

Sun Blade X6270 Server Module Product Notes

Supplemental Release 2.5



Part No.: E36356-02
February 2013

Copyright © 2010, 2011, 2012, Oracle and/or its affiliates. All rights reserved.

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 software documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, 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 on 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. 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.

Copyright © 2010, 2011, 2012 Oracle et/ou ses affiliés. Tous droits réservés.

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 disposition de votre contrat de licence ou de la loi, vous ne pouvez pas copier, reproduire, traduire, diffuser, modifier, breveter, 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 concédé sous licence au Gouvernement des Etats-Unis, ou à toute entité qui délivre la licence de ce logiciel ou l'utilise 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 de 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. 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.



Sun Blade X6270 Server Module Product Notes

This document contains late-breaking information and issues for the Sun Blade X6270 Server Module. Each issue is associated with an internal change request (CR) number that is provided as a reference for Sun Service personnel. When necessary, Sun Service personnel can refer to the CR number for additional information about the issue.

Topics

Description	Link
General information	<ul style="list-style-type: none"><li data-bbox="629 913 1279 965">• "Firmware Supported in Supplemental Software Release 2.5" on page 3<li data-bbox="629 973 1279 1025">• "Versions of Intel Microcode and Reference Code Used in the BIOS Firmware" on page 4<li data-bbox="629 1034 1079 1052">• "Firmware Updates From Sun" on page 4<li data-bbox="629 1060 1308 1078">• "Documentation for Sun Blade X6270 Server Module" on page 5<li data-bbox="629 1086 1286 1138">• "Tools and Drivers DVD for Sun Blade X6270 Server Module" on page 5<li data-bbox="629 1147 1293 1199">• "Support and Patches for Sun Blade X6270 Server Module" on page 5<li data-bbox="629 1208 1008 1225">• "Third-Party Web Sites" on page 5
New hardware and software features	• "Additional Operating Systems Supported" on page 6

Topics

Description	Link
Resolved issues	<ul style="list-style-type: none">• “Known Open Issues” on page 8
Known open issues	<ul style="list-style-type: none">• “Hardware Known Issues” on page 9• “BIOS Known Issues” on page 11• “ILOM Known Issues” on page 12• “VMware Known Issues” on page 15• “Solaris Known Issues” on page 17• “Red Hat and SUSE Linux Known Issues” on page 22• “Windows Known Issues” on page 28• “Sun Installation Assistant Known Issues” on page 32

General Information

Topics

Description	Link
Firmware available as of this supplemental release	<ul style="list-style-type: none">• “Firmware Supported in Supplemental Software Release 2.5” on page 3
Intel Microcode and Reference Code used in the BIOS firmware	<ul style="list-style-type: none">• “Versions of Intel Microcode and Reference Code Used in the BIOS Firmware” on page 4
Download site for firmware updates	<ul style="list-style-type: none">• “Firmware Updates From Sun” on page 4
Download site for latest product documentation	<ul style="list-style-type: none">• “Documentation for Sun Blade X6270 Server Module” on page 5
Support information for Sun Blade X6270 Server Module	<ul style="list-style-type: none">• “Support and Patches for Sun Blade X6270 Server Module” on page 5

Firmware Supported in Supplemental Software Release 2.5

TABLE 1 identifies the ILOM and BIOS firmware versions that are supported in Supplemental Software Release 2.5.

TABLE 1 X6270 Server Module Firmware Available in Supplemental Software Releases

Supplemental Software Release	ILOM SP Firmware for X6270 Server Module	ILOM CMM ¹ Firmware	BIOS Firmware for X6270 Server Module
2.5.1	3.0.16.17.a	2.0.3.10 (minimum) and 3.0.3.32*	07.07.01.03
2.5	3.0.16.17	2.0.3.10 (minimum) and 3.0.3.32*	07.07.01.03
2.4.3	3.0.9.19.g	2.0.3.10 (minimum) and 3.0.3.32*	07.07.01.01
2.4.2	3.0.9.19.f	2.0.3.10 (minimum) and 3.0.3.32*	07.06.02.33
2.4.1	3.0.9.19.d	2.0.3.10 (minimum) and 3.0.3.32*	07.06.02.30
2.4	3.0.9.19.b	2.0.3.10 (minimum) and 3.0.3.32*	07.06.02.30
2.3 (latest update for systems running ILOM 3.0)	3.0.9.19	2.0.3.10 (minimum) and 3.0.3.32*	07.06.02.23
2.1.1	3.0.6.21	2.0.3.10 (minimum) and 3.0.3.32*	07.06.02.15
2.1	3.0.6.10	2.0.3.10 (minimum supported) and 3.0.3.32*	07.06.02.15
2.0.1	3.0.3.35.a	2.0.3.10 (minimum supported) and 3.0.3.32*	07.05.01.01
2.0*	3.0.3.35	2.0.3.10 (minimum supported) and 3.0.3.32*	07.03.00.03
1.4 (latest update for systems running ILOM 2.0)	2.0.3.19	2.0.3.10*	07.04.40.02
¹ Chassis Monitoring Module * Or subsequent release			

TABLE 1 X6270 Server Module Firmware Available in Supplemental Software Releases

Supplemental Software Release	ILOM SP Firmware for X6270 Server Module	ILOM CMM ¹ Firmware	BIOS Firmware for X6270 Server Module
1.2	2.0.3.14	2.0.3.10*	07.02.39.01
1.1	2.0.3.8 (r43734)	2.0.3.10*	07.02.39.00
1.0	2.0.3.8 (r42527)	2.0.3.10*	07.01.38.03

¹ Chassis Monitoring Module
* Or subsequent release



Caution – Downgrading the server to older versions of the software is supported. However, if you downgrade to any version lower than Supplemental Release 1.2, you run the risk of rendering your system service processor inoperable and you will need to contact Sun Service for resolution.

Versions of Intel Microcode and Reference Code Used in the BIOS Firmware

TABLE 2 lists the versions of the Intel Microcode and RC Reference Code used in the BIOS firmware images for Supplemental Releases 1.4, 2.1, 2.3, and 2.4.

