned Changes area. The RFC status is set automatically to *Ready for Scheduling*.

Unlike manually applied patches, which require an action plan, you can schedule the RFC immediately.

12. Click the RFC number in the Planned Changes area.
Click the RFC number in the Planned Changes area.
13. Click **Schedule and Approve**.
The Schedule & Approve page opens, displaying a date and time that incorporates the deployment lead time. Check the availability of the time and date slot displayed.

 Note:

To schedule RFCs in Packager, you must have the MOS *Authorized Approver* privilege for the Oracle E-Business Suite environment where the CEMLI patch will be deployed. Otherwise, request that a MOS authorized approver for your organization schedules the RFC through Oracle Automated CEMLI Execution.

The custom patch is deployed at the time and date selected. The RFC is updated with run details following deployment.

Setting CEMLI Preference

Learn how to set up CEMLI preferences.

About the task:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **CEMLI**. (or)
4. On the **Oracle Cloud Success Navigator** Dashboard, under **Quick Links**, click **CEMLI**.
5. On the **CEMLI** page, Click **Preferences**.
6. The **Preferences** page displays a list specification and formats.
7. Under **Cemli Preferences**, set the following parameters:
 - App Release: Specify the file version, in numeric form, as identified in the header. For example, 123.1.3.
 - NLS Language: Specify all supported NLS languages. See the [Object Types That Support NLS Languages](#) section in [CEMLI File Object Types](#). Some file types have NLS support, ensuring that different language versions of the same CEMLI file are supported. See the [Object Types That Support NLS Languages](#) section in [CEMLI File Object Types](#). You can upload multiple versions of the same CEMLI file, tracked by the version number in the file header. Use the Description field to make it easier to identify the proper file when multiple rows are displayed for the same file. Different patches can include different versions of the same file. However, a single patch cannot contain multiple versions of the same file.
 - RFC Status Open - By default, all the closed RFC patches. Toggle the switch to the right side to display all RFC patches in Open status.

 Note:

In general, you must close an RFC within 7 days or the RFC gets closed within 14 days.

- Patch Driver Format: Specify the patch driver format.
- Base Language - Specify the language preference.
- Allow Auto Header - Additionally, if the Allow Auto Header check box is not selected in your Packager customer preferences, file headers are not inserted into CEMLI files.

Before upload, you must insert headers into all CEMLI files that require them, ensuring that headers use the correct format, as described in [CEMLI File Header Format](#).

8. Click **Save Preferences**.

6

Exadata CPU Scaling

Learn how to increase or decrease the number of OCPUs (Oracle CPUs) assigned to the Exadata database.

About this task

For example, the database CPU can be scaled upwards during peak load times and scaled down thereafter.

CPU Scaling on the database can also be scheduled to run in the future to offset workload changes, anticipated or known in advance.

Creating and Scheduling Executions

You can create an execution when you need to either scale up or down your Exadata database CPUs. The executions you create are displayed in the Exadata CPU Scaling page. The Exadata Infrastructure corresponding to your environment can host multiple databases. You can scale up or down the CPU allocation for each database hosted on an Exadata Infrastructure. After creating your execution, you can schedule it to run at a particular date and time.

- Creating an RFC Execution
- Scheduling an RFC
- Editing an RFC Execution

Creating an RFC Execution

Learn how to create an RFC execution.

About this task:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **Exadata CPU Scaling**. (or)
4. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **Exadata CPU Scaling**.
5. On the **Exadata** page, click **Create Execution**.
6. In the **Create Execution**, set the following parameters:
 - Environment - Select a target environment where you want to deploy the patch. This list is populated with all the environments associated with the **Support Identifier (SI)**.
 - Exadata Infrastructure - This section auto populates Exadata infrastructure details based on the selected environment.
 - Database servers - Number of database servers.

- OCUP Application - Number of OCPUs that are allocated in the target environment.
 - Display name - Name of the environment.
 - Shape - Compute shape name.
 - Tenancy - Name of the tenancy.
 - Region - Name of the region.
 - Database Hosted - This section displays the selected Exadata database details.
 - RFC Details - In this section, set the following parameters:
 - Primary contact - Primary contact of customer in ticketing application.
 - Summary - A brief description about the execution.
7. Click **Next**.

Scheduling an RFC Execution

Learn how to schedule an RFC execution.

About the task:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **Exadata CPU Scaling**. (or)
4. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **Exadata CPU Scaling**.
5. The **Exadata Execution** page enables you to complete the process in two steps - Create and Schedule.
6. In the **Schedule Execution** page, set the execution date.
7. Click **Done**

Editing an RFC Execution

Learn how to cancel or reschedule an RFC.

Steps to cancel or reschedule an RFC:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **Refresh**. (or)
4. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **Exadata CPU Scaling**.
5. On the **Exadata** page, select an RFC in "Ready for Scheduling" status and click **View Execution Details** from the actions menu.
6. In the **Schedule** page, click **Cancel Execution** to cancel the scheduled RFC.
7. To reschedule, on the **Exadata** page, select an RFC in "Ready for Scheduling" status and click **View Execution Details** from the actions menu.

8. In the **Schedule** page, set the execution date and click **Reschedule** to reschedule the RFC.

Managing Self-Service VM Bounce

Using the Self-Service VM Bounce/Stop/Start, you can bounce, stop, or start EBS services such as **All APPS with VM** and **All APPS and DB with VM**. Similarly for JDE services such as **JDE Apps Restart**, **JDE VM and Apps Start** and **JDE VM and Apps Stop**. For example, All the applications along with VM on EXA or Non EXA can be bounced post a patching activity.

About this task:

VM Bounce can also be scheduled to run in the future to offset workload changes, anticipated or known in advance.

