Oracle® Enterprise Manager Ops Center

Migrating Logical Domains

12*c* Release 12.1.1.0.0

E27362-01

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

Introduction

You can use Oracle Enterprise Manager Ops Center to provision Oracle VM Server for SPARC, create logical domains on them, and then provision operating systems on the logical domains.

To manage and operate the logical domains, Oracle Enterprise Manager Ops Center provides options, such as to modify configuration, add storage, connect to networks and migrate.

You can migrate logical domains from an Oracle VM Server to another Oracle VM Server from Oracle Enterprise Manager Ops Center UI.

The migrate option is available only for logical domains that are created using Oracle Enterprise Manager Ops Center. Migrating the logical domains require that you migrate them to Oracle VM Servers that are compatible in CPU architecture and frequency. The source and target machines must have the same CPU frequency and compatible system firmware version for a successful migration. The target machine must have sufficient free memory to accommodate the migration of a domain. Refer to *Oracle VM Server for SPARC 2.1 Release Notes* at `http://docs.oracle.com/cd/E23120_01/html/821-2856/index.html` for more information about live migration requirements.

You can use domain migration in the following scenarios:

- To balance the load between the machines
- To perform hardware maintenance while the logical domain continues to run.

From Oracle VM Server for SPARC 2.1 version, the type of migration is live migration and for other older versions of Oracle VM Server for SPARC, it is a cold migration. In a cold migration, the logical domains are shut down and then restarted on the target Oracle VM Server. Whereas, in a live migration, the logical domain is migrated while the applications in it continue to run.

This example describes the migration of a logical domain on Oracle VM Server for SPARC 2.1 version. The Oracle VM Server for SPARC is placed in a server pool. This restricts the logical domain to be migrated to an Oracle VM Server for SPARC in the same server pool which has compatible CPU frequency.

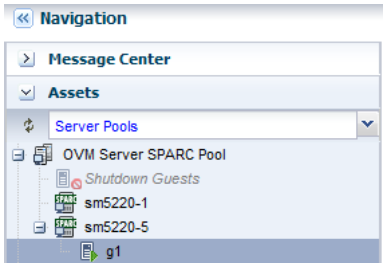
What You Will Need

You will need the following to migrate a logical domain in Oracle Enterprise Manager Ops Center:

- Virtualization Admin role to access the Oracle VM Server for SPARC and migrate the logical domain.
- Two systems installed with Oracle VM Server for SPARC 2.1 version.
- The two Oracle VM Server for SPARC systems are placed in a server pool.
- A logical domain on one of the Oracle VM Server for SPARC system created using the Oracle Enterprise Manager Ops Center UI.