TABLE 2 Intel Microcode and Reference Code Used in BIOS Firmware for Supplemental Releases 1.4, 2.1, 2.3, 2.4, and 2.5

Intel Software	Versions
Intel CPU Microcode	SRV_C_81
Intel RC	1.05
Intel CPU Reference Code	1.02
Intel QuickPath Interconnect (QPI) Reference Code	1.05
Intel Memory Reference Code (MRC)	1.05

Firmware Updates From Sun

The latest ILOM and BIOS firmware is shipped installed on the Sun Blade X6270 Server Module. If you need to reinstall this firmware or obtain updates to this firmware, you can obtain the firmware for the Sun Blade X6270 Server Module at:

- <http://www.sun.com/servers/blades/downloads.jsp>

Documentation for Sun Blade X6270 Server Module

Product documentation, as well as updated Product Notes for the Sun Blade X6270 Server Module are available at the following Sun documentation web site:

- <http://docs.sun.com/app/docs/prod/blade.x6270>

Tools and Drivers DVD for Sun Blade X6270 Server Module

A Tools and Drivers DVD for the Sun Blade X6270 Server Module is shipped with your order. This DVD includes device drivers, RAID management software, and other software utilities for use with your server module. If you need a copy of this DVD, or require updates to the software provided on this DVD, you can download the latest Tools and Drivers DVD for the Sun Blade X6270 Server Module at:

- <http://www.sun.com/servers/blades/downloads.jsp>

Support and Patches for Sun Blade X6270 Server Module

Support information and patches for the Sun Blade X6270 Server Module are available at:

- <http://sunsolve.sun.com>

Third-Party Web Sites

Sun is not responsible for the availability of third-party web sites mentioned in this document. Sun does not endorse and is not responsible or liable for any content, advertising, products, or other materials that are available on or through such sites or resources. Sun will not be responsible or liable for any actual or alleged damage or loss caused by or in connection with the use of or reliance on any such content, goods, or services that are available on or through such sites or resources.

Additional Operating Systems Supported

As of Supplemental Software Release 2.4, the Sun Blade X6270 Server Module supports the following new operating system editions:

- Red Hat Enterprise Linux (RHEL) 5.4
- Oracle Enterprise Linux (OEL) 5.4
- SUSE Linux Enterprise Server (SLES) 10 SP3
- SUSE Linux Enterprise Server (SLES) 11
- VMware ESX/ESXi 3.5 U5
- VMware ESX/ESXi 4.0 U1
- Windows Server 2008 R2

Refer to the *Sun Fire X4170, X4270, and X4275 Servers Linux, VMware, Solaris, and OpenSolaris Operating Systems Installation Guide* (820-6176) for the following information:

- Installation instructions for the operating systems listed above
- A complete list of operating systems supported

Note – The Solaris 10 Operating System is available as a preinstalled option on a server disk drive. For configuration instructions for the preinstalled Solaris 10 Operating System, refer to the *Sun Blade X6270 Server Module Installation Guide* (820-6175).

Resolved Issues as of Supplemental Software Release 2.5

Topics

Description	Link
ILOM Resolved Issue	• TABLE 1

TABLE 1 Resolved Issue as of Supplemental Software Release 2.4

6806444	<p data-bbox="505 194 1332 256">Sun ILOM Remote Console Might Hang on Windows Client When Redirecting a CD-ROM Image or Floppy Image</p> <p data-bbox="505 263 1332 388">Issue: When using a Windows client to redirect a CD-ROM image or floppy image from the Sun ILOM Remote Console, the Sun ILOM Remote Console might not respond.</p> <p data-bbox="505 395 1332 604">Affected Operating Systems and Software:</p> <ul data-bbox="505 437 1332 604" style="list-style-type: none">• Windows Operating System installed on client system• ILOM 2.0 or later and ILOM 3.0 or later• Sun ILOM Remote Console• JDK 1.6.0_07• Supplemental Releases 1.0, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3.1, 2.4 <p data-bbox="505 611 1332 673">Fix Available: Fix is available on Supplemental Software Release 2.4.</p>
---------	---

Known Open Issues

Topics

Description	Link
Hardware known issue, description, and workaround	<ul style="list-style-type: none">• “Hardware Known Issues” on page 9
BIOS known issues, descriptions, and workarounds	<ul style="list-style-type: none">• “BIOS Known Issues” on page 11
ILOM known issues, descriptions, and workarounds	<ul style="list-style-type: none">• “ILOM Known Issues” on page 12
VMware known issues, descriptions, and workarounds	<ul style="list-style-type: none">• “VMware Known Issues” on page 15
Linux known issues, descriptions, and workarounds	<ul style="list-style-type: none">• “Red Hat and SUSE Linux Known Issues” on page 22
Windows known issues, descriptions, and workarounds	<ul style="list-style-type: none">• “Windows Known Issues” on page 28
Sun Installation Assistant known issues, descriptions, and workarounds	<ul style="list-style-type: none">• “Sun Installation Assistant Known Issues” on page 32

Hardware Known Issues

TABLE 3 Hardware Known Issues

CR	Description
15861266	<p data-bbox="496 343 896 369">Fault Reported for Non-Existent NEM</p> <p data-bbox="496 388 558 414">Issue: In a powered-off Sun Blade 6000 Modular System, the amber Service Required LED for a network express module (NEM) reports an erroneous fault condition. When the Sun Blade 6000 Modular System that has a Sun Blade X6270 M2 or X6270 M3 server module (blade) installed is powered off, the amber Service Required LED might be illuminated for one of the NEMs (NEM0 or NEM1) even when there is no NEM installed in the chassis. In this case, ILOM reports a <code>fault.fruid.corrupt</code> message.</p> <p data-bbox="496 631 851 657">Affected Hardware and Software: Sun Blade X6270 Server Module Supplemental Software Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4</p> <p data-bbox="496 744 634 770">Workaround: Power on the chassis. After the chassis is powered on, the Service Required LED for the NEM is extinguished and the system recognizes that no NEM is present.</p>
15648626 (formerly CR 6959652)	<p data-bbox="496 852 1310 930">Dual 10-Gb Ethernet Fabric Expansion Model (FEM) X4871A-Z only works in FEM Slot 0 with the 10-Gb Ethernet Switched Network Express Module (NEM) X2073A</p> <p data-bbox="496 949 558 975">Issue: If a reconfiguration or part replacement is required in a Sun Blade X6270 server module, the Dual 10-Gb Ethernet FEM X4871A-Z must be placed in FEM slot 0 with the 10-Gb Ethernet Switched NEM.</p> <p data-bbox="496 1083 851 1109">Affected Hardware and Software: Sun Blade X6270 Server Module Supplemental Software Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4</p> <p data-bbox="496 1196 634 1222">Workaround: Not applicable.</p>

