Oracle® Enterprise Manager Ops Center

Release Notes

12*c* Release 1 (12.1.3.0.0)

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Oracle Enterprise Manager Ops Center is Oracle's comprehensive system management solution for managing the physical and virtual operating systems, servers, and network and storage devices (or assets) in your data center. With Oracle Enterprise Manager Ops Center you can use the discovery and management features to add your data center assets to the list of managed assets in Oracle Enterprise Manager Ops Center. You can provision, update (patch), monitor and manage the physical and virtual managed assets in one or more of your data centers from a single console, regardless of where the asset is located.

This Release Notes document is one of the documents that are bundled with Oracle Enterprise Manager Ops Center 12*c* Release 1 (12.1.3.0.0). The document provides information about the release, and procedures that help you install Oracle Enterprise Manager Ops Center 12*c* Release 1 (12.1.3.0.0).

This document provides the following information about Oracle Enterprise Manager Ops Center 12*c* Release 1 (12.1.3.0.0).

- Where To Find Installation Documentation
- New Features Included In This Release
- Acquiring the Software
- Prerequisites
- Installing Oracle Enterprise Manager Ops Center 12c Release 1 (12.1.3.0.0)
- Known Issues
- Uninstalling Oracle Enterprise Manager Ops Center
- Documentation Accessibility

1 Where To Find Installation Documentation

The following documents are related to installing or upgrading to Oracle Enterprise Manager Ops Center 12*c* Release 1 (12.1.3.0.0).

All of these documents can be downloaded from the Oracle Enterprise Manager Ops Center Documentation Library at the following URL:

`http://docs.oracle.com/cd/E27363_01/index.htm`

- Oracle Enterprise Manager Ops Center Release Notes, 12*c* Release 1 (12.1.3.0.0) (this document) – This document provides links to other documentation for installing and uninstalling the software. This document also includes a list of known issues related to installation and postinstallation configuration.

- Oracle Enterprise Manager Ops Center Readme, 12*c* Release 1 (12.1.3.0.0) – This document provides instructions on installing the software.
- Oracle Enterprise Manager Ops Center Installation Guide for Oracle Solaris Operating System, 12*c* Release 1 (12.1.3.0.0) – This document provides detailed instructions on performing a fresh installation of Oracle Enterprise Manager Ops Center on Oracle Solaris systems.
- Oracle Enterprise Manager Ops Center Installation Guide for Linux Operating Systems, 12*c* Release 1 (12.1.3.0.0) – This document provides detailed instructions on performing a fresh installation of Enterprise Manager Ops Center on Oracle Linux or Red Hat Enterprise Linux systems.
- Oracle Enterprise Manager Ops Center Administration Guide, 12*c* Release 1 (12.1.3.0.0) – This document provides instructions on administering, managing, and uninstalling Oracle Enterprise Manager Ops Center.

2 New Features Included In This Release

Oracle Enterprise Manager Ops Center 12*c* Release 1 (12.1.3.0.0) contains multiple new features and enhancements.

For more information see, *Oracle Enterprise Manager Ops Center What's New In This Release*.

3 Acquiring the Software

You can download the product for installation from Oracle Technology Network at

`http://www.oracle.com/technetwork/oem/ops-center/index.html`

4 Prerequisites

Before installing the Oracle Enterprise Manager Ops Center software, a site must be prepared. For a detailed overview of the preinstallation procedures, see the *Oracle Enterprise Manager Ops Center Installation Guide for Oracle Solaris Operating System* or the *Oracle Enterprise Manager Ops Center Installation Guide for Linux Operating System*.

You can access these documents from the Oracle Enterprise Manager Ops Center Documentation Library at the following URL:

`http://www.oracle.com/pls/topic/lookup?ctx=oc121`

5 Installing Oracle Enterprise Manager Ops Center 12*c* Release 1 (12.1.3.0.0)

See the *Oracle Enterprise Manager Ops Center Installation Guide for Oracle Solaris Operating System* or *Oracle Enterprise Manager Ops Center Installation Guide for Linux Operating Systems* for installation, and postinstall configuration instructions.