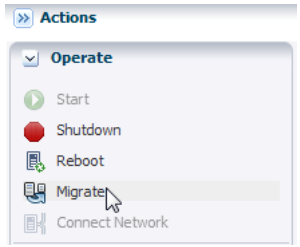
Migrating Logical Domains

1. Select Server Pools from the Assets section in the Navigation pane.
2. Select the logical domain.

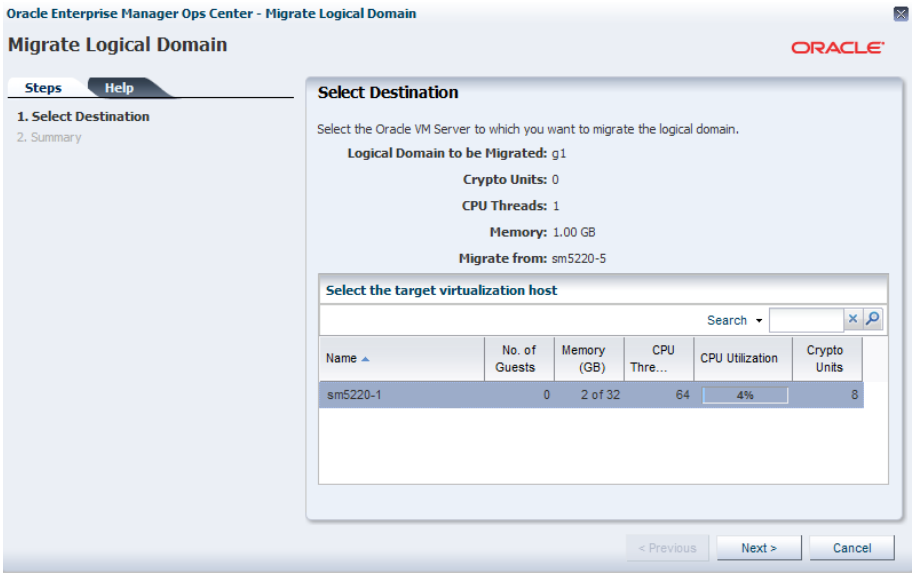


3. Click Migrate in the Actions pane.

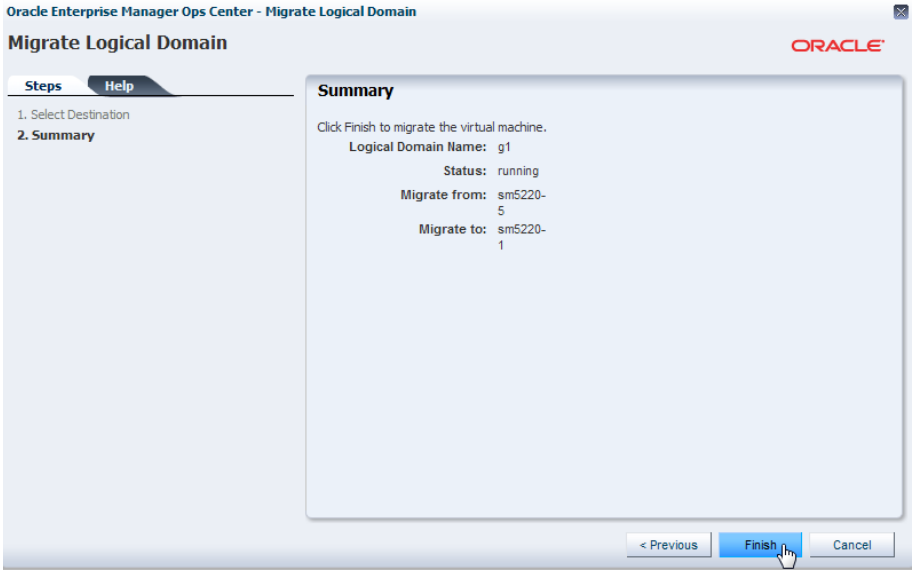
   The Migrate Logical Domain window is displayed.



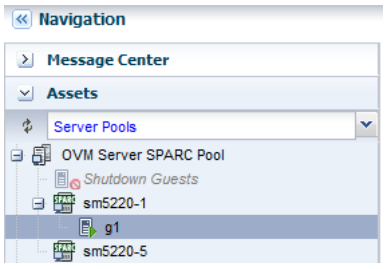
4. The Oracle VM Servers that have enough CPU threads and memory to host the logical domain in the same server pool are listed. Select an Oracle VM Server from the list and click Next.



5. Review the information and click Finish to submit the migration job.



Once the job is completed, you can see in the Navigation pane that the logical domain is migrated to the selected Oracle VM Server.



What's Next

After migrating, you can start managing the lifecycle of the logical domains. The other options to manage the logical domains are:

- Start
- Shut down
- Reboot
- Add Storage
- Connect to networks

You can enable automatic recovery of logical domains so that it can be recovered when the Oracle VM Server host fails.

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 guides for more information:

- *Oracle Enterprise Manager Ops Center Feature Reference Guide* for information about logical domains and server pools.
- *Oracle Enterprise Manager Ops Center Administration Guide* for information about user roles and permissions.

Other examples are available at http://docs.oracle.com/cd/E27363_01/nav/howto.htm.

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