TABLE 3 Hardware Known Issues

CR	Description
6937479	<p data-bbox="416 234 858 262">Use Default CMM and PSU FAN Settings</p> <p data-bbox="416 279 476 303">Issue:</p> <p data-bbox="416 314 1236 423">The normal fan setting is default. OEM fan settings are developed for specific customers after testing their exact configuration and cooling requirement. If any other customer uses the OEM setting arbitrarily, this could cause a thermal event and void the warranty.</p> <p data-bbox="416 440 772 465">Affected Hardware and Software:</p> <p data-bbox="416 475 743 499">Sun Blade X6270 Server Module</p> <p data-bbox="416 510 1229 534">Supplemental Software Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4</p> <p data-bbox="416 552 554 576">Workaround:</p> <p data-bbox="416 586 1229 638">Use the default fan setting. If a customer needs to use an OEM setting, they need to work with their Service/Account team to have these settings approved.</p>
6890913	<p data-bbox="416 656 1158 683">Active LED Does Not Illuminate When Solid State Disk (SSD) Is Idle</p> <p data-bbox="416 701 476 725">Issue:</p> <p data-bbox="416 736 1229 817">Active LEDs do not illuminate when the blade powers on using the latest SSD and Controller firmware versions with onboard SATA controller, Adaptec RAID controller, and LSI RAID controller.</p> <p data-bbox="416 835 772 859">Affected Hardware and Software:</p> <p data-bbox="416 869 743 894">Sun Blade X6270 Server Module</p> <p data-bbox="416 904 1229 928">Supplemental Software Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4</p> <p data-bbox="416 946 554 970">Workaround:</p> <p data-bbox="416 980 1229 1032">Workaround is not yet available. This abnormal LED behavior does not impact the operation, performance, or functionality of the SSD.</p>
6795890	<p data-bbox="416 1050 1210 1102">USB Devices Not Shown in BIOS Boot Order When Using a CompactFlash Device</p> <p data-bbox="416 1119 476 1144">Issue:</p> <p data-bbox="416 1154 1229 1206">In rare cases, when a CompactFlash device is connected using the CompactFlash connector, some USB devices might not be accessible in the BIOS boot-list.</p> <p data-bbox="416 1223 772 1248">Affected Hardware and Software:</p> <ul data-bbox="416 1258 1215 1345" style="list-style-type: none"> <li data-bbox="416 1258 768 1282">• Sun Blade X6270 Server Module <li data-bbox="416 1293 1215 1345">• Supplemental Software Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="416 1362 554 1387">Workaround:</p> <p data-bbox="416 1397 1236 1421">Reboot the system. If the problem persists after the reboot, initiate a service call.</p>

BIOS Known Issues

TABLE 4 BIOS Known Issues

CR	Description
7005619	Operating System Might Hang After Running Pc Check Diagnostics
	Issue: After running Pc Check, if you attempt to install or boot an operating system, the OS install or boot might hang.
	Affected Software: <ul style="list-style-type: none"> • Software releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4
	Workaround: Reboot the system after running Pc Check and before trying to install or boot an operating system.
6917623	"EHCI: BIOS handoff failed" Message Appears When Legacy USB is Enabled
	Issue: The following BIOS error appears in the log during boot: [118.727293] 0000:00:1d.7 EHCI: BIOS handoff failed (BIOS bug ?) 01010001...
	Affected Operating Systems and Software: <ul style="list-style-type: none"> • All supported operating systems • Supplemental Software Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4
	Workaround: Disable "Legacy USB" setting in BIOS and the error message will not appear. Or you can ignore the error message with no impact to the OS and applications.
6757722	LSI Utility Drive Enumeration Is Misleading
	Issue: Drive enumeration is misleading. Slot enumeration should be 0,1,2,3, or 1,2,3,4. LSI utility shows drives in slots 4 and 5, which are the top two drives (2 and 3).
	Affected Operating Systems and Software: <ul style="list-style-type: none"> • All supported operating systems • Supplemental Software Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4
	Workaround: There is no workaround. Check for the availability of a patch.

ILOM Known Issues

TABLE 5 ILOM Known Issues

CR	Description
6779289	<p data-bbox="418 343 1236 401">In-chip Connectivity Between the SP and the Host OS Is Not Supported When Using Sideband Network Port Sharing</p> <p data-bbox="418 418 476 440">Issue: When configured for sideband (SB) network port sharing, in-chip connectivity between the service processor (SP) and the host OS is not supported by the on-board host Gigabit Ethernet controller.</p> <p data-bbox="418 552 615 574">Affected Software:</p> <ul data-bbox="418 583 1036 609" style="list-style-type: none"> • Supplemental Releases 1.0, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3.1, 2.4 <p data-bbox="418 626 554 649">Workaround: Use a different port or route to transmit traffic between the source and destination targets instead of using L2 bridging/switching.</p>
6913602	<p data-bbox="418 734 1090 756">ILOM Fails To Read DIMM FRU Information When Host is On</p> <p data-bbox="418 774 476 796">Issue: When the host is on, FRU information for DIMMs is lost after Reset ILOM with factory option and ILOM reboot.</p> <p data-bbox="418 883 615 906">Affected Software:</p> <ul data-bbox="418 914 668 940" style="list-style-type: none"> • ILOM3.0.9.19.b r59793 <p data-bbox="418 958 554 980">Workaround: Power off the Host before setting <code>reset_to_defaults=factory</code>, then reboot the SP.</p>
6930223	<p data-bbox="418 1067 948 1090">Network Case Fails When Running SUNVTS7PS8</p> <p data-bbox="418 1107 476 1130">Issue: When running SUNVTS7.0PS8, the network case will fail. The fix has not yet been backported to Solaris10.</p> <p data-bbox="418 1216 615 1239">Affected Software:</p> <ul data-bbox="418 1248 1019 1274" style="list-style-type: none"> • Supplemental Releases 1.0, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="418 1291 554 1314">Workaround: Use the loopback connector for Virgo igb interfaces. The S10 patch 143355-03 is available on sunsolve.com.</p>

TABLE 5 ILOM Known Issues (*Continued*)

