Oracle® Enterprise Manager Ops Center

Provisioning Oracle Solaris 10 Operating System

12*c* Release 1 (12.1.2.0.0)

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

Introduction

Oracle Enterprise Manager Ops Center's provisioning feature installs operating systems on the managed systems, automatically and consistently. OS provisioning is handled by a deployment plan, which can be single step or multi-step plan. For a profile that requires the OS image, Oracle Enterprise Manager Ops Center retrieves the OS image from the Software Library and uses it to provision the target servers. The Software Library is located either in a directory on the Enterprise Controller or on a Network Attached storage appliance that the Enterprise Controller can access.

This example describes how to provision an Oracle Solaris 10 operating system through a profile and an associated deployment plan.

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

What You Will Need

You will need the following to provision an Oracle Solaris 10 operating system:

- An Oracle Solaris 10 OS image, imported into the software library of Oracle Enterprise Manager Ops Center.
- A Proxy Controller located on the same subnet as the target hosts with DHCP services configured for x86 system.
- A profile and a deployment plan to complete the steps for provisioning Oracle Solaris 10 operating system.
- Asset administrator and a Plan/Profile administrator to run the complete scenario for provisioning Oracle Solaris 10 operating system.

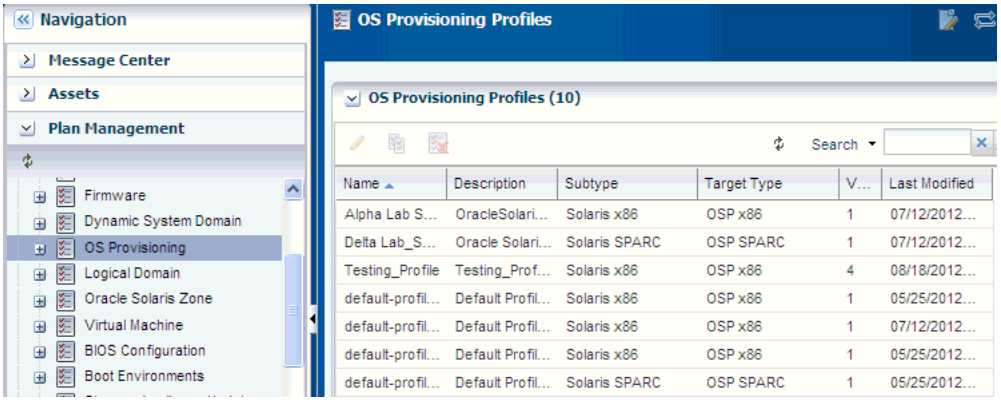
Provisioning an Oracle Solaris 10 Operating System

You can create OS profiles for provisioning Solaris OS on SPARC and x86 systems. Whenever you import an OS image, a default profile is always created. You can either edit the profile or create a new profile.

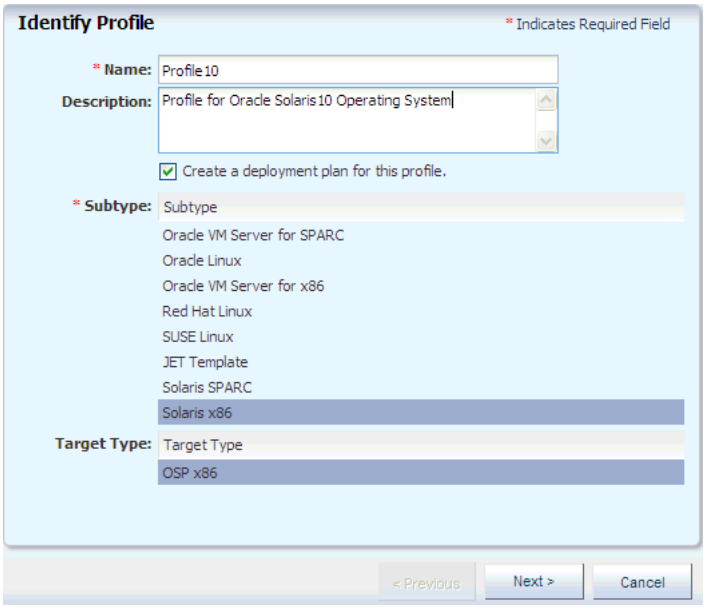
Create a Profile for Oracle Solaris 10 Operating System

