Oracle® Enterprise Manager Ops Center

Deploy Oracle Solaris 10 Zones Workflow

12*c* Release 2 (12.2.2.0.0)

E48129-02

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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. This workflow shows how to use Oracle Enterprise Manager Ops Center to deploy zones on an Oracle Solaris 10 operating system and how to create and add the zones to a server pool.

A zone is a virtualized operating system environment created within a single instance of the Oracle Solaris operating system. Zones provide an isolated and secure environment for running software applications. You can either create zones using Oracle Enterprise Manager Ops Center or discover and manage existing zones. This workflow describes the requirements and steps needed to create and efficiently manage zones using Oracle Enterprise Manager Ops Center.

You can create server pools to manage the resources used by the zones and improve availability. Server pools for zones contain one or more zones that have the same configuration and access to the same storage and network resources. You can manually balance the load, or you can configure the software to automatically balance the load between members of the server pool.

Required Permissions and Roles

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

- Asset Admin
  - Provision Oracle Solaris
  - Discover and manage Oracle Solaris
- Plan/Profile Admin
  - Create and manage the zone profiles and plans
- Apply Deployment Plans
  - Select targets for the job and apply the plan to create zones.
- Virtualization Admin
  - Create a zone server pool

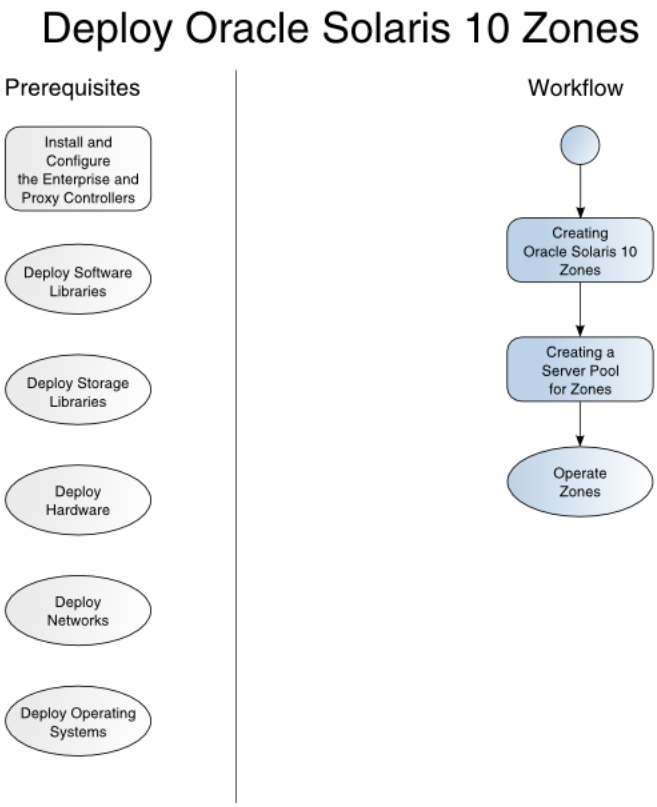
Oracle Solaris 10 must be agent-managed to complete the tasks in this workflow. You can discover and manage an existing Oracle Solaris 10 OS, or you can provision Oracle Solaris 10 on a new or existing system.

Workflow

The left side of Figure 1 indicates prerequisite tasks and workflows. Before you begin this workflow, ensure that Oracle Enterprise Manager Ops Center is installed and configured, that your libraries and networks are deployed and configured, and that your hardware and operating systems are discovered and managed in the software.

The right side of Figure 1 is the workflow for how to deploy Oracle Solaris 10 zones. Zones require an Oracle Solaris operating system. You can use an existing system, or provision an operating system. This workflow includes tasks to create Oracle Solaris 10 zones, and then create a server pool to efficiently manage the zones. The end of the workflow is to view the *Oracle Enterprise Manager Ops Center Operate Zones Workflow*.

Figure 1 Deploy Oracle Solaris 10 Zones Workflow



What's Next?

At the end of this workflow, you will have Oracle Solaris 10 zones available for you to use as separate operating systems and a server pool to manage the resources. See the *Oracle Enterprise Manager Ops Center Operate Zones Workflow* for how to monitor and manage the zones. For how to deploy Oracle Solaris 11 zones and server pools, see the *Oracle Enterprise Manager Ops Center Deploy Oracle Solaris 11 Zones Workflow*.

Related Articles and Resources

The Oracle Enterprise Manager Ops Center 12*c* Release 2 documentation is available at http://docs.oracle.com/cd/E40871_01/index.htm.

The *Oracle Enterprise Manager Ops Center Feature Reference Guide* has information about asset management, storage, networks, zones, and server pools.

The *Oracle Enterprise Manager Ops Center Administration Guide* has information about user roles and permissions.

For end-to-end examples, see the workflows and how to documentation in the Deploy How To library at http://docs.oracle.com/cd/E40871_01/nav/deployhowto.htm and the Operate How To library at http://docs.oracle.com/cd/E40871_01/nav/operatehowto.htm.

See the following for related examples:

- For how to provision an operating system on a configured system, see the *Oracle Enterprise Manager Ops Center Deploy Operating System Workflow*.
- For how to provision an operating system on an unconfigured system, see the *Oracle Enterprise Manager Ops Center Deploy Hardware Workflow*.
- For how to provision or create Oracle Solaris 11 zones, see the *Oracle Enterprise Manager Ops Center Deploy Oracle Solaris 11 Zones Workflow*.

For in-depth information about zones, see the Oracle Solaris 10 documentation at http://www.oracle.com/technetwork/documentation/solaris-10-192992.html.

Documentation Accessibility

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