6 Known Issues

This section covers issues related to Oracle Enterprise Manager Ops Center. They are grouped into the following categories:

- Steps Required to Provision Oracle Solaris 11.1

- Issues With Upgrading to Oracle Solaris 11.1
- If system/header Not Installed but IDR107 is, Ops Center EC Install Fails
- Upgrade of Zone Still Required After Agent Controller Upgrade
- Incorrect Agent Controller Status Displayed on Un-upgraded Systems
- DHCP on Remote Proxy Controller Not Preserved By Upgrade from Release 11g to Release 12c

6.1 Steps Required to Provision Oracle Solaris 11.1

If you want to provision Oracle Solaris 11.1 in an existing environment, you must verify that your environment meets the requirements below.

Table 1 shows the versions of Oracle Solaris 11 operating system that can be provisioned based on your Oracle Solaris 11 Software Update Library and Proxy Controller operating system.

Table 1 Versions of Oracle Solaris 11 OS

Library	Proxy Controller OS	What is Supported	What OS is Provisioned
Oracle Solaris 11 and 11.1	Oracle Solaris 11.1	Bare metal, Control Domain 3.0, and Guest	Oracle Solaris 11.1
Oracle Solaris 11	Oracle Solaris 11	Bare metal, Control Domain, and Guest	Oracle Solaris 11
Oracle Solaris 11 and 11.1	Oracle Solaris 11	Bare metal, Control Domain 2.2, and Guest	Oracle Solaris 11
Oracle Solaris 11	Oracle Solaris 11.1	Unsupported	None

On an existing Oracle Solaris 11 Enterprise Controller/Proxy Controller, if you have previously provisioned Oracle Solaris 11, and have upgraded your Proxy Controller system to Oracle Solaris 11.1 and added the Oracle Solaris 11.1 release to your library, then you must perform the following steps before you can provision Oracle Solaris 11.1:

On the Proxy Controller, manually delete any previous Oracle Enterprise Manager Ops Center created installadm service:

```
/usr/sbin/installadm delete-service -r -y <hostname>_oc_solaris_i386
/usr/sbin/installadm delete-service -r -y <hostname>_oc_solaris_sparc
```

If you have not restarted the Enterprise Controller as part of the upgrade to 12.1.2.0.0, temporarily disable the `useMSRcache` to refresh the OSP cache to view and select the latest groups and LDom versions. Go to the **Administration** section, then select the **Configuration** tab. Select the **OS Provisioning** subsystem, then set the `useMSRcache` value to `false`. Update your existing OS Provisioning profiles to use the new content or delete and recreate your OS Provisioning profiles, then return the `useMSRcache` value to `true`.

6.2 Issues With Upgrading to Oracle Solaris 11.1

Oracle Solaris 11.1 is supported in Oracle Enterprise Manager Ops Center 12.1.2.0.0 but is not supported in prior versions of Oracle Enterprise Manager Ops Center. In addition, an issue with Oracle Solaris 11.1 prevents Oracle VM Server for SPARC management on Oracle SPARC T4 servers using the Oracle Solaris 11.1 operating system.

6.2.1 Using Oracle Enterprise Manager Ops Center 12.1.1.0.0 With Oracle Solaris 11.1

If you are using Oracle Enterprise Manager Ops Center 12.1.1.0.0 or earlier, Oracle Solaris 11.1 is not supported and features such as OS provisioning will not work correctly. Perform the following steps to ensure that no Oracle Solaris 11.1 content is used in your environment.

- Do not upgrade your Proxy Controllers to run on the Oracle Solaris 11.1 operating system.
- If you have not configured automatic synchronization, do not synchronize your Oracle Solaris 11 Software Update Library with Oracle Solaris 11.1.
- If you have configured automatic synchronization, the Oracle Solaris 11 Software Update Library synchronizes with Oracle Solaris 11.1 automatically. Perform the following steps to remove Oracle Solaris 11.1 content to enable for Oracle Solaris 11 OS Provisioning:

  1. Determine the Enterprise Controller Oracle Solaris 11 Software Update Library root directory and change to the publisher folder within that directory.