CR	Description
6882835 6884652	<p data-bbox="496 234 1229 262">Power Management Budget Is Not Supported on RHEL 4.7, 5.3, or 5.4</p> <p data-bbox="496 279 558 303">Issue:</p> <p data-bbox="496 314 1310 423">Multiple issues occur if you try to use the Power Budget feature of Power Management on servers running Red Hat Enterprise Linux (RHEL) 4.7, 5.3, or 5.4. These issues can lead to configured power budgets being exceeded or lower than expected CPU performance.</p> <p data-bbox="496 440 943 465">Affected Operating Systems and Software:</p> <ul data-bbox="496 475 986 569" style="list-style-type: none"> <li data-bbox="496 475 986 499">• Red Hat Enterprise Linux (RHEL) 4.7, 5.3, 5.4 <li data-bbox="496 510 629 534">• ILOM 3.0.6 <li data-bbox="496 545 858 569">• Supplemental Release 2.1, 2.3, 2.4 <p data-bbox="496 586 629 611">Workaround:</p> <p data-bbox="496 621 1300 673">Do not use the Power Budget feature when running Red Hat Enterprise Linux (RHEL) 4.7, 5.3, or 5.4.</p>
6795975	<p data-bbox="496 690 1139 715">Subsequent ILOM Session KVMs Interface Might Not Work</p> <p data-bbox="496 732 558 756">Issue:</p> <p data-bbox="496 767 1305 854">When multiple ILOM Remote Console sessions are opened to the same service processor, the additional session's keyboard interface might not work. The first session's keyboard interface is not affected.</p> <p data-bbox="496 871 691 895">Affected Software:</p> <ul data-bbox="496 906 1233 930" style="list-style-type: none"> <li data-bbox="496 906 1233 930">• Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="496 947 629 972">Workaround:</p> <ul data-bbox="496 982 1310 1130" style="list-style-type: none"> <li data-bbox="496 982 1310 1034">• Double-click in the ILOM Remote Console dialog to activate the mouse, then move the mouse. <p data-bbox="496 1043 519 1067">Or</p> <ul data-bbox="496 1078 1310 1130" style="list-style-type: none"> <li data-bbox="496 1078 1310 1130">• In the ILOM Remote Console menu bar, select Devices --> Mouse, then move the mouse.
6800702	<p data-bbox="496 1147 1110 1171">64-bit JRE Fails to Launch the Sun ILOM Remote Console</p> <p data-bbox="496 1189 558 1213">Issue:</p> <p data-bbox="496 1223 1310 1338">An attempt to start Storage Redirection in ILOM might fail when using a 64-bit JRE. Since the 64-bit JRE is the default on a 64-bit system, you might also need to download a 32-bit JRE. When using a 64-bit JRE to start Storage Redirection, an "Unsupported platform" error appears.</p> <p data-bbox="496 1355 691 1380">Affected Software:</p> <ul data-bbox="496 1390 1233 1414" style="list-style-type: none"> <li data-bbox="496 1390 1233 1414">• Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="496 1432 629 1456">Workaround:</p> <p data-bbox="496 1466 1196 1491">Install a 32-bit JRE on the 64-bit system. JREs can be downloaded at:</p> <p data-bbox="496 1501 991 1525">http://java.com/en/download/index.jsp</p>

TABLE 5 ILOM Known Issues (*Continued*)

CR	Description
6840591	<p data-bbox="416 234 1238 293">IPMI GUID Changes When Switching ILOM Management Between Sideband and Out-Of-Band</p> <p data-bbox="416 300 1238 515">Issue: When switching ILOM management between sideband and out-of-band, the IPMI GUID will change. This unexpected behavior might affect applications that use IPMI GUID for system management (for example, Sun xVM Ops Center) or for deployments that use SMBIOS UUID for server provisioning. Ensure that the ILOM configuration for sideband or out-of-band is complete prior to configuring third-party system management or server provisioning tools.</p> <p data-bbox="416 522 1238 591">Affected Software:</p> <ul data-bbox="416 557 1238 591" style="list-style-type: none"><li data-bbox="416 557 1238 591">• Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="416 598 1238 661">Workaround: There is no workaround. Check for availability of a patch.</p>

VMware Known Issues

TABLE 6 VMware Known Issues

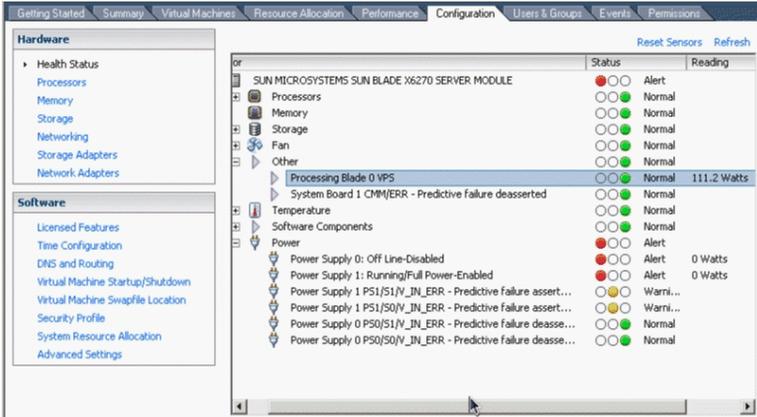
CR	Description																																																						
6779112	<p data-bbox="496 326 1325 378">Misleading Status for Power Supplies Is Reported by VMware Health Status Screen</p> <p data-bbox="496 401 558 421">Issue:</p> <p data-bbox="496 432 1325 513">The VMware Virtual Infrastructure client Health Status screen under the Power component reports the server power supplies in an Off-Line Disabled state and 0 watts, even though the power supplies are on-line and enabled.</p> <p data-bbox="496 532 943 557">Affected Operating Systems and Software:</p> <ul data-bbox="496 565 1236 623" style="list-style-type: none"> • VMware ESX 3.5u4 • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="496 644 634 668">Workaround:</p> <p data-bbox="496 678 1286 760">To view the correct power status while in the VMware Virtual Infrastructure client Health Status screen, click on the Other component from the list of available options and view the blade <i>n</i> VPS (where <i>n</i> is the blade number).</p>  <p>The screenshot shows the VMware Virtual Infrastructure client interface. The 'Configuration' tab is active, and the 'Health Status' section is expanded to show 'Other'. The 'Processing Blade 0 VPS' is selected, and the table below shows the status of various components. The power supply status is 'Normal' with a reading of 111.2 Watts.</p> <table border="1" data-bbox="725 835 1253 1130"> <thead> <tr> <th></th> <th>Status</th> <th>Reading</th> </tr> </thead> <tbody> <tr> <td>SUN MICROSYSTEMS SUN BLADE X6270 SERVER MODULE</td> <td>Alert</td> <td></td> </tr> <tr> <td>Processors</td> <td>Normal</td> <td></td> </tr> <tr> <td>Memory</td> <td>Normal</td> <td></td> </tr> <tr> <td>Storage</td> <td>Normal</td> <td></td> </tr> <tr> <td>Fan</td> <td>Normal</td> <td></td> </tr> <tr> <td>Other</td> <td>Normal</td> <td></td> </tr> <tr> <td>Processing Blade 0 VPS</td> <td>Normal</td> <td>111.2 Watts</td> </tr> <tr> <td>System Board 1 CMM(ERR) - Predictive failure deasserted</td> <td>Normal</td> <td></td> </tr> <tr> <td>Temperature</td> <td>Normal</td> <td></td> </tr> <tr> <td>Software Components</td> <td>Normal</td> <td></td> </tr> <tr> <td>Power</td> <td>Alert</td> <td></td> </tr> <tr> <td>Power Supply 0: Off Line-Disabled</td> <td>Alert</td> <td>0 Watts</td> </tr> <tr> <td>Power Supply 1: Running/Full Power-Enabled</td> <td>Alert</td> <td>0 Watts</td> </tr> <tr> <td>Power Supply 1 PS1/SQ/IV_IN_ERR - Predictive failure assert...</td> <td>Warni...</td> <td></td> </tr> <tr> <td>Power Supply 1 PS1/SQ/IV_IN_ERR - Predictive failure assert...</td> <td>Warni...</td> <td></td> </tr> <tr> <td>Power Supply 0 PS0/S1/IV_IN_ERR - Predictive failure deasse...</td> <td>Normal</td> <td></td> </tr> <tr> <td>Power Supply 0 PS0/SQ/IV_IN_ERR - Predictive failure deasse...</td> <td>Normal</td> <td></td> </tr> </tbody> </table>		Status	Reading	SUN MICROSYSTEMS SUN BLADE X6270 SERVER MODULE	Alert		Processors	Normal		Memory	Normal		Storage	Normal		Fan	Normal		Other	Normal		Processing Blade 0 VPS	Normal	111.2 Watts	System Board 1 CMM(ERR) - Predictive failure deasserted	Normal		Temperature	Normal		Software Components	Normal		Power	Alert		Power Supply 0: Off Line-Disabled	Alert	0 Watts	Power Supply 1: Running/Full Power-Enabled	Alert	0 Watts	Power Supply 1 PS1/SQ/IV_IN_ERR - Predictive failure assert...	Warni...		Power Supply 1 PS1/SQ/IV_IN_ERR - Predictive failure assert...	Warni...		Power Supply 0 PS0/S1/IV_IN_ERR - Predictive failure deasse...	Normal		Power Supply 0 PS0/SQ/IV_IN_ERR - Predictive failure deasse...	Normal	
	Status	Reading																																																					
SUN MICROSYSTEMS SUN BLADE X6270 SERVER MODULE	Alert																																																						
Processors	Normal																																																						
Memory	Normal																																																						
Storage	Normal																																																						
Fan	Normal																																																						
Other	Normal																																																						
Processing Blade 0 VPS	Normal	111.2 Watts																																																					
System Board 1 CMM(ERR) - Predictive failure deasserted	Normal																																																						
Temperature	Normal																																																						
Software Components	Normal																																																						
Power	Alert																																																						
Power Supply 0: Off Line-Disabled	Alert	0 Watts																																																					
Power Supply 1: Running/Full Power-Enabled	Alert	0 Watts																																																					
Power Supply 1 PS1/SQ/IV_IN_ERR - Predictive failure assert...	Warni...																																																						
Power Supply 1 PS1/SQ/IV_IN_ERR - Predictive failure assert...	Warni...																																																						
Power Supply 0 PS0/S1/IV_IN_ERR - Predictive failure deasse...	Normal																																																						
Power Supply 0 PS0/SQ/IV_IN_ERR - Predictive failure deasse...	Normal																																																						