The steps to create a profile for Oracle Solaris 10 operating system are:

1. Click Plan Management in the Navigation pane.
2. Select OS Provisioning in the Profiles and Policies tree. A list of existing OS profiles is displayed in the center pane.

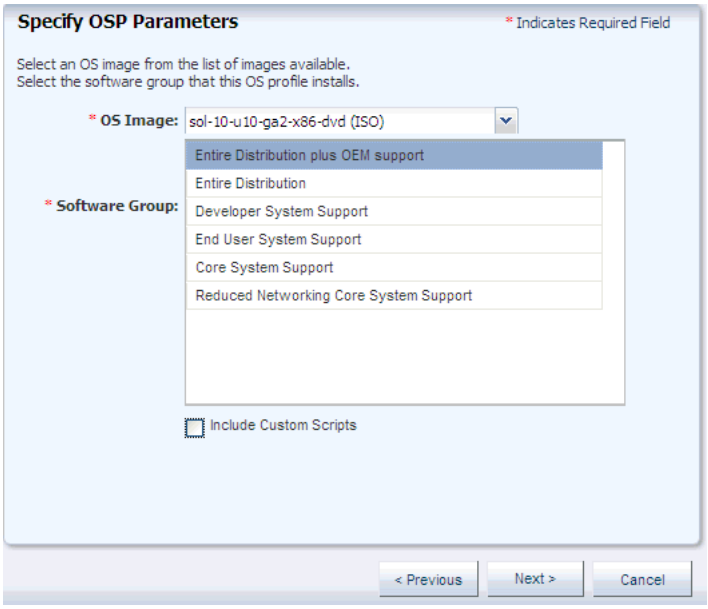


3. Click Create Profile in the Actions pane. The Create Profile-OS Provisioning wizard is displayed.
4. Define the profile parameters and click Next.
   - Name – The name of the profile.
   - Description – A description of the profile.
   - Create a deployment plan for this profile – This option is selected by default to automatically create a plan using this profile.
   - Subtype – Select Solaris x86.
   - Target Type – The target types is automatically defined to x86 type.



5. Select an OS image in the OS Image List.

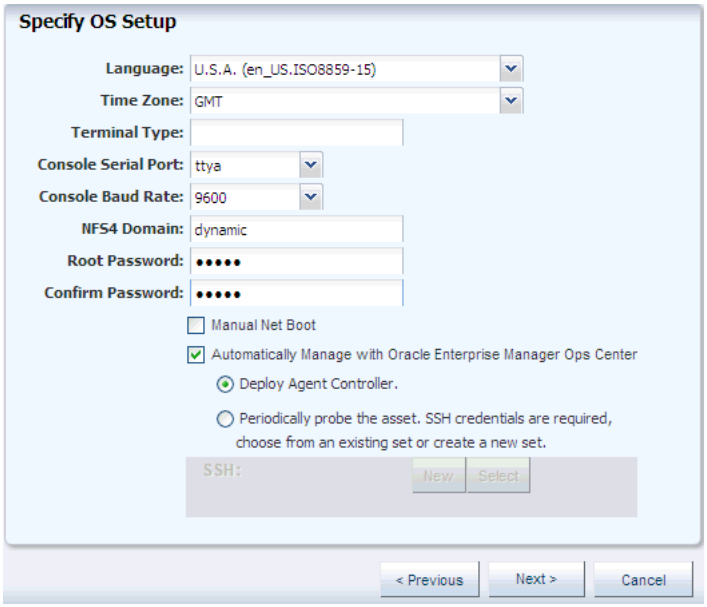
   Select a Software Group from the list given. Skip to select 'Include Custom Scripts'.



