

Oracle[®] VM Server for SPARC 3.5.0.1 Supplemental Release Notes

February 2018

Oracle VM Server for SPARC 3.5.0.1 Supplemental Release Notes

These supplemental release notes contain the following information about the Oracle VM Server for SPARC 3.5.0.1 maintenance update release:

- [“What's New in This Maintenance Update Release” on page 2](#)
- [“Resolved Issues” on page 3](#)
- [“Documentation Issues” 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 3.5 Installation Guide*](#).

For information about issues with the Oracle VM Server for SPARC 3.5 software, see [Oracle VM Server for SPARC 3.5 Release Notes](#).

What's New in This Maintenance Update Release

The `ldmd/pm_enabled` SMF Property Value Is Set to `false` by Default

Starting with the Oracle VM Server for SPARC 3.5.0.1 maintenance update release, the Power Management (PM) feature is disabled by default on Oracle SPARC systems. You can enable this feature by changing the `ldmd/pm_enabled` SMF property value to `true`.

Note - Support for Logical Domains Manager-based power management is deprecated and might be removed entirely on Oracle SPARC platforms. See [“Deprecated and Removed Oracle VM Server for SPARC Features” in *Oracle VM Server for SPARC 3.5 Release Notes*](#).

Although the `ldmd/pm_enabled` SMF property was introduced in the Oracle VM Server for SPARC 3.5 release, be sure to install the Oracle VM Server for SPARC 3.5.0.1 maintenance update if you want to set this property value to `false`.

To disable PM manually, run the following commands:

```
primary# svccfg -s ldmd setprop ldmd/pm_enabled=false
primary# svcadm refresh ldmd
primary# svcadm restart ldmd
```

To enable PM manually, run the following commands:

```
primary# svccfg -s ldmd setprop ldmd/pm_enabled=true
primary# svcadm refresh ldmd
primary# svcadm restart ldmd
```

Note that the `ldmd/pm_enabled` SMF property applies only to Oracle SPARC systems. The PM functionality remains enabled by default on Fujitsu SPARC systems and is controlled by the `ldmd/fjpm_enabled` SMF property.

New `ldmd/fjpm_enabled` SMF Property

The following description of the `ldmd/fjpm_enabled` has been added to the [ldmd\(1M\)](#) man page:

`ldmd/fjpm_enabled`

Enables or disables Power Management (PM) at `ldmd` startup on Fujitsu SPARC systems. The default value is `true`, which means that PM is enabled.

The first time you set the property after installing the Oracle VM Server for SPARC 3.5.0.1 maintenance update, specify the `boolean` data type to ensure that the `ldmd/fjpm_enabled` SMF property is added to the SMF manifest. For example, the following command disables PM on a Fujitsu SPARC system:

```
primary# svccfg -s ldoms/ldmd setprop ldmd/fjpm_enabled=boolean: false
```

Resolved Issues

The following bugs have been fixed for the Oracle VM Server for SPARC 3.5.0.1 software release:

26408336	Oracle VM Server for SPARC needs to avoid using stale variables/keys at start-of-day
26435797	<code>ldmd</code> crashes after failure to remove cores from a domain
26608395	<code>ovmtcreate/diskio</code> fails with an I/O error when trying to open an empty slice
26747755	Fix for 26235395 has broken effective LPS recalculation in delayed reconfig case
26789900	<code>ldmd</code> coredumps with existing <code>ldom</code> configuration on T5-2 from <code>st_004</code>
26822709	<code>deleteboard</code> with ratio mode may fail if there are multiple MBLOCKS in one DIMM
26929947	<code>ovmtdeploy</code> fails to deploy on two or more physical disks
27055165	<code>spconfig</code> does not save <code>vlan id (vid)</code> of unbound <code>vnet</code> objects
27074852	<code>diskio</code> needs to close file descriptors correctly on error
27201685	Command log write failure may cause deadlock on <code>zeus_log_lock</code>
27220540	Remove <code>ldmd</code> warnings when PM is disabled
27234488	<code>DBGERR_{L,R}</code> and <code>DBGV_BLOCK</code> macros not working as intended
27248004	Disable power management in <code>ldmd</code> by default

Documentation Issues

New `ldmd/pm_enabled` SMF Property

The following description of the `ldmd/pm_enabled` is missing from the [ldmd\(1M\)](#) man page:

`ldmd/pm_enabled` Enables or disables Power Management (PM) at `ldmd` startup. The default value is `false`, which means that PM is disabled.

In addition, when you set the `ldmd/pm_enabled` property value to `false`, the PM Observability Module functionality is also disabled at `ldmd` startup. This functionality is disabled regardless of the `ldmd/pm_observability_enabled` SMF property value.

ldmpower Command Fails if Power Management Is Disabled

The following paragraph is added to the Description section of the [ldmpower\(1M\)](#) man page:

When the `ldmd/pm_enabled` SMF property is set to `false`, which is the default value, running the `ldmpower` command fails with the following error:

```
primary# ldmpower  
Failed to connect to the ldmpower server: Connection refused
```

Part No: E80115

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