TABLE 6 VMware Known Issues (*Continued*)

CR	Description
6837645	<p data-bbox="416 234 1222 265">Local Storage Drive Is Not Seen After Installing VMware ESXi 3.5 Update 4</p> <p data-bbox="416 282 476 305">Issue:</p> <p data-bbox="416 315 1229 397">If the Sun Blade X6270 Server Module has a local storage drive attached to a Sun Blade RAID 0/1 RAID Expansion Module (X4607A-Z), the local storage drive is not seen by the system after installing VMware ESXi 3.5 Update 4.</p> <p data-bbox="416 414 865 442">Affected Operating Systems and Software:</p> <ul data-bbox="416 447 1158 510" style="list-style-type: none"> <li data-bbox="416 447 644 473">• VMware ESXi 3.5u4 <li data-bbox="416 482 1158 510">• Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="416 527 554 552">Workaround:</p> <p data-bbox="416 560 1168 614">After completing the ESXi installation, follow these steps to add the local storage drive to the storage inventory:</p> <ol data-bbox="416 621 1200 1008" style="list-style-type: none"> <li data-bbox="416 621 1148 675">1. Add the ESXi host to the data center of your choice using the Virtual Infrastructure Client. <li data-bbox="416 683 1186 710">2. Select the ESXi host added in Step 1, then click the <i>Configuration</i> tab. <li data-bbox="416 718 1168 744">3. In the <i>hardware</i> box (in the upper left of the display), select <i>Storage</i>. <li data-bbox="416 753 1168 779">4. In the upper right part of the display, click the <i>Add Storage...</i> link. <li data-bbox="416 788 1140 814">5. Ensure that the <i>Disk/LUN Storage Type</i> is selected, then click <i>Next</i>. <li data-bbox="416 822 1200 876">6. Highlight the <i>vmhba</i> entry that corresponds to the local storage drive and click <i>Next</i>. <li data-bbox="416 885 962 911">7. Select the <i>Use free space</i> entry and click <i>Next</i>. <li data-bbox="416 920 1165 946">8. Create a <i>Datastore Name</i> (for example, <i>local_storage</i>), then click <i>Next</i>. <li data-bbox="416 954 1029 980">9. Adjust the <i>Maximum file size</i>, if needed, then click <i>Next</i>. <li data-bbox="416 989 972 1008">10. Verify the proposed disk layout, then click <i>Finish</i>. <p data-bbox="416 1017 1019 1036">The local VMFS datastore should now be available for use.</p>

Solaris Known Issues

TABLE 7 Solaris Known Issues

CR	Description
6930223	<p data-bbox="489 317 1022 343">Network Case Fails When Running SUNVTS7PS8</p> <p data-bbox="489 361 554 387">Issue: When running SUNVTS7.0PS8, the network case will fail. The fix has not yet been backported to Solaris10.</p> <p data-bbox="489 456 689 482">Affected Software:</p> <ul data-bbox="489 491 1093 517" style="list-style-type: none"> • Supplemental Releases 1.0, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="489 534 632 560">Workaround: Patch is not yet available.</p>
6889350	<p data-bbox="489 604 1250 656">Solaris FMA may fail to load and cause hang on system shutdown with particular memory configuration</p> <p data-bbox="489 673 554 699">Issue: With mixed 4Gb and 8Gb dimms present in the same channel, Solaris FMA may fail to start correctly on system boot, and may cause the system to hang on shutdown. Svc's will report that the fma daemon (fmd) is offline. This issue has been seen with the following memory configuration: 8Gb dimms in D2,D5,D8 and 4Gb dimms in D1, D4, D7</p> <p data-bbox="489 899 943 925">Affected Operating Systems and Software:</p> <ul data-bbox="489 933 679 994" style="list-style-type: none"> • Solaris 10 10/08 • Solaris 10 5/09 <p data-bbox="489 1012 632 1038">Workaround: For the above memory configuration, placing the dimms in the following order does not cause this issue 8Gb dimms in D1,D4,D7 and 4Gb dimms in D2, D5, D8 Arrange dimms to ensure that all dimms within a channel are the same capacity. The Solaris 10 patch 1369140=-01 is available on http://sunsolve.sun.com.</p>