- Creating a Self Service VM Bounce Execution
- Scheduling a Self Service VM Bounce Execution
- Approving a Self Service VM Bounce Execution

Creating a Self Service VM Bounce Execution

Learn how the OCI users can work with self-service VM Bounce/Stop/Start to bounce, stop, and start All MT Tiers (EXA or Non EXA) and Mid Tiers/DB Tier (Non EXA).

About this task:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **Bounce**. (or)
4. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **Bounce**.
5. On the **Bounce** page, click .
6. In the **Create Bounce Execution**, set the following parameters.

 Note:

- Support identifier - This field value is automatically populated with the numbers of selected patches. the summary field is automatically populated with the number of patches to be applied.
- Environment - Select a target environment where you want to deploy the patch. This list is populated with all the environments associated with the **Support Identifier (SI)**.
- Operation - For Operation, select any of the following:
 - Bounce
 - Stop
 - Start (This option is visible only when previous RFC operation is stopped).
- Services - Select one of the following options:
 - All (Apps and DB) with VM - Select this option to bounce/Stop/Start all apps and database.
 - All Apps with VM - Select this option to bounce/Stop/Start all MT services.
- Blackout Duration Days - Select the blackout duration (in days) during bounce execution.
- Blackout Duration Hours - Select the blackout duration (in hours) during bounce execution.
- RFC Duration - Select the RFC duration.
- RFC Type - Click the **RFC Type** box, so the **RFC Type** and **RFC Sub Type** gets auto populated.
- RFC Subtype - Value gets auto populated based on the RFC type that's selected as part of MOS Request for change.
- Primary Contact E-mail - Primary contact of customer in ticketing application.
- Customer Note - Select an action plan or more information to customers as part of request for Change RFC.
- Summary - A brief description about the execution.
- Enable Special Instruction Steps - Select the checkbox to set the following parameters:
 - Bounce Options. Select one or more apps components from the list.

7. Click **Next**.

Scheduling a Self Service VM Bounce Execution

Learn how to schedule a self service VM bounce.

About this task:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.

2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **Bounce**. (or)
4. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **Bounce**.
5. On the **Bounce** page, click **Initiate Bounce**.
6. The **Create Bounce Execution** page enables you to complete the process under file milestones - Initiate, Schedule, and Approve in wizards.
7. In the **Schedule** wizard, set the following parameters:
 - Select Time - Select a time to schedule the patch execution.
 - In 15 minutes. Select this option and check this radio button if you want to schedule the execution in the next 15 minutes.
 - Future Time - Select this option and use the date picker to select a date and time to schedule the execution.
8. Click **Next**.

Approving a Self Service VM Bounce Execution

Learn how to approve a self service VM bounce execution.

About this task:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **Bounce**. (or)
4. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **Bounce**.
5. On the **Bounce** page, click **Initiate Bounce**.
6. The **Create Bounce Execution** page enables you to complete the process under file milestones - Initiate, Schedule, and Approve in Wizards.
7. The **Approval** wizard displays all the selected data for validation.
8. Click **Approve**.
9. The RFC execution is successfully scheduled and the RFC is listed in the execution summary list .

8

Using Datafix

Learn about the actions you can take on Datafix files using Oracle Cloud Success Navigator-Self Service Platform.

- Before Uploading Datafixes
- Uploading Datafix Files
- Managing Datafix Files
- Scheduling Datafix Execution
- Scheduling Datafix Using Packager

Before Uploading Datafixes

Learn about some of the considerations before uploading Data fix files.

File Format and Object Type Considerations

All Data fix files that you upload must use the Oracle standard format and consists of only SQL, PLSQL, text, and PLS file extensions.

Attributes which are part of the Data fix file are as shown in the following list:

- File Header: Specifies the file header for SQL, PLSQL, text, and PLS files.
- Description: Provides a free-text description of the Data fix file. Also useful in identifying different versions of the same Data fix file.
- Version: Specifies the file version, in numeric form, as identified in the header. For example, 123.1.3.
- NLS Language: The supported NLS language is USA by default and no other languages are supported.

Additionally, if the Allow Auto Header check box is not selected in your Packager customer preferences, file headers are not inserted into Data fix files. Before upload, you must insert headers into all Data fix files that require them, ensuring that headers use the correct format, as described in CEMLI and Data Fix File Header Format.

If you have not created your Data Fix files, configure this setting as explained in Setting Packager Customer Preferences. Otherwise, add headers manually, using the format described in Setting Packager Customer Preferences.

Uploading Datafix Files

Learn how to upload Data fix files to Oracle Cloud Success Navigator-Self Service Platform. • Don't delete <prolog> or change <othermeta>. • If your team creates indexes, then, after <metadata>, insert <keywords> and <indexterm>.

About this task:

To upload Data fix files:

1. In the dashboard, click the hamburger menu (three horizontal lines) at the top-left corner.
2. In the navigation pane, under **Data Fix**, click **Files**.

 Note:

All the uploaded Data Fix files are displayed.

3. To refresh the list, click the refresh icon.
4. To view the archived files, move the **Display Archive** slider to the right.
5. To search for a file, type a few letters of the search criteria in the search text box, and press **Enter**.

 Note:

You can search by entering a few letters of the description, Data fix file name, product, file type, or upload details.

