

# **Oracle® VM Server for SPARC 3.3.0.1 Supplemental Release Notes**

January 2016

# Oracle VM Server for SPARC 3.3.0.1 Supplemental Release Notes

These supplemental release notes contain the following information about the Oracle VM Server for SPARC 3.3.0.1 maintenance update release:

- “Resolved Issues” on page 2
- “Bugs Affecting the Oracle VM Server for SPARC 3.3.0.1 Maintenance Update Release” on page 2
- “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, “Oracle VM Server for SPARC 3.3 System Requirements” in *Oracle VM Server for SPARC 3.3 Installation Guide*.

For information about issues with the Oracle VM Server for SPARC 3.3 software, see Oracle VM Server for SPARC 3.3 Release Notes.

## Resolved Issues

The following enhancement requests and bugs have been fixed for the Oracle VM Server for SPARC 3.3.0.1 software release:

- |          |   |
|----------|---|
| 15816108 | Ops Center java XMPP client doesn't work on java 1.7.0_07   |
| 19926210 | Memory add reported disabled after mem range blacklist, primary reboot                                  |
| 21554591 | Migration of multi-mblock on the same large page domain on SPARC T7 series servers causes ldmd to crash |
| 21674282 | ldm add-vsan fails after replacing the PCI card   |
| 21779989 | ldm list-hba command shows incorrect aliases of PCI-BOX SLOTS   |
| 22055993 | The control domain requires lowest core   |
| 22081356 | SPARC M7-16 server: ldmd core dump due to fatal error: (1)Getting LDom utilization from the HV          |
| 22182399 | vHBA: dupe aliases are read at startup  |

## Bugs Affecting the Oracle VM Server for SPARC 3.3.0.1 Maintenance Update Release

The bugs described in this section might also affect the Oracle VM Server for SPARC 3.3 software.

### Virtual Functions Might Experience Malicious Behavior When Using Some Intel Network Adapters

When using some Intel network adapters that support SR-IOV, a virtual function might be the target of malicious behavior. Unexpected software-generated frames can throttle traffic between the host and the virtual switch, which might negatively affect performance.

**Workaround:** Configure all SR-IOV-enabled ports to use VLAN tagging to drop unexpected and potentially malicious frames.

- To configure VLAN tagging on a physical function and its associated virtual functions, use the following command:  

```
ldm create-vf [pvid=pvid] [vid=vid1,vid2,...>] net-pf-name
```
- To configure VLAN tagging on an existing virtual function, use the following command:

```
ldm set-io [pvid=[pvid]] [vid=[vid1,vid2,...]] net-vf-name
```

For information about creating the VLAN interface in the I/O domain, see “Using VLAN Tagging” in *Oracle VM Server for SPARC 3.3 Administration Guide*.

## Documentation Issues

### Incorrect Installation Command for the Oracle VM Server for SPARC Management Information Base (MIB) Software

“How to Install the Oracle VM Server for SPARC MIB Software Package” in *Oracle VM Server for SPARC 3.3 Administration Guide* shows the incorrect `pkg install` command.

To install the Oracle VM Server for SPARC MIB software, use the following command line:

```
# pkg install -v pkg:/system/ldoms/mib
```

### Incorrect Installation Command for the Oracle VM Server for SPARC Templates

“Installing the Oracle VM Server for SPARC Template Utilities” in *Oracle VM Server for SPARC 3.3 Administration Guide* shows the incorrect `pkg install` command.

To install the Oracle VM Server for SPARC templates software, use the following command line:

```
# pkg install -v pkg:/system/ldoms/ovmtutils
```

### Incorrect Document Reference for Oracle VM Server for SPARC Management Information Base (MIB) Software

“How to Load the Oracle VM Server for SPARC MIB Module Into the Oracle Solaris SNMP Agent” in *Oracle VM Server for SPARC 3.3 Administration Guide* refers to an out-of-date document. Replace the second paragraph of this task with the following paragraph:

This procedure describes how to configure your system to dynamically load the Oracle VM Server for SPARC MIB module. For information about the net-SNMP agent, install the `pkg:/system/management/snmp/net-smp/documentation` package, which contains the net-SNMP agent man pages and HTML documentation files.

### Determining What Networks Are Present in Logical Domains

You can issue commands from the OpenBoot PROM (OBP) prompt to list network information for logical domains.

Run the `show-nets` command on any domain to list the networks that are available on that domain:

```
OK show-nets
```

Run the `watch-net-all` command on the control domain to list the available networks and to show network traffic:

```
OK watch-net-all
```

This information will be added to an upcoming version of the *Oracle VM Server for SPARC Administration Guide*.

