

Oracle® Enterprise Manager Ops Center

Configuring RAID Controllers

12c Release 1 (12.1.1.0.0)

E27326-01

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

Introduction

This document describes how to configure the RAID Controller on more than one target server. By using a profile and plan, the same configuration can be used in all types and models of servers.

Caution: When you reconfigure an existing RAID controller, all the data on the disks is lost.

A RAID controller manages a volume made of storage capacity from more than one disk. Oracle Enterprise Manager Ops Center provides a default profile for configuring RAID controllers, which includes specifications for the following:

- Name of the RAID volume
- RAID Level
- Number of disks that contribute capacity to the RAID volume
- Stripe zone
- RAID Controller ID

A RAID volume relies on a set of physical hard drives to provide the volume's total storage capacity. You have the option of specifying the disks that contribute to the RAID volume. This procedure enables the RAID Controller to set the disks to select them automatically.

See [Related Articles and Resources](#) for links to related information and articles.

What You Will Need

You will need the following to configure the RAID Controllers.

- The RAID Controller IDs
- These roles: Server Deploy Admin and Asset Admin

Hardware and Software Configuration

The RAID Controllers are in managed servers and are discovered when the servers are discovered.

Configuring RAID Controllers

These are the tasks for configuring RAID Controllers:

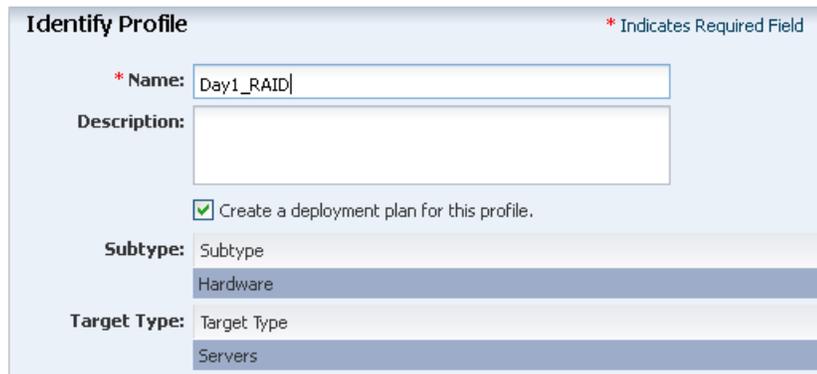
- [Create a RAID Controller Profile and Plan](#)
- [Apply the Deployment Plan](#)

Create a RAID Controller Profile and Plan

1. Expand Plans in the Navigation pane and then select Profiles and Policies.
2. Expand RAID Controller.

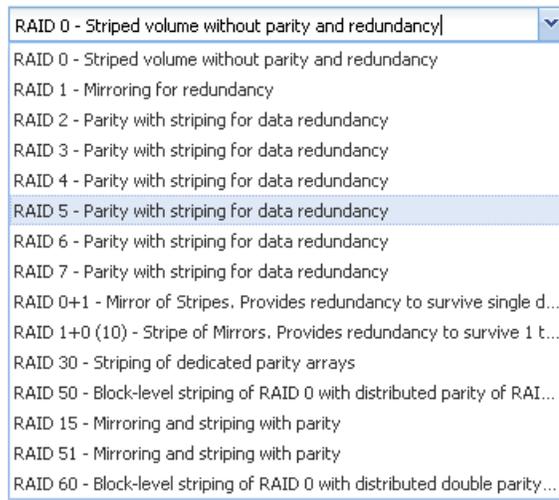


3. Click Create Profile in the Action pane. The first step of the profile wizard is displayed. Enter a name for the profile and accept the default action to create a deployment plan that has this profile as its step. Click Next.

A screenshot of the 'Identify Profile' wizard step. The title is 'Identify Profile' and there is a note '* Indicates Required Field'. The form contains the following fields:

- * Name: Day1_RAID
- Description: (empty text box)
- Create a deployment plan for this profile.
- Subtype: Hardware (selected from a list that also includes Subtype)
- Target Type: Servers (selected from a list that also includes Target Type)

4. Enter a name for the volume and choose its RAID level. Your options for RAID level depends on the number of available disks. The default RAID level, RAID0, is not recommended.



Depending on the RAID level you select, the minimum number of disks in the volume changes. You can accept the default values for the number of disks and its stripe size or you can modify them. Click Next.

5. Because the profile will be used for the RAID controllers of several servers, choose the option to allow the RAID Controller to select disks. Enter the ID of the RAID Controller. Click Next.

6. Review your selections and click Finish to submit the job. The new profile and plan are available from the Assets pane.

Apply the Deployment Plan

1. Shut down each server using the Power Off action.
2. Click Plan Management section in the Navigation pane.
3. Expand Deployment Plans and select Configure Server Hardware and Install OS.
4. Select the new plan, in this case, Day 1 RAID.
5. Right-click the plan and click Apply Deployment Plan.
6. Select the targets on which you want to apply the plan.
7. Apply the plan with minimal interaction to provide only the required resource assignments. Incorrect assignments from the profile are highlighted in red. Assign the correct resources.

What's Next?

You now have servers with the same RAID configuration. If you want to update the firmware on the RAID Controller, see *Keeping the Firmware Up to Date* in the How To library, <http://www.oracle.com/pls/topic/lookup?ctx=oc121&id=howto>.

Related Articles and Resources

The following chapter in the *Oracle Enterprise Manager Ops Center Feature Reference Guide* contains more information: [Plans and Profiles](#)

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