6. To archive a file, click the file, and in the file details page, click **Archive**.
7. To delete a file, click the file, and in the file details page, click **Delete**.
8. To download a file, click the file, and in the file details page, click **Download**.
9. To upload file, click **Upload Files**.
10. In the **Upload File(s)** page, Drag-and-drop or select the files to upload.
11. Enter a **Description**.
12. Click **Upload**.
13. If the system identifies the uploaded Data fix file as a static file, the Data fix file is listed in the **Files** page.
14. If the system identifies the uploaded Data fix file as a parameterized file, you are prompted to enter more information (data sets) in the **Need additional input from user** box.
15. Click .
16. Click **Upload CSV** to upload the parameters file.
The file input parameters are populated in a row.
17. Click **OK**.
The Data fix file is listed in the Files page.
18. To reselect another file to upload, click **Clear All**.
Selections done are cleared, and you can now make a new selection.
19. To view details of an existing uploaded file, click on the file name from the files list.

Managing Datafix Files

Learn how to manage data files in Oracle Cloud Success Navigator-Self Service Platform

About this task

1. In the **Self Service Management** home page, under **Customer Self Service**, click **Datafix**.

2. On the **Datafix** page, Click **Files**.
3. The **Files** page displays a list of Datafix SQL files.
4. Use the following options to manage SQL files:
 - Refresh. To refresh the file list, click the refresh icon.
 - Export - To download and export a data file in CSV format.
 - Include Archive - To include archived SQL files to the list, switch the **Include Archived** toggle button to the right side.
 - Search - To search a file, enter a search criteria and press enter.
 - Download - To download a file, select a file and click **Download** from the actions menu.
 - Delete - To delete a file, select a file and click **Delete** from the actions menu.
 - Archive - To archive a file, select a file and click **Archive** from the actions menu.
 - Restore - To restore a file, select a file and click **Restore** from the actions menu.
5. In the **Upload File(s)** page, set the following parameters:
Drag and Drop. Select one or more files to upload.
6. Based on the file that you selected, the file details are available in the **Individual File** summary table.
7. In the **Individual File(s)** summary table, enter a **Description**, select the **File Type**, **Language**, and the **Version**.
8. To reselect another product and file to upload, click **Clear All**.
Selections done are cleared, and you can now make a new selection.
9. From the list of files in the Individual File(s) summary table, click a file name to open its details page.
10. Click **Upload**.
11. Once the file is uploaded, the file status is set as **Upload Successful**.
12. To reconfirm your file upload, click **Back** to navigate to **Files** page and view the file listed in the SQL files summary table.

Scheduling Datafix Execution

Learn how to schedule datafix execution.

About this task:

Each environment requires a separate MOS RFC, which can be created from Oracle Automated Data Fix Execution. If you have the *CreateRFC* and *Authorized Approver* privilege in MOS, you can use Packager to create and schedule RFCs for your environment. Otherwise, an authorized approver for your organization will need to schedule any RFCs you create.

This section describes how to schedule a data fix deployment using Packager. For more information, see *Scheduling Datafixes Using Packager*.

**Note:**

To schedule RFCs in Packager, you must have the *MOS Authorized Approver* privilege for the Oracle E-Business Suite environment where the Data fix will be deployed. Otherwise, request that a MOS authorized approver for your organization schedules the RFC through Oracle Automated Data Fix Execution.

1. In the **Self Service Management** home page, under **Customer Self Service**, click **Datafix**.
2. On the **Datafix** page, Click **Files**.
3. The **Execution** page displays a list of SQL files for execution.
4. Use the following options to manage execution files in the summary list:
 - Refresh. To refresh the Data Fix file list, click the refresh icon.
 - Search - To search a file and display selective files, enter a search criteria such as RFC, file name, and so forth and press enter.
 - RFC Status Open - By default, all the closed RFC patches. Toggle the switch to the right side to display all RFC files in Open status.

**Note:**

In general, you must close an RFC within 7 days or the RFC gets closed within 14 days.

- View execution details - To view the details, select a files and click **View Execution Details** from the actions menu.
 - Export - To export the files in CSV format. In the Export dialog box, provide a data range and file parameter to export specific data within the selected date range.
5. Click **Initiate Datafix Activity** to execute a SQL file.
 6. The **Create Datafix Activity** page enables you to complete the process as Initiate, Create, Schedule, and Approve in Wizards.
 7. In the **Initiate** wizard, set the following parameters:
 - Support identifier - This field value is automatically populated with the numbers of selected files. the summary field is automatically populated with the number of files to be applied.
 - Environment - Select a target environment where you want to deploy the files. This list is populated with all the environments associated with the **Support Identifier (SI)**.
 - RFC Type - Click the **RFC Type** box, so the **RFC Type** and **RFC Sub Type** gets auto populated.
 - RFC Subtype - Value gets auto populated based on the RFC type that's selected as part of MOS Request for change.
 - Primary Contact E-mail - Primary contact of customer in ticketing application.
 - Estimated Time to Apply Changes - Estimated time required to complete the RFC execution.

- Customer Note - Select an action plan or more information to customers as part of request for ChangRFC.
- Summary - A brief description about the execution.
- Hot Backup Options - For Prod instance, Hot Backup check box would be auto selected and not allowed to uncheck (if Auto Backup is selected YES under General Preferences). User will be allowed to uncheck the Hot backup for Prod instance only when Auto Backup is selected as NO under general Preferences.

 Note:

Prefer to always select Hot Backup for Prod instances. For Non-Prod instance, Hot Backup check box is not auto selected or allowed to uncheck but, you can uncheck the Hot backup for Non-Prod instance.

8. Click **Next**.

9

Using Bounce

Learn how the OCT users can work with self-service Bounce to shut down, start up, and bounce DB Tier and MidTiers and/or MidTier components (individual or combination of components).

About this task:

- Managing Bounce RFCs
- Creating a Bounce Execution
- Scheduling a Bounce Execution
- Approving a Bounce Execution

Managing Bounce RFCs

Learn to manage bounce RFCs.