TABLE 7 Solaris Known Issues (*Continued*)

CR	Description
6883310	<p data-bbox="411 230 1243 291">On Systems Running the Solaris OS, Setting the Power Management Hardcap Power Limit Prior to Booting the System Does Not Control System Power</p> <p data-bbox="411 300 1243 418">Issue: If you set a power limit with <code>timelimit=0</code> (none) prior to booting the system and the operating system (OS) is Solaris 10 05/09, the power limit is not adhered to by the system.</p> <p data-bbox="411 427 1243 526">Affected Operating Systems and Software:</p> <ul data-bbox="411 461 1243 526" style="list-style-type: none"> • Solaris 10 05/09 • Supplemental Software Release 2.1, 2.3, 2.4 <p data-bbox="411 534 1243 696">Workaround: After the OS is booted, do the following: 1. Disable the budget activation state. 2. Re-enable the budget activation state. Note - Note - Note - This must be done each time after the OS is booted.</p>
6731637	<p data-bbox="411 704 1243 743">Boot Disk Size Limitation</p> <p data-bbox="411 751 1243 812">Issue: Solaris 10 05/09 will not install on a disk device that is greater than 1 TB in size.</p> <p data-bbox="411 821 1243 916">Affected Hardware and Operating Systems:</p> <ul data-bbox="411 855 1243 916" style="list-style-type: none"> • Sun Blade X6270 • Solaris 10 05/09 <p data-bbox="411 925 1243 1005">Workaround: This issue will be resolved in the next release of Solaris. Install the OS on a boot device that is 1 TB or smaller.</p>

TABLE 7 Solaris Known Issues (*Continued*)

CR	Description
6764573	<p data-bbox="492 236 1262 262">KVMS Redirection Does Not Work When Intel VT-d Is Enabled in BIOS</p> <p data-bbox="492 274 554 300">Issue:</p> <p data-bbox="492 309 1315 447">USB devices used for remote KVMS redirected keyboard and storage will not work with Intel VT-d enabled. An installation over redirected DVD might start, then hang after an IOMMU fault message is displayed on the console. The redirected USB keyboard will also hang. Other devices might be affected as well. When the failure occurs, IOMMU faults will display a message similar to:</p> <pre data-bbox="492 456 1315 595">WARNING: dmar0,0 generated a fault event when translating DMA read on address 0x0 for PCI(0, 26, 7), the reason is: The Read field in a page-table entry is Clear when DMA read WARNING: /pci@0,0/pci1028,235@1a,7 (ehci0): Unrecoverable USB Hardware Error.</pre> <p data-bbox="492 609 943 635">Affected Operating Systems and Software:</p> <ul data-bbox="492 644 1233 670" style="list-style-type: none"> • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="492 683 629 710">Workaround:</p> <p data-bbox="492 718 915 744">Perform one of the following procedures:</p> <p data-bbox="492 753 715 779">Disable VT-d in BIOS:</p> <p data-bbox="492 788 1110 831">At system start-up, press F2 after POST to enter BIOS Setup. Choose Advanced tab then disable the setting for VT-d.</p> <p data-bbox="492 840 515 866">Or</p> <p data-bbox="492 874 1005 900">Disable intel-iommu in the Solaris GRUB menu:</p> <p data-bbox="492 909 1310 961">Note - Note - Note - Help for editing the GRUB menu is available at the bottom of each screen.</p> <ol data-bbox="492 996 1310 1204" style="list-style-type: none"> 1. During installation modify the GRUB menu by adding: -B intel-iommu=no 2. When the GRUB menu appears, type 'e' to edit then scroll to the appropriate boot entry. 3. Using the arrow keys, select the following line: kernel\$ /platform/i86pc/kernel/\$ISADIR/unix (<i>continued on next page</i>)

TABLE 7 Solaris Known Issues (*Continued*)

CR	Description
6764573 (<i>continued</i>)	<p>Workaround (<i>continued</i>)</p> <ol style="list-style-type: none"> 4. Press 'e' to edit the entry. 5. Append <code>-Bintel-iommu=no</code> to the line so that it looks like this: <pre>kernel\$ /platform/i86pc/kernel/\$ISADIR/unix -Bintel-iommu=no</pre> 6. Press Enter then press 'b' to boot. If you are adding this boot option to a list of existing options, note that the delimiter for boot options is a comma. For example: <pre>kernel\$ /platform/i86pc/kernel/\$ISADIR/unix -Bconsole=ttya,intel-iommu=no</pre> 7. After the installation completes, repeat the GRUB editing step outlined above prior to boot. 8. Boot, and edit <code>/platform/i86pc/kernel/drv/rootnex.conf</code>, adding the line: <pre>intel-iommu=no</pre> 9. After installation, modify: <pre>/platform/i86pc/kernel/drv/rootnex.conf: adding</pre> <pre>intel-iommu=no</pre> 10. Rebuild the boot archive by typing: <pre>bootadm update-archive</pre>
6767389	<p>Hot-Insert for Certain ExpressModules Is Not Supported by Solaris</p> <p>Issue: When using Solaris 10 10/08, the following ExpressModules cannot be hot-inserted:</p> <ul style="list-style-type: none"> • Sun Fibre Channel - 4Gigabit/Sec PCIe Dual FC / Dual Gigabit Ethernet Host Adapter ExpressModule (EM) (SG-XPCIE2FCGBE-Q-Z) • Fibre Channel - 4Gigabit/Sec PCI-X Dual FC Host Adapter (Emulex) (SG-XPCIE2FCGBE-E-Z) • Sun Quad Gigabit Ethernet Module (X7284A-Z) <p>Affected Operating Systems and Software:</p> <ul style="list-style-type: none"> • Solaris 10 10/08 • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p>Workaround: Insert the affected modules and reboot in order for them to be recognized.</p>

TABLE 7 Solaris Known Issues (*Continued*)

