Oracle® Enterprise Manager Ops Center

Deploying Software Libraries on the Enterprise Controller

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This guide provides an end-to-end example for how to use Oracle Enterprise Manager Ops Center.

Introduction

A software library stores images for operating system and when you apply a deployment plan that provisions an operating system, Oracle Enterprise Manager Ops Center retrieves the images from this software library.

During product installation, the location of the library and the connection to the Oracle site is established. When the software library is initialized, the Enterprise Controller downloads the OS images and then maintains the content of the software library by downloading any available updates periodically. Use the procedures in this document to establish the library after installation. If you are unsure whether the library has been created or whether the downloading of OS files has completed, see Viewing the State of an OS Update Library.

About the Software Library for Oracle Solaris 11

The Oracle Solaris 11 Package Repository includes OS images and metadata, such as package dependencies, package compatibilities, withdrawn updates, and deployment rules. During its installation, Oracle Enterprise Manager Ops Center creates a local Image Packaging System (IPS) repository named Oracle Solaris 11 Update Library and establishes the connection to the Oracle Solaris 11 Package Repository so that the library can be updated.

About the Software Library for Oracle Solaris 10, 9, 8 and Oracle Linux

The Oracle Knowledge Base includes OS images and metadata, such as package dependencies, package compatibilities, withdrawn updates, and deployment rules. During its installation, Oracle Enterprise Manager Ops Center creates a local software library named Oracle Solaris 10-8/Linux Update Library and establishes the connection to the Oracle Knowledge Base so that the library can be updated.

See Related Articles and Resources for links to related information and articles.

What You Will Need

You will need the following to create and maintain a local software library:

- You must have the role of Storage Admin to create software libraries.

- To create an Oracle Solaris 11 Update Library, the systems that run the Enterprise Controller and the Proxy Controllers must use Oracle Solaris 11.
- For the Oracle Solaris 11 Update Library, you use Connected mode. The Oracle Solaris 11 Package Repository resides at the Oracle site: `http://pkg.oracle.com/solaris/release/`. To acquire content from other repositories and to download credentials, see the `pkg-register.oracle.com` site.
- You must have the path for the location of the library.

Creating and Maintaining a Software Library

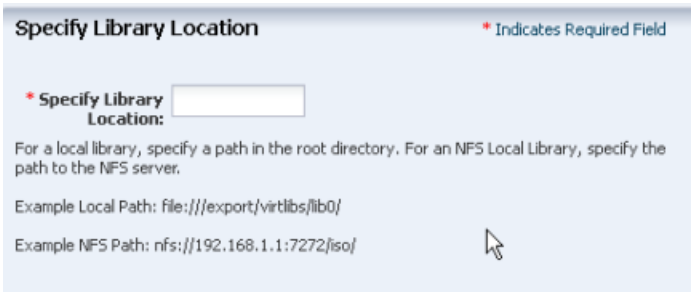
The following tasks create a new local software library that accepts the routine download operations:

- Creating an Oracle Solaris 11 Update Library
- Creating an Oracle Solaris 8-10 Linux Update Library
- Viewing the State of an OS Update Library

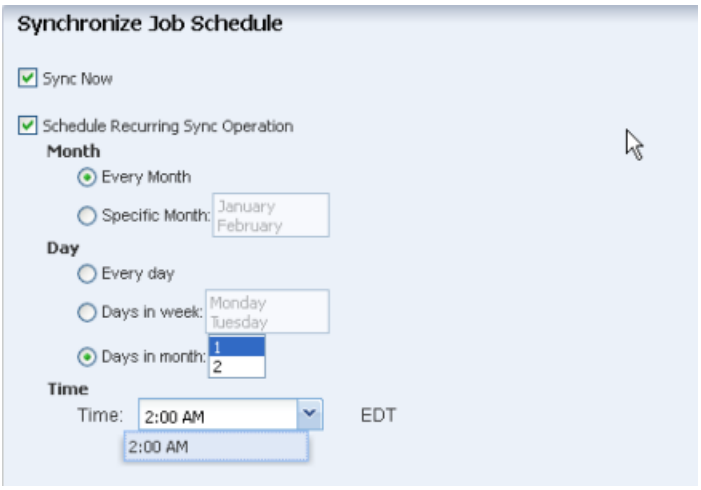
Creating an Oracle Solaris 11 Update Library

1. Expand Libraries in the Navigation pane.
2. Click Software Libraries.

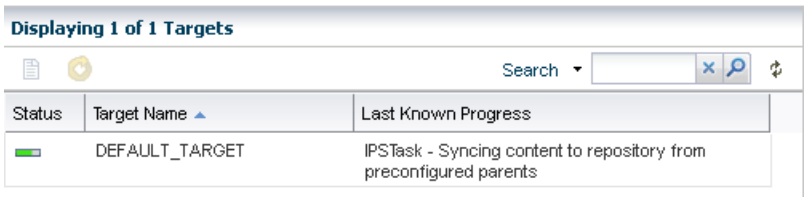
3. Click Initialize Solaris 11 Software Update Library in the Action pane.
4. Specify the location you want to use for the software library.