1. **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **Bounce**. (or)
4. On the Oracle Cloud Success Navigator **Dashboard**, under **Quick Links**, click **Bounce**.
5. On the **Bounce** page, use the following options to manage RFC files in the summary list:
 - Refresh - Click refresh icon to refresh the file list.
 - RFC Status - Switch the **RFC Status** toggle button to the right side to include files with RFC status.
 - Search - To search a file, enter a search criteria and press enter.
 - Download - Click the download icon or click **Download** from the actions menu to download a file in CSV format.
 - View execution details - Click **View Execution Details** from the actions menu to view the execution details of the RFC.

<Enter a single subject here.>

Creating a Bounce Execution

Learn how to create a bounce execution.

1. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **Bounce**.
2. On the **Bounce** page, click **Initiate Bounce**.
3. In the **Create Bounce Execution**, set the following parameters.
 - Support identifier - This field value is automatically populated with the numbers of selected patches. the summary field is automatically populated with the number of patches to be applied.

- Environment - Select a target environment where you want to deploy the patch. This list is populated with all the environments associated with the **Support Identifier (SI)**.
- Operation - For Operation, select any of the following:
 - Bounce
 - Stop
 - Start (This option is visible only when previous RFC operation is stopped).
- Services - Select one of the following options:
 - All (Apps and DB) - Select this option to bounce/Stop/Start all MT and DB services.
 - All Apps - Select this option to bounce/Stop/Start all MT services
 - Apps Components - Select individual components such as Apache, OPMN and so forth.



Note:

The Bounce/Stop field is automatically filled in with data on the host and service that need to be restarted/stopped.

- Blackout Duration Days - Select the blackout duration (in days) during stop execution.
- Blackout Duration Hours - Select the blackout duration (in hours) during stop execution.
- RFC Duration - Select the RFC duration.
- RFC Type - Click the **RFC Type** box, so the **RFC Type** and **RFC Sub Type** gets auto populated.
- RFC Subtype - Value gets auto populated based on the RFC type that's selected as part of MOS Request for change.
- Primary Contact E-mail - Primary contact of customer in ticketing application.
- Customer Note - Select an action plan or more information to customers as part of request for ChangRFC.
- Summary - A brief description about the execution.
- Enable Special Instruction Steps - Allows you to enable or disable special instructions only in scenarios where the service type is selected as "Apps components". For other services like All Apps, All Apps & DB, special instruction step is enabled and you cannot disable the option. If you select service type as "Apps Components", then set the following bounce options:
 - Bounce Options. Select the bounce options.



Note:

You can't select bounce option at host level but select components only as Bounce options.

4. Click **Next**.

<Enter a single subject here.>

Scheduling a Bounce Execution

Learn how to schedule a bounce execution.

About this task:

1. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **Bounce**.
2. On the **Bounce** page, click **Initiate Bounce**.
3. The **Create Bounce Execution** page enables you to complete the process in three steps - Initiate, Schedule, and Approve.
4. In the **Schedule** wizard, set the following parameters:
 - Select Time - Select a time to schedule the patch execution.
 - In 15 minutes. Select this option and check this radio button if you want to schedule the execution in the next 15 minutes.
 - Future Time - Select this option and use the date picker to select a date and time to schedule the execution.
5. Click **Next**.

Approving a Bounce Execution

Learn to approve a bounce execution.

1. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **Bounce**.
2. On the **Bounce** page, click **Initiate Bounce**.
3. The **Create Bounce Execution** page enables you to page enables you to complete the process in three steps - Initiate, Schedule, and Approve.
4. The **Approval** wizard displays all the selected data for validation.
5. Click **Approve**.
6. The RFC execution is successfully scheduled and the RFC is listed in the execution summary list .

<Enter a single subject here.>

Licensing Information

Learn about the licensing information on third-party products included with Oracle Cloud Success Navigator-Self Service Platform.

- Introduction to Licensing
- Third Party Product Licensing

<Enter a single subject here.>

Introduction to Licensing

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Chai - v4.2.0

<https://github.com/chaijs/chai>

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expression-eval - v2.0.0

<https://github.com/donmccurdy/expression-eval>

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sep - v0.3.4

<https://github.com/soney/jsep>

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proj4js - v2.5.0

<http://proj4js.org/>

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require-css - v0.1.10

<https://github.com/guybedford/require-css>

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Hammer.JS - v2.0.8 - 2016-04-22

<http://hammerjs.github.io/>

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Normalize.scss

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RequireJS i18n 2.0.2

<http://github.com/requirejs/i18n> for details

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jsTree 1.0-rc3 <http://jstree.com/>

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select2.js <https://github.com/select2/select2>

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jQuery UI - v1.12.1 - 2015-03-18

<http://jqueryui.com>

Includes: core.js, widget.js, mouse.js, position.js, draggable.js, sortable.js

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jQuery JavaScript Library v3.6.0

<http://jquery.com/>

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JS Signals <<http://millermedeiros.github.com/js-signals/>>

Author: Miller Medeiros

Version: 1.0.0 - Build: 268 (2012/11/29 05:48 PM)

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RequireJS text 2.0.15

<http://github.com/requirejs/text>

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RequireJS 2.3.6

<http://github.com/jrburke/requirejs>

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Knockout JavaScript library v3.5.1

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Preact - v10.5.13

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js-cookie

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CEMLI File Object Types

Learn about all the CEMLI file objects that are supported in Navigator Self-Service CEMLI Execution.

The following topics are covered in this appendix:

- Object Types
- Object Types That Do Not Require a Header
- Object Types That Require a Header
- Object Types That Support NLS Languages
- Object Types That Use Parameters

Object Types

Learn about all object types that can be associated with your uploaded files.