CR	Description
6783710	<p data-bbox="492 237 1082 262">ExpressModule (X1028A-Z) Is Not Supported by Solaris</p> <p data-bbox="492 274 554 298">Issue:</p> <p data-bbox="492 309 1265 361">The Solaris 10 10/08 and operating systems do not support the Sun x8 PCI Express Dual 10 Gigabit Ethernet ExpressModule (X1028A-Z and 1108A-Z).</p> <p data-bbox="492 373 943 397">Affected Operating Systems and Software:</p> <ul data-bbox="492 407 1233 465" style="list-style-type: none"> <li data-bbox="492 407 679 432">• Solaris 10 10/08 <li data-bbox="492 439 1233 465">• Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="492 477 629 501">Workaround:</p> <p data-bbox="492 512 1093 536">For Solaris, support will be bundled into a future release. .</p>
6836590	<p data-bbox="492 555 1133 579">High-Speed USB 2.0 Devices Might Not Enumerate Properly</p> <p data-bbox="492 591 554 616">Issue:</p> <p data-bbox="492 626 1310 708">In rare cases when booting the Solaris 10 10/08 Operating System, a USB initialization problem can occur that causes high-speed devices to go undetected by Solaris.</p> <p data-bbox="492 720 943 744">Affected Operating Systems and Software:</p> <ul data-bbox="492 755 1233 812" style="list-style-type: none"> <li data-bbox="492 755 679 779">• Solaris 10 10/08 <li data-bbox="492 786 1233 812">• Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="492 824 629 848">Workaround:</p> <p data-bbox="492 859 1286 911">Reboot Solaris. If USB enumeration issues persist across multiple consecutive reboots, then the problem is not due to this known issue.</p>

Red Hat and SUSE Linux Known Issues

TABLE 8 Red Hat and SUSE Linux Known Issues

CR	Description
7006903	<p>Failure Message Appears After Booting SLES11 SP1 x64 and Oracle Linux 5.5 With Oracle Unbreakable Enterprise Kernel</p> <p>Issue: This issue exists on OSes with the 2.6.32 kernel or subsequent, such as SLES11SP1 64-bit and Oracle Linux 5.5 64-bit. When OS is loading iTCO_wdt watchdog driver, it reports the following error: "[63.009559] iTCO_wdt: failed to reset NO_REBOOT flag, reboot disabled by hardware". The watchdog timer feature in ICH10 is not supported on X6270 hardware, so the driver can't initialize the device correctly.</p> <p>Affected Operating Systems and Software:</p> <ul style="list-style-type: none"> • Red Hat Enterprise Linux (RHEL) 5.3 • SUSE Linux Enterprise Server 11 Service Pack 1 • Oracle Linux 5.5 with Oracle Unbreakable Enterprise Kernel • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p>Workaround: Not available.</p>
6817764	<p>ILOM Power Budget Feature Does Not Work Unless RHEL 5.3 Errata CPUSPEED Package Is Used</p> <p>Issue: The speedstep-centrino cpufreq driver was built into the RHEL kernel, and the acpi-cpufreq driver was included as a module. The two cpufreq scaling drivers conflict due to Red Hat init scripts. This conflict causes the RHEL kernel to not honor CPU power capping directives from ILOM.</p> <p>Affected Operating Systems and Software:</p> <ul style="list-style-type: none"> • Red Hat Enterprise Linux (RHEL) 5.3 • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p>Workaround: The problem was corrected by Red Hat and a fix was released to the public. Users of Red Hat Enterprise Linux 5.3 should use the latest 5.3 errata cpuspeed package available for download. For more information, see the following document for download details: http://rhn.redhat.com/errata/RHBA-2009-0424.html</p>

TABLE 8 Red Hat and SUSE Linux Known Issues (Continued)

CR	Description
6830785	<p data-bbox="496 239 1215 291">SLES XEN Host (Dom 0) Using igb.ko Driver Will Drop XEN Guest (Dom U) Packets When IPv4 TX Checksum Offload Is Enabled</p> <p data-bbox="496 314 558 335">Issue:</p> <p data-bbox="496 345 1315 401">The XEN Host (Dom 0) will corrupt XEN Guest (Dom U) network traffic during transmission to and from the physical interface under the following conditions:</p> <ol data-bbox="496 406 1276 562" style="list-style-type: none"> <li data-bbox="496 406 1058 434">1. XEN Host (Dom 0) is SLES 10 SP2 operating system. <li data-bbox="496 439 1276 494">2. The inbox SLES 10 SP2 Intel igb.ko driver is being used on the XEN Host (Dom 0). <li data-bbox="496 499 1125 527">3. IPv4 TX checksum is enabled on the XEN Guests (Dom U). <li data-bbox="496 532 1253 562">4. XEN Guests (Dom U) are using optimized paravirtualized NIC drivers. <p data-bbox="496 579 946 604">Affected Operating Systems and Software:</p> <ul data-bbox="496 614 1196 673" style="list-style-type: none"> <li data-bbox="496 614 1150 638">• SUSE Linux Enterprise Server 10 Service Pack 2 (SLES10 SP2) <li data-bbox="496 644 1196 673">• Supplemental Software Releases 1.0, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="496 690 634 715">Workaround:</p> <p data-bbox="496 725 1308 833">A later version of the driver has been compiled for SLES 10 SP2 to resolve this issue. Upgrade to the latest driver version. This issue has been documented by Novell SLES support in the following Technical Information Document (TID), which is available at this location:</p> <p data-bbox="496 838 1308 918">http://www.novell.com/support/php/search.do?cmd=displayKC&docType=kc&externalId=7003448&sliceId=1&docTypeID=DT_TID_1_1&dialogID=39728435&stateId=0%20%2060594008</p> <p data-bbox="496 923 1279 979">Please refer to the TID for information on the latest igb driver that fixes this issue.</p>
6729577	<p data-bbox="496 998 1190 1022">PCIHP Hot-Plug Default Driver Is Not Supported by SLES10 SP2</p> <p data-bbox="496 1045 558 1065">Issue:</p> <p data-bbox="496 1076 1315 1183">SLES10 SP2 has disabled interrupts on the PCI Express root ports. As a result, pciehp hot-plug does not function properly with default driver options. This can result in USB devices being inadvertently disabled when hot-plug actions are attempted.</p> <p data-bbox="496 1201 946 1225">Affected Operating Systems and Software:</p> <ul data-bbox="496 1236 1239 1295" style="list-style-type: none"> <li data-bbox="496 1236 1041 1260">• SUSE Linux Enterprise Server 10 SP2 (SLES10 SP2) <li data-bbox="496 1265 1239 1295">• Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="496 1312 634 1336">Workaround:</p> <p data-bbox="496 1347 1143 1371">You must load the pciehp driver with the following parameter.</p> <p data-bbox="496 1381 736 1406"><code>pciehp_poll_mode=1</code></p> <p data-bbox="496 1416 629 1440">For example:</p> <p data-bbox="496 1451 958 1475"><code>modprobe pciehp pciehp_poll_mode=1</code></p>