5. Enter the URL of the parent repository, `http://pkg.oracle.com/solaris/release/` and enter your My Oracle Support credentials.
6. The download operation takes several hours. Check the Sync Now checkbox to start immediately and then specify a time when the Enterprise Controller's system is not busy to update the library.



7. Review your selections and click OK to start the download job.
8. To follow the progress of the job, view the job detail. Open the Jobs pane and select the Configure Software Update Libraries job.



9. When the job is completed, the state of the library is OK, as described in Viewing the State of an OS Update Library.

Creating an Oracle Solaris 8-10 Linux Update Library

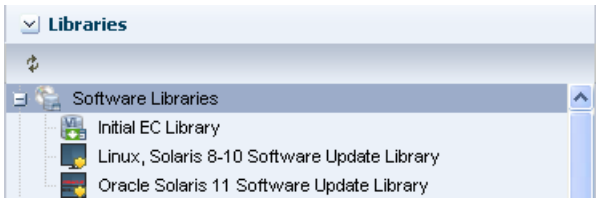
1. Expand Libraries in the Navigation pane.
2. Click Software Libraries.
3. Click Create Update Library in the Action pane.
4. Specify the full path for the location of the new library.
5. Enter your My Oracle Support credentials to start the download process.

Viewing the State of an OS Update Library

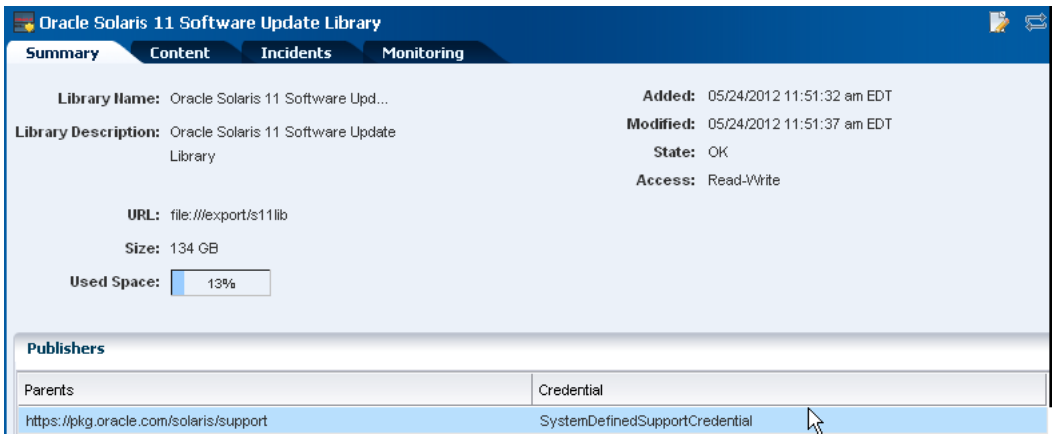
The download operation often takes several hours so to follow the progress of the job or verify that there is no job in progress for this task, use the following procedure:

1. Expand Libraries in the Navigation pane.
2. Click Software Libraries.

   If the job to create the library has been submitted, the name of the library is displayed in the Navigation pane.



3. Click the library and view the Summary tab in the center pane. The following figure shows the Summary tab for the Oracle Solaris 11 Software Update Library.



- If the State is OK, the library has been configured and the packages have been downloaded.
- If the State is Syncing, the library is in the process of updating the downloaded packages and is not available for provisioning operations. Wait for the state to return to OK.
- If the State is Configuring, the library is in the process of downloading the packages. Wait for the job to complete and the state to change to OK. To follow the progress of the job, view the job detail. Open the Jobs pane and select the Configure Software Update Libraries job.
- If the State is Unconfigured, the library was not created during product installation. You can create the library using the appropriate action in the Actions pane.

What's Next?

In addition to OS images, you can place firmware images in a software library. See Keeping Your Firmware Up-to-Date in the How To tab in the documentation library at `Ops Center How-To Documentation Library`.

Related Articles and Resources

The following chapters in the *Oracle Enterprise Manager Ops Center Feature Reference Guide* contains more information:

- `Software Libraries` includes how to create a software library on a NAS share and other types of libraries.

- Oracle Enterprise Manager Ops Center Administration Guide for procedures for the harvester script.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

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