     ```
     # svccfg -s pkg/server listprop | grep inst_root
     pkg/inst_root   astring
     /var/OCMSR/56a646bc-cd0b-4675-b79c-21acde19ebc1/data
     # cd /var/OCMSR/56a646bc-cd0b-4675-b79c-21acde19ebc1/data/publisher
     ```

  2. Verify that the Oracle Solaris 11.1 content is installed.

     ```
     pkg list -afg solaris entire | grep "175.1"
     entire                                      0.5.11-0.175.1.0.0.24.2    ---
     ```

  3. Remove all Oracle Solaris 11.1 references from the entire manifest in the Enterprise Controller MSR.

     ```
     pkgrepo remove -s solaris entire@0.5.11-0.175.1.0.0.24.2
     ```

  4. Remove the following packages:

     ```
     pkgrepo remove -s solaris group/feature/amp@0.5.11-0.175.1.0.0.24.0
     pkgrepo remove -s solaris
     group/feature/developer-gnu@0.5.11-0.175.1.0.0.24.0
     ```

     Repeat for all of these directories:

     ```
     group/feature/multi-user-desktop            0.5.11-0.175.1.0.0.24.0    ---
     group/feature/storage-avs                   0.5.11-0.175.1.0.0.24.2    ---
     group/feature/storage-nas                   0.5.11-0.175.1.0.0.24.2    ---
     group/feature/storage-server                0.5.11-0.175.1.0.0.24.2    ---
     group/feature/trusted-desktop               0.5.11-0.175.1.0.0.24.0    ---
     group/system/solaris-auto-install           0.5.11-0.175.1.0.0.24.3    ---
     group/system/solaris-desktop                0.5.11-0.175.1.0.0.24.3    ---
     group/system/solaris-large-server           0.5.11-0.175.1.0.0.24.3    ---
     group/system/solaris-small-server           0.5.11-0.175.1.0.0.24.3    ---
     install-image/solaris-auto-install          5.11-0.175.1.0.0.24.1736   ---
     ```

5. Rebuild the Enterprise Controller Oracle Solaris 11 Software Update Library.

   ```
   # pkgrepo rebuild -s <root directory for library>
   ```

6. Restart the Enterprise Controller Oracle Solaris 11 Software Update Library package publisher service.

   ```
   # svcadm restart pkg/server
   ```

7. Refresh the Enterprise Controller Oracle Solaris 11 Software Update Library.

   ```
   # pkg refresh --full
   ```

8. In the user interface, set the `useMSRcache` property to `false`.

   Go to the **Administration** section, then select the **Configuration** tab. Select the **OS Provisioning** subsystem, then set the `useMSRcache` value to `false`.

9. Restart the Enterprise Controller.

   ```
   # cd /opt/SUNWxvmoc/bin/
   # ecadm stop -w / ecadm start -w
   ```

6.2.2 Oracle VM Server for SPARC Management

An issue with Oracle Solaris 11.1 prevents Oracle VM Server for SPARC management on Oracle SPARC T4 servers using the Oracle Solaris 11.1 operating system. Upgrading the operating system to SRU 1 or later corrects this issue.

6.3 If system/header Not Installed but IDR107 is, Ops Center EC Install Fails

Enterprise Controller installation fails on a SuperCluster with Oracle Solaris 11 with the patch `idr107` installed.

The workaround is to uninstall `idr107`, install system/header, and re-install `idr107`.

6.4 Upgrade of Zone Still Required After Agent Controller Upgrade

After upgrading the Enterprise Controller, Proxy Controllers, and Agent Controllers, some local zones are not showing as upgraded.

The workaround is to restart the Agent Controller. Change to the directory containing the `agentadm` command. On Oracle Solaris systems, this is the `/opt/SUNWxvmoc/bin` directory. On Linux systems, this is the `/opt/sun/xvmoc/bin` directory.

```
./agentadm stop
```

```
./agentadm start
```

Another workaround is to retry the zone upgrade.

6.5 Incorrect Agent Controller Status Displayed on Un-upgraded Systems

After managing an asset with an Agent Controller in the prior version, when the Enterprise Controller is upgraded, the OS asset summary in the user interface says:

Agent Managed:`No`

The workaround is to upgrade the Agent Controller, that causes the correct status to be displayed.

6.6 DHCP on Remote Proxy Controller Not Preserved By Upgrade from Release 11*g* to Release 12*c*

When a Proxy Controller is upgraded from version 11*g* Update 3 to version 12*c* Update 1, the Proxy Controller's DHCP settings are not preserved. A DHCP Config job is started during the Enterprise Controller upgrade, but the configuration changes made by this job are not preserved by the Proxy Controller upgrade.

The workaround is to to rerun the DHCP Config job after the remote Proxy Controller is upgraded.

7 Uninstalling Oracle Enterprise Manager Ops Center

You can uninstall the components of Oracle Enterprise Manager Ops Center. See the *Uninstalling and Unconfiguring* chapter of the *Oracle Enterprise Manager Ops Center Administration Guide* for uninstallation procedures.

8 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at
http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

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