Note:

You **must** select the correct object type. Otherwise you may not see the expected result following deployment of the patch.

File extension naming conventions for SQL scripts are provided as guidelines only, and you are not required to create SQL scripts with these particular extensions. By default, the object type is assigned based on the file extension. Therefore, it is faster to upload customized files with file extension.

Object Type	File Extension	Description	Execution Phase(1)	Default Sequence	Alternative Method
APPS Package Body	pkb	Custom package body to be installed in APPS schema	plb	3	Include in APPS Package Spec script
APPS Package Spec	pks	Custom package spec to be installed in APPS schema	pls	3	Not applicable
APPS Synonym	syn	Create synonyms for custom objects	en	50	Include in SQL File Copy and Execute as APPS
APPS View	vw	Custom views to be created in APPS schema	vw	3	Include in SQL File Copy and Execute as APPS

Object Type	File Extension	Description	Execution Phase(1)	Default Sequence	Alternative Method
BC4J Substitution	bc4j_jpx	Customization of Business Components for Java	dat	25	Not applicable
Bitmap Image	bmp	Bitmap image file	Not applicable	Not applicable	Not applicable
Compressed File	zip	Zip file	Not applicable	Not applicable	Not applicable
Configuration File	cfg	Configuration file	Not applicable	Not applicable	Not applicable
Copy and deploy Java classes and BC4J XML objects	oa_java_type	Copy and deploy Java classes and BC4J XML	last	3	Not applicable
Copy and load an OAF Page into DB	oaf_page	Copy and load an OAF Page into DB	dat	24	Not applicable
Copy and load an OAF Translations into DB	oaf_translation	Copy and load an OAF Translations into DB	dat	25	Not applicable
Copy and load XML Gateway DTD into DB	ecx_dtd	Copy and load XML Gateway DTD into DB	Not applicable	Not applicable	Not applicable
Copy and load XML Gateway mapping into DB	ecx_mapping	Copy and load XML Gateway mapping into DB	Not applicable	Not applicable	Not applicable
Copy Java class	oa_java_classes	Copy Java class	last	3	
Custom Index	c_idx	Index on custom table	dfr	3	Include in Custom Table script
Custom Package Body	c_pkb	Package body to be installed in custom schema	plb	3	Include in Package Spec script
Custom Package Spec	c_pks	Package spec to be installed in custom schema. Include DDL for grants to APPS schema.	pls	3	Not applicable
Custom Patch	c_patch	Cemli Patch file built from EM	Not applicable	Not applicable	Not applicable
Custom Sequence	c_seq	Custom sequence	seq	3	Not applicable
Custom SQL File Copy and Execute	c_sql_exec	Any valid SQL script including DDL. Can be used to produce spool output.	dfr	99	Not applicable
Custom Table	c_tbl	Custom table. Include DDL for grants to APPS schema.	tab	3	Not applicable
Custom Trigger	c_trg	Custom trigger	en	3	Custom Table script
Custom View	c_vw	View to be created in custom schema. Include DDL for grants to APPS schema.	vw	3	Not applicable

Object Type	File Extension	Description	Execution Phase(1)	Default Sequence	Alternative Method
Discoverer Export	dis	Oracle Discoverer	Not applicable	Not applicable	Not applicable
Discoverer File	eex	Oracle Discoverer	Not applicable	Not applicable	Not applicable
Driver File	drv	EBSO Patch Driver file	Not applicable	Not applicable	Not applicable
Dump File	dmp	Oracle Database dump file	Not applicable	Not applicable	Not applicable
Excel File	xls	Microsoft Excel file	Not applicable	Not applicable	Not applicable
FDI File	fdi	Disk image file	Not applicable	Not applicable	Not applicable
FDO File	fdo	Form definition operator script	Not applicable	Not applicable	Not applicable
FND Message Loader Text	msg	FND Loader message file	daa	3	Not applicable
FNDLOAD Control File	lct	FND Loader control file	Not applicable	Not applicable	Not applicable
FNDLOAD Data File	ldt	FND Loader data file	daa	52	Not applicable
Forms Compiled	fmX	Oracle compiled form	Not applicable	Not applicable	Not applicable
Forms Library Source and Runtime	pll	Custom library attached to forms	Not applicable	Not applicable	Not applicable
Forms Menu File	mmb	Forms menu file	Not applicable	Not applicable	Not applicable
Forms Source and Text	fmb	Forms source file	Not applicable	Not applicable	Not applicable
Generic File Copy to Deployment Path	gen_cp	Generic File Copy to specified location	first	3	Not applicable
Graphic Interchange Format File	gif	Gif image file	upg	3	Not applicable
Help File	hlp	Help file	Not applicable	Not applicable	Not applicable
Hypertext File	htm	HTML file	upg	3	Not applicable
Hypertext Markup	html	HTML file	Not applicable	Not applicable	Not applicable
Image Files	img	Standard image file	Not applicable	Not applicable	Not applicable
JPEG Image	jpg	JPEG image file	Not applicable	Not applicable	Not applicable
Java Archive File	jar	Java archive	Not applicable	Not applicable	Not applicable
Java File	java	Java file	Not applicable	Not applicable	Not applicable
Java Loader Text	jlt	Java loader file	dat	4	Not applicable
Javascript File	js	JavaScript file	Not applicable	Not applicable	Not applicable

