

# Oracle® Enterprise Manager Ops Center

Deploy Operating Systems Workflow

12c Release 1 (12.1.2.0.0)

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

## Introduction

Workflows are divided into two categories: Deploy and Operate. Each workflow is a compilation of several examples.

This workflow is an example of how to use Oracle Enterprise Manager Ops Center to deploy an operating system (OS). The examples in this workflow include how to discover and manage existing operating systems and how to deploy new operating systems. Deploying new operating systems describes how to provision, or upgrade, an Oracle Solaris 11 and Oracle Solaris 10 OS that is running on managed systems or how to deploy an Oracle Solaris OS on unconfigured (bare metal) systems. Separate workflows describe how to deploy Oracle Solaris Zones or logical domains on Oracle VM Server for SPARC.

Two options are available for managing operating systems: agent-managed and agentless-managed. An agent-managed operating system has an Agent Controller installed to gather information for the Enterprise Controller and is required for some OS-specific features, such as OS provisioning, creating zones, updating some OS versions, and some of analytics and reporting features. To demonstrate the capabilities, these workflows and examples use an agent-managed operating system. You can learn more about agent and agentlessly-managed assets in the *Oracle Enterprise Manager Ops Center Feature Reference Guide*.

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**Note:** If you will use the software to provision or update Oracle Solaris 11 operating systems, the Enterprise Controller and a Proxy Controller must be installed on an Oracle Solaris 11 operating system. This is required to utilize the library, update, and provisioning functionality.

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Provisioning an operating system requires that the Proxy Controller is in the same subnet as the systems to be provisioned.

## Required Permissions and Roles

The following permissions and roles are required to complete the tasks in the workflow:

- Asset Admin or Ops Center Admin

- Discover operating systems and choose a management style, agent managed or agentlessly managed. For agent managed, deploy the Agent Controller on the operating system.
- Plan/Profile Admin
  - Create and manage the discovery profiles
- Security Admin
  - Create credentials

## Workflow

Figure 1 and Figure 2 are the workflows for deploying operating systems in your data center. Each diagram lists the prerequisite workflows on the left and the tasks and decisions for the workflow on the right.

In Figure 1, the workflow includes discovering and managing existing operating systems, provisioning an Oracle Solaris operating system to upgrade to a new release, or provisioning Oracle Solaris 10 or 11 operating system on a brand new, bare metal system that does not yet contain an operating system.

Figure 2 is a workflow for deploy operating systems in a virtualized environment. These include Oracle Zones and logical domains with Oracle VM Server for SPARC.

Before you begin, ensure that you have met the following prerequisites that are listed in the workflow.

- Oracle Enterprise Manager Ops Center installed and configured.
  - Install the Enterprise Controller and a Proxy Controller on Oracle Solaris 11 if you plan on provisioning or updating Oracle Solaris 11 operating systems.
- Deploy Libraries.
  - The storage infrastructure that you will use for provisioning and updating operating systems, provisioning and updating firmware, and storage for virtualization operations.
- Deploy hardware.
  - The servers and storage devices in your data center are discovered and visible in the user interface.