## **Booting Limitations for Virtual SCSI HBAs**

“Booting From a Virtual LUN” in *Oracle VM Server for SPARC 3.3 Administration Guide* does not mention that the system firmware of the UltraSPARC T2, UltraSPARC T2 Plus, and SPARC T3 servers does not support booting from a virtual SCSI HBA.

## **Incorrect RYBES Description**

The `ldm(1M)` man page incorrectly defines the contents of the RBYTES column. The correct definition is as follows:

RBYTES shows the received (inbound) byte count

Copyright ©2007, 2016 This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS. Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

#### **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 that have purchased support 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. Copyright ©2007, 2016 Ce logiciel et la documentation qui l'accompagne sont protégés par les lois sur la propriété intellectuelle. Ils sont concédés sous licence et soumis à des restrictions d'utilisation et de divulgation. Sauf stipulation expresse de votre contrat de licence ou de la loi, vous ne pouvez pas copier, reproduire, traduire, diffuser, modifier, accorder de licence, transmettre, distribuer, exposer, exécuter, publier ou afficher le logiciel, même partiellement, sous quelque forme et par quelque procédé que ce soit. Par ailleurs, il est interdit de procéder à toute ingénierie inverse du logiciel, de le désassembler ou de le décompiler, excepté à des fins d'interopérabilité avec des logiciels tiers ou tel que prescrit par la loi.

Les informations fournies dans ce document sont susceptibles de modification sans préavis. Par ailleurs, Oracle Corporation ne garantit pas qu'elles soient exemptes d'erreurs et vous invite, le cas échéant, à lui en faire part par écrit.

Si ce logiciel, ou la documentation qui l'accompagne, est livré sous licence au Gouvernement des Etats-Unis, ou à quiconque qui aurait souscrit la licence de ce logiciel pour le compte du Gouvernement des Etats-Unis, la notice suivante s'applique:

U.S. GOVERNMENT END USERS. Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

Ce logiciel ou matériel a été développé pour un usage général dans le cadre d'applications de gestion des informations. Ce logiciel ou matériel n'est pas conçu ni n'est destiné à être utilisé dans des applications à risque, notamment dans des applications pouvant causer des dommages corporels. Si vous utilisez ce logiciel ou matériel dans le cadre d'applications dangereuses, il est de votre responsabilité de prendre toutes les mesures de secours, de sauvegarde, de redondance et autres mesures nécessaires à son utilisation dans des conditions optimales de sécurité. Oracle Corporation et ses affiliés déclinent toute responsabilité quant aux dommages causés par l'utilisation de ce logiciel ou matériel pour ce type d'applications.

Oracle et Java sont des marques déposées d'Oracle Corporation et/ou de ses affiliés. Tout autre nom mentionné peut correspondre à des marques appartenant à d'autres propriétaires qu'Oracle.

Intel et Intel Xeon sont des marques ou des marques déposées d'Intel Corporation. Toutes les marques SPARC sont utilisées sous licence et sont des marques ou des marques déposées de SPARC International, Inc. AMD, Opteron, le logo AMD et le logo AMD Opteron sont des marques ou des marques déposées d'Advanced Micro Devices. UNIX est une marque déposée d'The Open Group.

Ce logiciel ou matériel et la documentation qui l'accompagne peuvent fournir des informations ou des liens donnant accès à des contenus, des produits et des services émanant de tiers. Oracle Corporation et ses affiliés déclinent toute responsabilité ou garantie expresse quant aux contenus, produits ou services émanant de tiers, sauf mention contraire stipulée dans un contrat entre vous et Oracle. En aucun cas, Oracle Corporation et ses affiliés ne sauraient être tenus pour responsables des pertes subies, des coûts occasionnés ou des dommages causés par l'accès à des contenus, produits ou services tiers, ou à leur utilisation, sauf mention contraire stipulée dans un contrat entre vous et Oracle.

#### **Accessibilité de la documentation**

Pour plus d'informations sur l'engagement d'Oracle pour l'accessibilité à la documentation, visitez le site Web Oracle Accessibility Program, à l'adresse <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

#### **Accès aux services de support Oracle**

Les clients Oracle qui ont souscrit un contrat de support ont accès au support électronique via My Oracle Support. Pour plus d'informations, visitez le site <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> ou le site <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> si vous êtes malentendant.

E66664

**Oracle Corporation 500 Oracle Parkway, Redwood City, CA 94065 U.S.A.**