6. Click Next to specify the OS setup parameters.

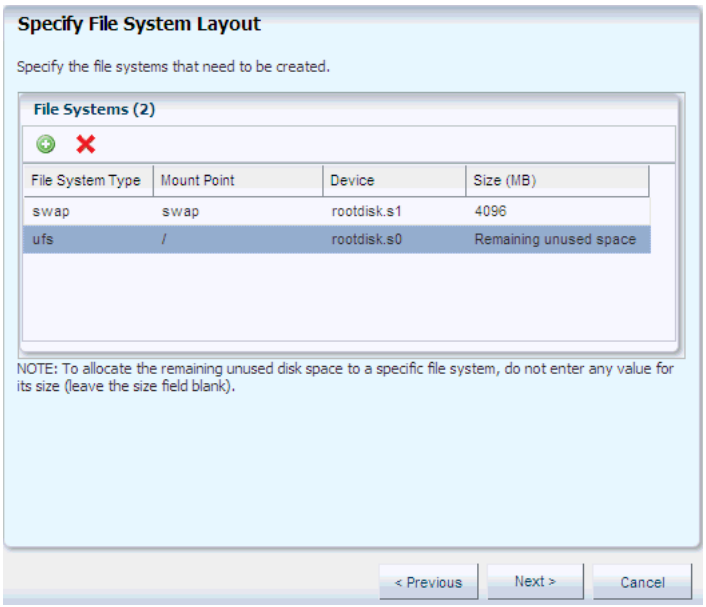
   - Language – Select a language from the list.
   - TimeZone – Specify the time zone for the OS.
   - Terminal Type – Select a terminal type from the list.
   - Console Serial Port – To monitor the installation using a serial connection, select the correct console serial port device.
   - Console Baud Rate – To monitor the installation using a serial connection, select the correct serial port device baud rate.
   - NFS4 Domain – Enter the NFS4 domain name that the target system will use. The dynamic value for NFSv4 domain name enables the NFSv4 domain to be derived dynamically, at run time, based on the naming service configuration. You can also provide valid domain name to hard code the value for NFSv4 domain.
   - Password – Enter the root password for the root user on systems provisioned using this profile. Re-enter the password for confirmation. The password used in this example is `'admin'`.

   Select Automatically Manage with Oracle Enterprise Manager Ops Center to install the Agent Controller on the system and manage the system with Ops Center. This option provides the highest level of functionality. Click Next.



7. You are now asked to specify the installation parameters. Skip this step and click Next to specify the File System Layout.

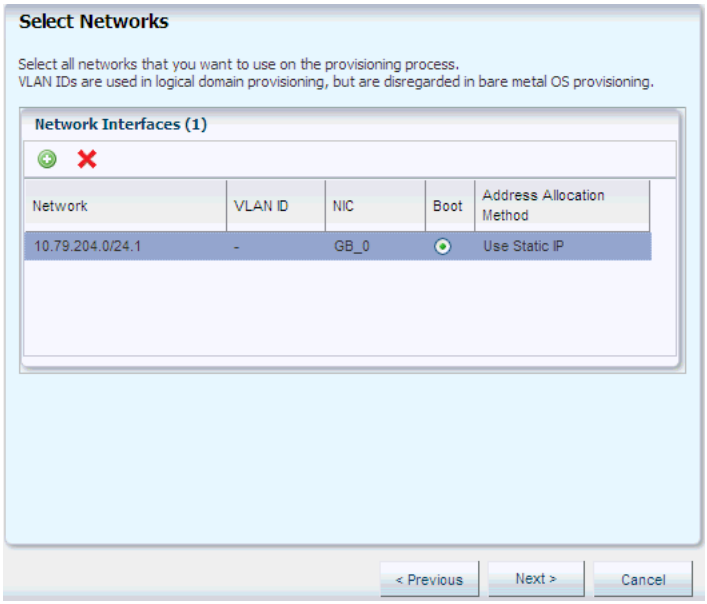
8. To specify the File System Layout, select a file system and click Next.