Figure 1 Deploy Workflow for Operating Systems – Part A

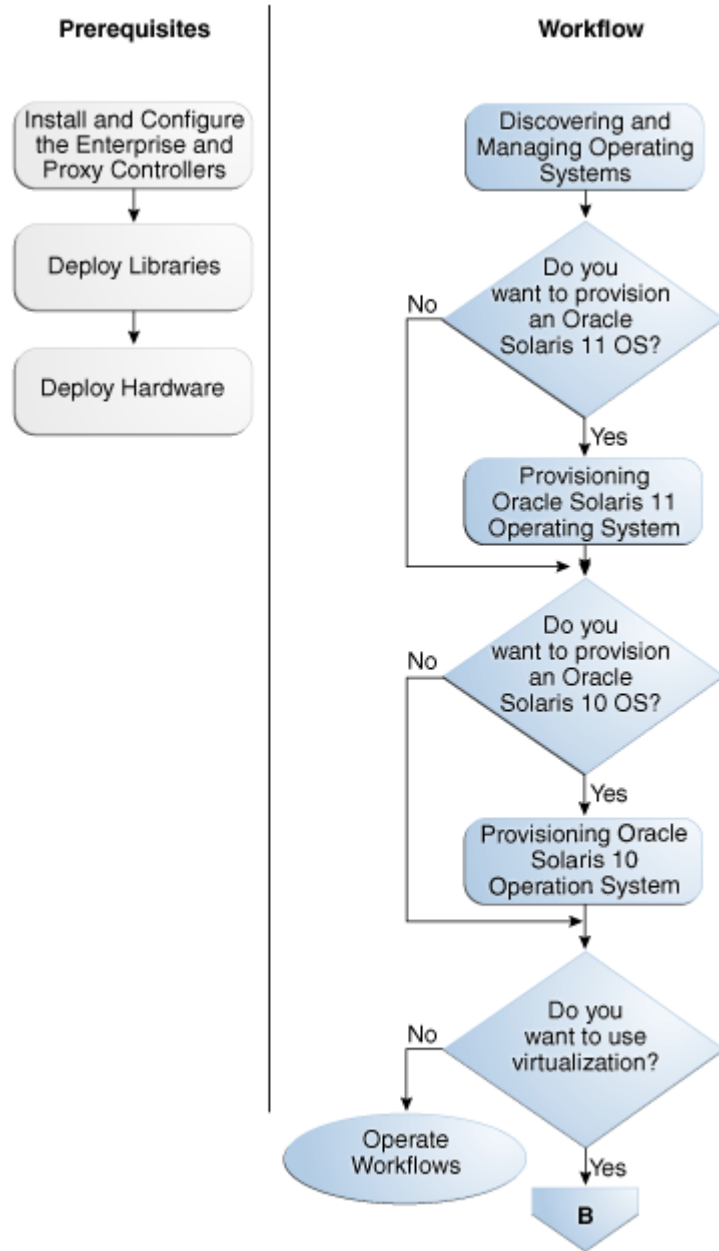
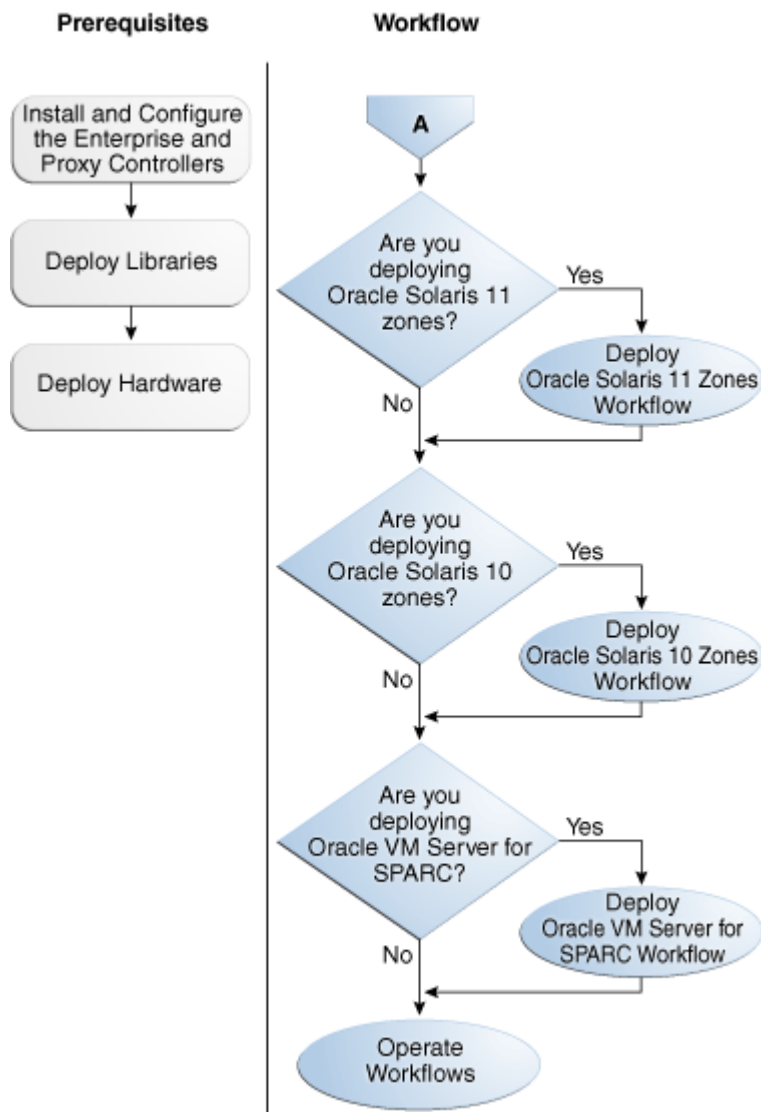


Figure 2 is a continuation of the Deploy Workflow for Operating Systems. Use this workflow if you plan on deploying Oracle Solaris Zones or logical domains for Oracle VM Server for SPARC.

**Figure 2 Deploy Operating Systems Workflow – Part B**



## What's Next?

At the end of this workflow, you will have operating systems that you can monitor, provision, and update with Oracle Enterprise Manager Ops Center.

To deploy operating system or hardware virtualization, see the following workflows:

- *Deploy Oracle Solaris 11 Zones Workflow*
- *Deploy Oracle Solaris 10 Zones Workflow*
- *Deploy Oracle VM Server for SPARC Workflow*

To begin monitoring and managing your operating systems with Oracle Enterprise Manager Ops Center, see the Operate workflows in the [How To library](#).

## Related Articles and Resources

The Oracle Enterprise Manager Ops Center 12c documentation is located at <http://www.oracle.com/pls/topic/lookup?ctx=oc121>. See the following:

- The *Oracle Enterprise Manager Ops Center Feature Reference Guide* has information about asset management, storage, networks, zones, and Oracle VM Server for SPARC.
- The *Oracle Enterprise Manager Ops Center Administration Guide* has information about user roles and permissions.

For more examples, see the [How To library](#).

For in-depth information about zones, see the Oracle Solaris Zones documentation at [http://docs.oracle.com/cd/E23824\\_01/html/821-1460/index.html](http://docs.oracle.com/cd/E23824_01/html/821-1460/index.html).

For in-depth information about Oracle Solaris 11, see the Oracle Solaris 11 documentation at [http://docs.oracle.com/cd/E23824\\_01/html/821-1460/index.html](http://docs.oracle.com/cd/E23824_01/html/821-1460/index.html).

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