

Oracle[®] VM Server for SPARC 3.4.0.2 Supplemental Release Notes

November 2016

Oracle VM Server for SPARC 3.4.0.2 Supplemental Release Notes

These supplemental release notes contain the list of resolved issues in Oracle VM Server for SPARC 3.4.0.2 maintenance update release.

These supplemental release notes contain the following information about the Oracle VM Server for SPARC 3.4.0.2 maintenance update release:

- [“What's New in This Maintenance Update Release” on page 2](#)
- [“Resolved Issues” on page 3](#)
- [“Bugs Affecting the Oracle VM Server for SPARC 3.4.0.2 Maintenance Update Release” on page 3](#)

For information about the supported hardware and minimum and fully qualified firmware, Oracle Solaris OS and hardware, see [Chapter 1, “System Requirements” in *Oracle VM Server for SPARC 3.4 Installation Guide*](#).

Note - The fully qualified system firmware version for the SPARC M7 series servers and the SPARC T7 series servers is now 9.7.3.

For information about issues with the Oracle VM Server for SPARC 3.4 software, see [Oracle VM Server for SPARC 3.4 Release Notes](#).

What's New in This Maintenance Update Release

Creating SPARC OpenStack Images From a Source Domain

The `ovmtcreate` command has a new `-m` option that enables you to select either the openstack disk image format or the default `ovf` template format.

Use the `ovmtcreate -m openstack` command to create a single, uncompressed SPARC OpenStack-compatible disk image directly from the first virtual disk in a source domain. Note that this command does not create a complete template, which includes additional payload items such as additional disk images, an OVF metadata file and a manifest file. Also, this command does not encapsulate these components in an `.ova` tar file. Other metadata options are ignored, such as those that provide a description, specify boilerplate files, or specify minor and major versions.

The `ovmtcreate -m ovf` command creates a complete OVF template, which is the same as running the `ovmtcreate` command without using the `-m ovf` option.

Expanding Underlying Disk Devices

The `ovmtdeploy` command now expands the underlying disk devices to device extents during template deployment. This expansion operation occurs by default and supports only disk devices and not disk image files. You can use the `ovmtdeploy -x` command to disable the expansion operation at runtime.

Previously, the size of the resulting disk was determined by the size of the original source domain encapsulated in the template. So, deploying a template that contains a 20-Gbyte system disk to a disk device that has 600 Gbytes results in a disk formatted to a 20-Gbyte size. Now that the underlying disk device can be expanded, this same template deployment results in a disk formatted to its full 600-Gbyte size.

While the underlying disk device has been expanded, the guest domain OS might require that additional actions are performed to recognize and grow to the larger space. To perform these actions for the Oracle Solaris OS, run the `/opt/ovmtutils/share/scripts/ovmt_s11_expand_disk.sh` script immediately following the deployment operation. See the [ovmtconfig\(1M\)](#) man page.

Resolved Issues

The following issues have been addressed for the Oracle VM Server for SPARC 3.4.0.2 software release:

22999762	Crash in <code>pmi_del_guest_policy_by_name()</code> during migration
23205662	Support static virtual function creation during Recovery Mode
23222277	Keystore name and value length checking incorrect and too strict
23643345	New option to create raw images only (no OVA bundle)
24290211	target logical domain boot disk size is becoming same as template size
24393931	Logical Domains Manager should obey <code>hv_allocation_pblock</code> reserved class/type
24422480	<code>ovmtdeploy</code> should expand partition to device extents after writing disk image
24443741	<code>ovmtprop</code> does not correctly set property value strings that contain "="
24472712	<code>xmpp_close_conn()</code> accesses invalid <code>cli_conn_t</code>
24660378	warning: Board /SYS/PM1: Attempt to install socket/cmdqueues frag failed
24711430	keystore 'updates_request' mini-MD missing root node
24754492	ldmd dumped core after repeated shrink-socket command
24833609	<code>ovmtdeploy</code> with <code>-v</code> option fails when a raw disk image path is used

Bugs Affecting the Oracle VM Server for SPARC 3.4.0.2 Maintenance Update Release

Any bugs described in this section might also affect the Oracle VM Server for SPARC 3.4 software.

ovmt_s11_expand_disk.sh Script Exits With an Error Even Though the Partition Expands

Bug ID 24904895: When you run the `ovmt_s11_expand_disk.sh` script, it might exit with an error even if the partition has expanded to the device extent.

Workaround: Ignore the error.

SPARC M7 Series Servers: Booting From a Saved Configuration After Adding a CMIOU Board

Bug ID 22012359: When a partially populated system is upgraded with additional CMUs or CMIOUs and you then attempt to boot an existing configuration, the configuration is rejected and the system reverts to the factory default configuration.

The Logical Domains Manager uses recovery mode to restore the configuration. However, recovery does not preserve named resources, so different CPU and memory resources might be assigned to domains. The configuration rebuilt by recovery mode returns the system to an operational state.

Resolution: To successfully boot from a saved configuration on a SPARC M7 series server after you add a CMIOU board, you must install at least version 9.7.3.b of the system firmware which addresses bug ID 22012359.

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