9. Select None while specifying the naming services and click Next.

10. Specify None for the Networking Services and click Next.

11. Select a DHCP enabled network interface that you want to use in the provisioning process.

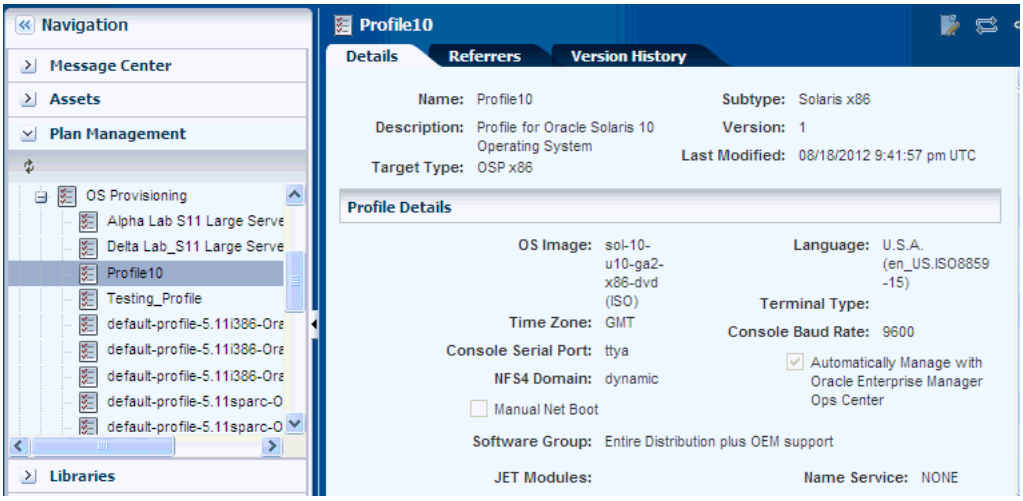


For a Solaris SPARC subtype, you do not need to enable DHCP on the network interface.

12. Click Next to view the Summary of the parameters selected for Oracle Solaris 10 operating system provisioning.

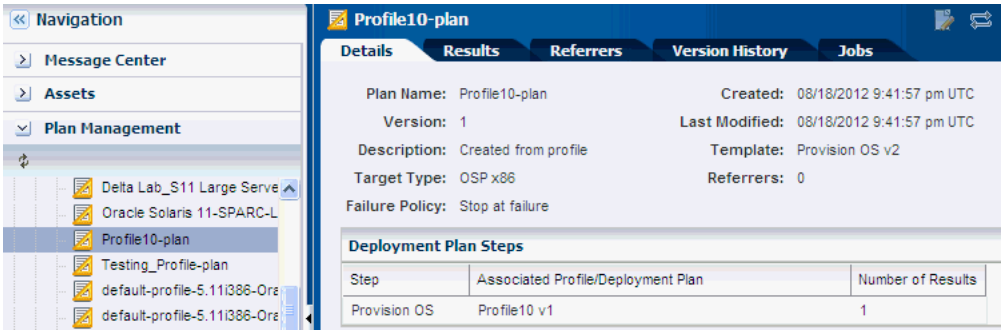
13. Review the parameters and click Finish to save the profile. The profile is created for provisioning Oracle Solaris 10 operating system.

You can view the profile under OS Provisioning of Profiles and Policies in the Plan Management drawer of the Navigation pane. You can select the profile to view its details in the center pane.