Object Type	File Extension	Description	Execution Phase(1)	Default Sequence	Alternative Method
Java Server Page	jsp	Java Server Page file	Not applicable	Not applicable	Not applicable
MAC File	mac	Macro file	Not applicable	Not applicable	Not applicable
Message File	msb	Message file	Not applicable	Not applicable	Not applicable
OAF zip file	oaf_zip	Oracle Application Framework zip file	Not applicable	Not applicable	Not applicable
ODF File	odf	Object definition file	seq	3	Not applicable
Office Binder Document File	obd	Online help file	Not applicable	Not applicable	Not applicable
Oracle Graphs File	ogd	Oracle Graphics file	Not applicable	Not applicable	Not applicable
OWB Text File	mdl	Text file created by Oracle Warehouse Builder (OWB) metadata loader file for data import	Not applicable	Not applicable	Not applicable
PDF Documents	pdfh	Adobe Acrobat document	Not applicable	Not applicable	Not applicable
PDF Templates	pdft	PDF template file	Not applicable	Not applicable	Not applicable
Perl Module	pm	Perl module file	Not applicable	Not applicable	Not applicable
Perl Script	pl	Perl script file	Not applicable	Not applicable	Not applicable
Portable Document Format File	pdf	Adobe Acrobat document	Not applicable	Not applicable	Not applicable
Portable Network Graphic File	png	Portable network graphics file	Not applicable	Not applicable	Not applicable
PRT File	prt	Oracle Reports driver file	Not applicable	Not applicable	Not applicable
Rapid Install Response	rsp	Rapid Install Response file	Not applicable	Not applicable	Not applicable
Reports Library Source and Runtime	rpl	Custom library attached to reports	Not applicable	Not applicable	Not applicable
Reports Source and Runtime	rdf	Custom report	Not applicable	Not applicable	Not applicable
RTF File	rtf	Rich Text Format file	Not applicable	Not applicable	Not applicable
Shell Script Copy and Execute at End	shell_exec_last	Copy and execute Shell script at end of patching	last	98	Not applicable
Shell Script Copy and Execute at Start	shell_exec_first	Copy and execute Shell script at start of patching	first	3	Not applicable
Shell Script Copy Only	shell	Shell script copy to CUSTOM_TOP	Not applicable	Not applicable	Not applicable
SQL File Copy and Execute as APPS	sql_exec	Any valid SQL script including DDL. Can be used to produce spool output.	last	3	Not applicable

Object Type	File Extension	Description	Execution Phase(1)	Default Sequence	Alternative Method
SQL File Copy Only	sql	SQL file copied to CUSTOM_TOP	Not applicable	Not applicable	Not applicable
SQL Loader Control File	ctl	SQL Loader Control file	Not applicable	Not applicable	Not applicable
SQL Loader Data File	dat	SQL Loader Data file	Not applicable	Not applicable	Not applicable
Standard XML File	amx	Standard XML file	Not applicable	Not applicable	Not applicable
Style Sheets (css)	css	Style sheet	upg	3	Not applicable
Symbols File	sym	Always accompanies a dll	Not applicable	Not applicable	Not applicable
TAG File	tag	Query tag name file	Not applicable	Not applicable	Not applicable
Tagged Image Format File	tif	TIFF image file	Not applicable	Not applicable	Not applicable
Unix Shared Library	so	Shared library file	Not applicable	Not applicable	Not applicable
WF Business Event/Subscription	wfx	Workflow Business Event XML Loader file	daa	3	Not applicable
WF Msg Resource File	res	Resource file to store WF messages and used by WF Resource Generator	Not applicable	Not applicable	Not applicable
Workflow Data File	wft	Workflow text file	daa	38	Not applicable
XML File	xml	File in standard extensible markup language (.xml) format	Not applicable	Not applicable	Not applicable
XML Publisher Bursting File	xmfp_bf	XML Publisher Bursting file	dat	3	Not applicable
XML Publisher Data Template	xmfp_dt	XML Publisher data template	dat	3	Not applicable
XML Publisher RTF/XLS file	xmfp_rtf	XML Publisher RTF file	dat	3	Not applicable
XML Publisher XLF file	xmfp_xlf	XML Publisher XLF file	last	3	Not applicable
XML Publisher XSL file	xmfp_xsl	XML Publisher XSL file	dat	3	Not applicable

**Note:**

For information on the order in which phases are executed during patching, please see Patch Phases.

Object Types That Do Not Require a Header

Learn the object types that do not require file headers.

Object Type	Description
bmp	Bitmap image
c_patch	Custom patch
dmp	Dump file
fdi	FDI file
fdo	FDO file
gen_cp	Generic File Copy to Deployment Path
gif	Graphic Interchange Format file
hlp	Help file
img	Image file
jar	Java archive file
jpg	JPEG image
mac	Mac File
oa_java_class	Copy Java class
oaf_zip	OAF zip file
obd	Office Binder Document file
pdf	Portable Document Format file
pdfh	PDF documents
pdft	PDF templates
png	Portable Network Graphic file
prt	PRT file
so	UNIX shared library
sym	Symbols file
tif	Tagged Image Format file
xls	Excel file
zip	Compressed file

Object Type that Need Header

Learn about the object types that require file headers.