Associated Deployment Plan for Provisioning Oracle Solaris 10 Operating System

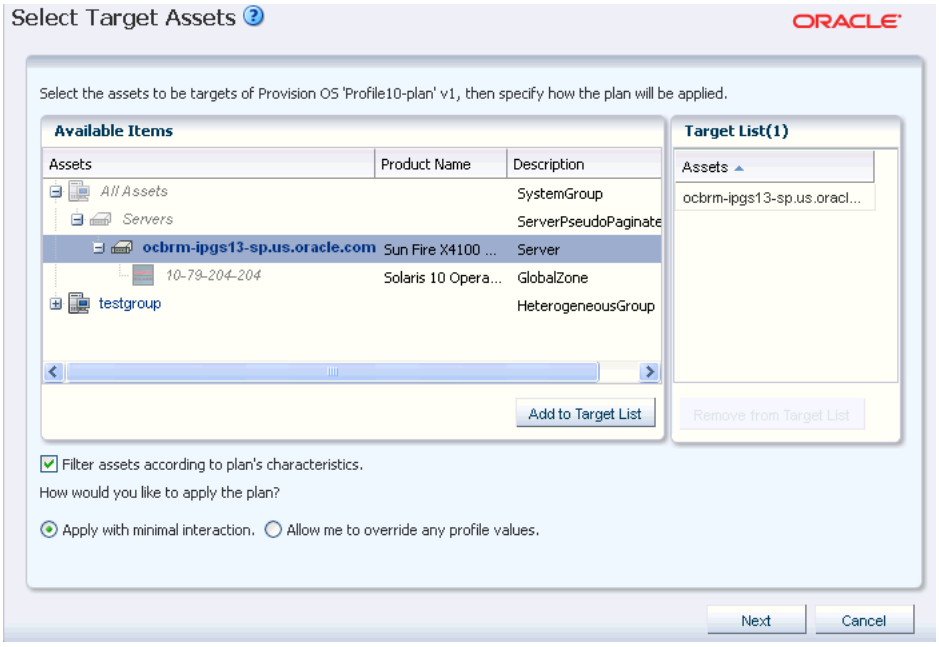
The profile creates an associated deployment plan by default. You can view the deployment plan under the Provision OS section of the Deployment Plan in the Plan Management drawer of the Navigation pane.



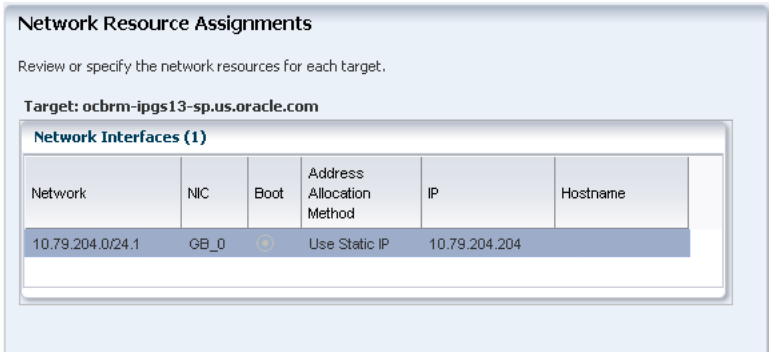
Apply the Deployment Plan for Provisioning Oracle Solaris 10 Operating System

To apply the deployment plan, perform the following steps.