Object Type	Description	Binary File(1)	Header Format(2) (3)
APPS Package Body	pkb	No	REM \$HEADER\$
APPS Package Spec	pks	No	REM \$HEADER\$
APPS Synonym	syn	No	REM \$HEADER\$
APPS View	vw	No	REM \$HEADER\$
BC4J Substitution	bc4j_jpx	No	@2<!-- \$HEADER\$ -->
Configuration File	cfg	No	\$HEADER\$
Copy and deploy Java classes and BC4J XML objects	oa_java_type	No	/* \$HEADER\$ */
Copy and load an OAF Page into DB	oaf_page	No	@2<!-- \$HEADER\$ -->
Copy and load an OAF Translations into DB	oaf_translation	No	@2<!-- \$HEADER\$ -->

Object Type	Description	Binary File(1)	Header Format(2) (3)
Copy and load XML Gateway DTD into DB	ecx_dtd	No	<!-- \$HEADER\$ -->
Copy and load XML Gateway mapping into DB	ecx_mapping	No	<!-- \$HEADER\$ -->
Custom Index	c_idx	No	REM \$HEADER\$
Custom Package Body	c_pkb	No	REM \$HEADER\$
Custom Package Spec	c_pks	No	REM \$HEADER\$
Custom Sequence	c_seq	No	REM \$HEADER\$
Custom SQL File Copy and Execute	c_sql_exec	No	REM \$HEADER\$
Custom Table	c_tbl	No	REM \$HEADER\$
Custom Trigger	c_trg	No	REM \$HEADER\$
Custom View	c_vw	No	REM \$HEADER\$
Discoverer Export	dis	No	\$HEADER\$
Discoverer File	eex	No	\$HEADER\$
Driver File	drv	No	# \$HEADER \$
FND Message Loader Text	msg	Yes	\$HEADER\$
FNDLOAD Control File	lct	No	-- \$HEADER\$
FNDLOAD Data File	ldt	No	# \$HEADER\$
Forms Compiled	fmX	Yes	\$HEADER\$
Forms Library Source and Runtime	pll	Yes	\$HEADER\$
Forms Menu File	mmb	Yes	\$HEADER\$
Forms Source and Text	fmb	Yes	\$HEADER\$
Hypertext File	htm	No	<!-- \$HEADER\$ -->
Hypertext Markup	html	No	<!-- \$HEADER\$ -->
Java File	java	No	/* \$HEADER\$ */
Java Loader Text	jlt	No	-- \$HEADER\$
Java Server Page	jsp	No	<% -- "\$HEADER\$" -- %>
Javascript File	js	No	/* \$HEADER\$ */
Message File	msb	Yes	\$HEADER\$
ODF File	odf	No	# \$HEADER\$
Oracle Graphs File	ogd	Yes	\$HEADER\$
OWB Text File	mdl	No	\$HEADER\$
Perl Module	pm	No	# \$HEADER\$
Perl Script	pl	No	# \$HEADER\$
Rapid Install Response	rsp	No	\$HEADER\$
Reports Library Source and Runtime	rpll	Yes	\$HEADER\$
Reports Source and Runtime	rdf	Yes	\$HEADER\$
RTF File	rtf	Yes	\$HEADER\$
Shell Script Copy and Execute at End	shell_exec_last	No	# \$HEADER\$
Shell Script Copy and Execute at Start	shell_exec_first	No	# \$HEADER\$

Object Type	Description	Binary File(1)	Header Format(2) (3)
Shell Script Copy Only	shell	No	@2# \$HEADER\$
SQL File Copy and Execute as APPS	sql_exec	No	REM \$HEADER\$
SQL File Copy Only	sql	No	REM \$HEADER\$
SQL Loader Control File	ctl	No	-- \$HEADER\$
Standard XML File	amx	No	@2<!-- \$HEADER\$ -->
Style Sheets (css)	css	No	/* \$HEADER\$ */
TAG File	tag	No	\$HEADER\$
WF Business Event/ Subscription	wfx	No	\$HEADER\$
WF Msg Resource File	res	Yes	\$HEADER\$
Workflow Data File	wft	No	# \$HEADER\$
XML File	xml	No	@2<!-- \$HEADER\$ -->
XML Publisher Bursting File	xmfp_bf	No	@2<!-- \$HEADER\$ -->
XML Publisher Data Template	xmfp_dt	No	@2<!-- \$HEADER\$ -->
XML Publisher RTF/XLS file	xmfp_rtf	Yes	\$HEADER\$
XML Publisher XLF file	xmfp_xlf	No	@2<!-- \$HEADER\$ -->
XML Publisher XSL file	xmfp_xsl	No	@2<!-- \$HEADER\$ -->

Object Types that Support NLS Languages

Learn about the object types that support NLS languages.

Object Type	Description
c_patch	Custom patch
dis	Discoverer export
eex	Discoverer file
fmb	Forms source and text
fmf	Forms compiled
htm	Hypertext file
jlt	Java loader text
ldt	FNDLOAD data file
mdl	OWB text file
mmb	Forms menu file
msg	FND message loader text
oaf_translation	Copy and load an OAF translation into the Oracle database
rdf	Reports source and runtime
wft	Workflow data file
wfx	WF business event/subscription
xls	Excel file
xml	XML file
xmfp_bf	XML Publisher Bursting file

Object Type	Description
xmtp_dt	XML Publisher Data template
xmtp_rtf	XML Publisher RTF/XLS file
xmtp_xlf	XML Publisher XLF file
XML Publisher XSL file	XML Publisher XSL file

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Object Types That Use Parameters

Learn how to use the Parameters field associated with object types in Packager.

Object Type	Parameter	Parameter Code	Default Value
Copy and deploy Java classes and BC4J XML objects	Deployment Path	DEPLOYMENT_PATH	No default value
Copy and load XML Gateway DTD into DB	Deployment Path	DEPLOYMENT_PATH	No default value
Copy and load an OAF Page into DB	Deployment Path	DEPLOYMENT_PATH	No default value
Copy Java class	Deployment Path	DEPLOYMENT_PATH	No default value
Generic File Copy to Deployment Path	Deployment Path	DEPLOYMENT_PATH	No default value
XML Publisher Bursting File	Product Short Name	APPS_SHORT_NAME	\$mod
	LOB Type	LOB_TYPE	BURSTING_FILE
	LOB Code	LOB_CODE	No default value
	Language	LANGUAGE	en
	Territory	TERRITORY	US
	File Type	XDO_FILE_TYPE	XML-BURSTING-FILE
XML Publisher Data Template	Product Short Name	APPS_SHORT_NAME	\$mod
	LOB Code	LOB_CODE	No default value
	Language	LANGUAGE	00
	Territory	TERRITORY	00
	File Type	XDO_FILE_TYPE	XML-DATA-TEMPLATE
XML Publisher RTF/XLS file	LOB Type	LOB_TYPE	TEMPLATE_SOURCE
	Product Short Name	APPS_SHORT_NAME	\$mod
	LOB Code	LOB_CODE	No default value
	Language	LANGUAGE	en
	Territory	TERRITORY	00
	File Type	XDO_FILE_TYPE	RTF
XML Publisher XLF file	Translate	TRANSLATE	Y
	Product Short Name	APPS_SHORT_NAME	\$mod
	Template Code	TEMPLATE_CODE	null
XML Publisher XSL file	LOB Type	LOB_TYPE	TEMPLATE_SOURCE

Object Type	Parameter	Parameter Code	Default Value
	Product Short Name	APPS_SHORT_NAME	\$mod
	LOB Code	LOB_CODE	No default value
	Language	LANGUAGE	en
	Territory	TERRITORY	00
	File Type	XDO_FILE_TYPE	XSL-XML
	Translate	TRANSLATE	Y

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Using EBS Refresh

Learn how to create and schedule an RFC Refresh from one Source EBS instance to Target instance.

About this task:

1. In the Customer Success Services home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **Refresh**. (or)
4. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **Refresh**.

Managing EBS Refresh

Learn how to manage EBS referesh.

About this task:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **Refresh**. (or)
4. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **Refresh**.
5. On the **Refresh** page, use the following options to manage EBS RFCs in the summary list:
 - Refresh - Click refresh icon to refresh the RFC list.
 - RFC Status - Switch the **RFC Status** toggle button to the right side to include files with RFC status.
 - Search - To search a file for RFC Number, RFC status, Source and Target instance details, or execution status, enter a search criteria and press enter.
 - Export - To export the file in CSV format. In the Export dialog box, provide a data range and file parameter to export specific data within the selected date range.
 - View execution details - Click **View Execution Details** from the actions menu to view the execution details of the RFC.

Creating an EBS Refresh

Learn how to create an EBS refresh.

About this task:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **Refresh**. (or)

4. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **Refresh**.
5. On the Refresh page, select **Initiate Refresh**.
6. The **Create Refresh Execution** page enables you to perform the scheduling in three steps - create, schedule and approve in a wizard sequence. **Note:** Only if you (as a requester) have approval permission, you can perform all the three steps in the wizard sequence. Otherwise, you can only create a refresh.
7. In the **Create Refresh Execution** page, set the following parameters:
 - Source Instance - Select a source instance from the list.
 - Target Instance - Select a target EBS instance from the list.
 - Primary Contact E-mail - This value get auto populated based on user sign in details.
 - Summary - Provide a brief description.
8. Click **Next**.

 Note:

The create request is processed and the RFC displays in the EBS Refresh summary list.

Scheduling a EBS Deployment

Learn how to schedule EBS deployment.

About this task:

After you have successfully created an RFC, if you (as a requester) is an authorized approver, the Schedule Refresh wizard enables you to schedule the deployment. Otherwise, the option appears disabled with a warning message "you are not authorized to schedule/cancel the execution".

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **Refresh**. (or)
4. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **Refresh**.
5. On the **Refresh** page, select an RFC in "Ready for Scheduling/approval" status and click **View Execution Details** from the actions menu.
6. In the **Execution Details** page, set the following parameters:
 - Latest Backup for refresh - Toggle the switch to the right side to schedule refresh for the latest backup.
 - Select Date & Time - Select a date and time to schedule the refresh. The date range must be within 30 days of schedule.

 Note:

You can schedule a refresh only from Monday to Thursday.

- Select DB Backup Date & Time - Select a date and time for scheduling the back up refresh.
- Middle Tier Snap Backup Name - Enter a name for the database backup refresh.

 Note:

When scheduling if a schedule conflict with the date and time, then a warning message displays and it does not allow you to schedule for the same date and time.

7. Click **Approve**.

Rescheduling or Canceling a Deployment

Learn how to reschedule or cancel a scheduled RFC.

About this task:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **Refresh**. (or)
4. On the OCSN-Self Service Platform **Dashboard**, under **Quick Links**, click **Refresh**.
5. On the **Refresh** page, select an RFC in "Ready for Scheduling/approval" status and click **View Execution Details** from the actions menu.
6. In the **Execution Details** page, Click **Cancel Execution** to cancel the scheduled RFC. To reschedule to a different date and time, click the calendar icon next to **Schedule Refresh** to reschedule the RFC.

Approving a Refresh

Learn how to approve an EBS refresh.

About this task:

1. In the **Customer Success Services** home page, click the menu icon at the upper left corner.
2. Under **Services**, click **Customer Self Service**.
3. In the **Customer Self Service** page, click **Refresh**. (or)
4. In the **Self Service Management** home page, under **Customer Self Service**, click **Refresh**.
5. On the **Refresh** page, select an RFC in "Ready for Scheduling/approval" status and click **View Execution Details** from the actions menu.
6. The **Create Refresh Execution** page displays all the selected data for validation.
7. Click **Approve**.
8. The RFC execution is successfully approved and the RFC is listed in the execution summary list as "Approved" status .

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Known Issues

Managed Cloud Self Service Platform has no known issues.