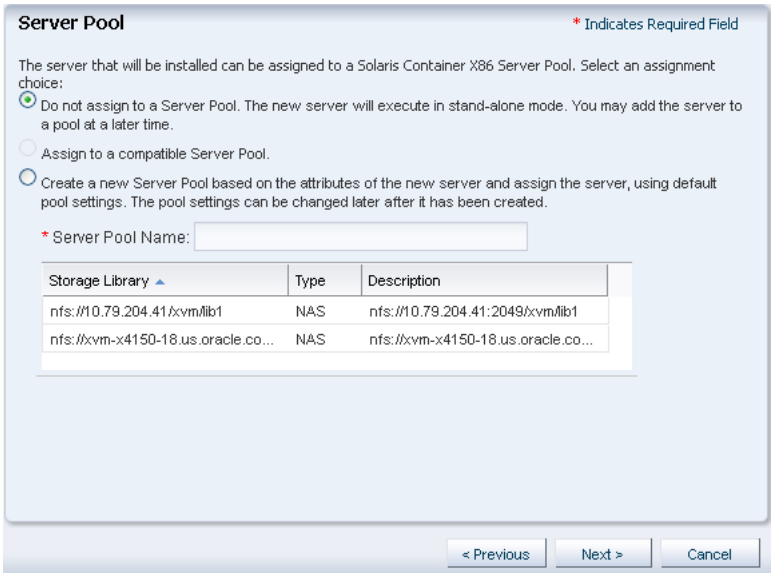
1. Select the Deployment plan under the Deployment Plans heading in the Plan Management section of the Navigation pane. Click Apply Deployment Plan in the Actions pane. The Apply Deployment Plan wizard is displayed.
2. Select the target assets and click Add to Target List. You can filter the assets according to the plan's characteristics. Select 'Apply minimal interaction' to proceed ahead with minimum interaction.



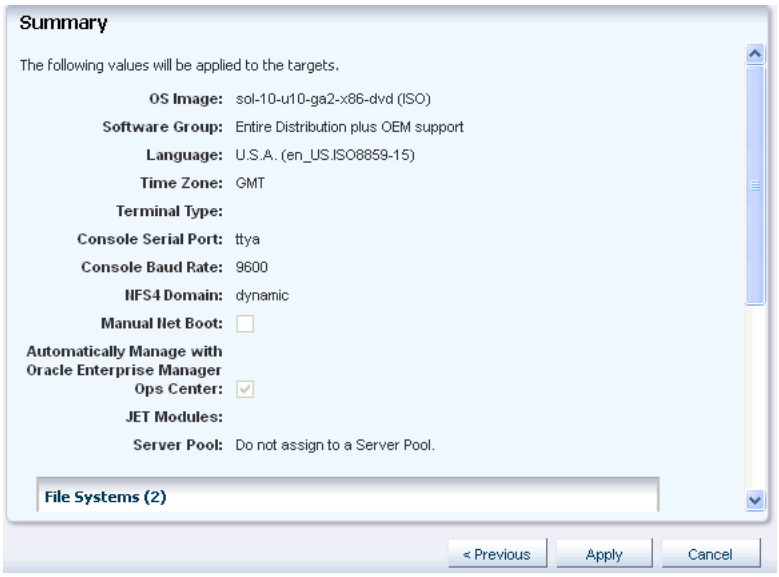
3. Click Next and specify the IP Address.



4. Click Next to select the Server Pool. Select 'Do not assign to a Server Pool. The new server will execute in stand-alone mode. You may add the server to a pool at a later time.'



5. Click Next to schedule the job for now or at a later time.
6. Click Next to display the Summary. Click Apply to apply the deployment plan.



The provisioning job takes time to complete. You can view the progress and status of the provisioning job from the Jobs pane.

When the job is completed, go to Assets and expand Servers to see your operating system. Click the operating system in the Navigation pane to display the details in the center pane.

What's Next?

You can update your Oracle Solaris 10 operating system with various updates and perform complex update tasks in a consistent manner. You can identify dependencies, download update packages or updates from the appropriate vendor sites, maintain consistent component configuration of your systems to the latest security updates.

You can use Update Profiles and Plans to define which components must be installed and the level of automation during the installation.

Related Articles and Resources

To configure the DHCP services for OS provisioning, see *Configuring DHCP and Subnets for OS Provisioning* in *Oracle Enterprise Manager Ops Center Administration Guide*.

For more information on images, see the chapter *Software Libraries* of *Oracle Enterprise Manager Ops Center*.

For more information on provisioning an operating system, see *Oracle Enterprise Manager Ops Center Provision and Update Guide*.

For other examples, see the How To library at http://docs.oracle.com/cd/E27363_01/nav/howto.htm.

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