TABLE 8 Red Hat and SUSE Linux Known Issues (Continued)

CR	Description
6763570	<p data-bbox="416 239 1133 265">Preferred Method for Preventing RHEL 4.7 to Load Hot-Plug Driver</p> <p data-bbox="416 284 476 305">Issue:</p> <p data-bbox="416 317 1236 401">On the Sun Blade X6270 Server Module, it is necessary for the administrator to choose a preferred method and to explicitly prevent Red Hat Enterprise Linux 4 from loading the hot-plug driver (acpiphp or pciehp).</p> <p data-bbox="416 418 865 444">Affected Operating Systems and Software:</p> <ul data-bbox="416 453 1158 510" style="list-style-type: none"> • Red Hat Enterprise Linux (RHEL) 4.7 • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="416 529 554 550">Workaround:</p> <p data-bbox="416 562 1229 670">Blacklist the undesired module in <code>/etc/modprobe.conf</code> using the <code>install</code> command to direct the system to run <code>/bin/true</code> instead of inserting the incorrect hot-plug module if it is called by the kernel in response to a PCIe bus event.</p> <p data-bbox="416 682 548 703">For example:</p> <ol data-bbox="416 715 729 772" style="list-style-type: none"> 1. Edit <code>/etc/modprobe.conf</code> 2. Add either of these lines: <pre data-bbox="439 782 1058 873">install acpiphp /bin/true ;#blacklist acpiphp or install pciehp /bin/true ;#blacklist pciehp</pre> <p data-bbox="416 881 1236 939">For additional information, see Red Hat Release Note for the RHEL 4 product at: http://www.redhat.com</p>
6831175	<p data-bbox="416 960 1236 1017">Code for PCIe Hot-Plug Driver in RHEL 4.x Cannot Properly Handle Insertion of I/O Cards With Bridge Chips</p> <p data-bbox="416 1036 476 1057">Issue:</p> <p data-bbox="416 1069 1236 1126">Because of outdated code, attempting to hot-insert the following I/O cards with bridge chips will likely result in a system hang:</p> <ul data-bbox="416 1135 1093 1277" style="list-style-type: none"> • Sun StorageTek Dual 4 Gb FC Dual GbE HBA QLogic (SG-XPCIE2FCGBE-Q-Z) • Sun StorageTek Dual 4 Gb FC Dual GbE HBA Emulex (SG-XPCIE2FCGBE-E-Z) • Sun x4 PCIe Quad Gigabit Ethernet ExpressModule (X7284A-Z) <p data-bbox="416 1296 865 1322">Affected Operating Systems and Software:</p> <ul data-bbox="416 1331 1115 1388" style="list-style-type: none"> • RHEL 4.x • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.3, 2.4 <p data-bbox="416 1407 554 1428">Workaround:</p> <p data-bbox="416 1440 1236 1550">Currently, there is no fix available. RHEL 4 is nearing the end of its support cycle, and it is possible that this issue might not be fixed. Users that need to hot-insert I/O cards with bridge chips should use the legacy acpiphp hot-plug driver under RHEL 4.x.</p>

TABLE 8 Red Hat and SUSE Linux Known Issues (Continued)

CR	Description
<p>6766163 6766172 6771124</p>	<p>Legacy PCIe Hot-Plug Is Not Supported by SLES10 SP2</p> <p>Issue: SLES10 SP2 is not able to do legacy hot-plug on the Sun Blade X6270 Server Module. During boot up the kernel loads the PCIE_AER driver. This driver gains native (pciehp) control of PCIe hot-plug slots using the BIOS/ACPI _OSC method. After this occurs, the legacy (acpiphp) hot-plug driver should never be loaded.</p> <p>Affected Operating Systems and Software:</p> <ul style="list-style-type: none"> • SUSE Linux Enterprise Server 10 Service Pack 2 (SLES10 SP2) • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p>Workaround: You must use the pciehp hot-plug driver with SLES10 SP2 on the Sun Blade X6270 Server Module. The acpiphp hot-plug driver should not be used with SLES10 SP2 on the Sun Blade X6270 Server Module.</p>
<p>6771120</p>	<p>Benign Error Messages Are Seen When Using RHEL 5.3</p> <p>Issue: When using RHEL 5.3, benign error messages might be seen in the boot logs. These benign messages are related to the PCI device probe of the Aspeed video device. Example of benign error messages: • PCI: Ignore bogus resource 6 [0:0] of 0000:20:05.0 Or • PCI: Ignore bogus resource 6 [0:0] of 0000:35:05.0</p> <p>Affected Operating Systems and Software:</p> <ul style="list-style-type: none"> • Red Hat Enterprise Linux (RHEL) 5.3 • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p>Workaround: These error messages are benign and have no effect on the system stability or performance.</p>

TABLE 8 Red Hat and SUSE Linux Known Issues (Continued)

CR	Description
6800672	<p data-bbox="416 237 958 265">ixgbe (1.3.53) Driver Is Not Supported on RHEL 5.3</p> <p data-bbox="416 284 476 305">Issue:</p> <p data-bbox="416 317 1219 397">The latest ixgbe (1.3.53) driver from Intel cannot compile on RHEL 5.3 for PCI Express Single (1106A-Z) or Dual (1180A-Z or 1107A-Z) 10-Gigabit Ethernet unless the setting for Large Receive Offload is disabled.</p> <p data-bbox="416 416 865 444">Affected Operating Systems and Software:</p> <ul data-bbox="416 449 1158 510" style="list-style-type: none"> • Red Hat Enterprise Linux (RHEL) 5.3 • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="416 529 554 550">Workaround:</p> <p data-bbox="416 562 883 583">Compile with the earlier ixgbe driver (1.3.47).</p>
6801897	<p data-bbox="416 607 1110 635">RHEL 4.7 ipmi_si Driver Does Not Load With Default Parameters</p> <p data-bbox="416 654 476 675">Issue:</p> <p data-bbox="416 687 1215 736">IPMI service fails to start. RHEL 4.7 ipmi_si driver does not load with default parameters.</p> <p data-bbox="416 755 865 782">Affected Operating Systems and Software:</p> <ul data-bbox="416 788 1158 848" style="list-style-type: none"> • Red Hat Enterprise Linux (RHEL) 4.7 • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="416 868 554 888">Workaround:</p> <ol data-bbox="416 900 1176 1157" style="list-style-type: none"> 1. Edit <code>/etc/modprobe.conf</code> 2. Add the following line to change default ipmi_si driver parameters: <pre data-bbox="439 968 1176 989">options ipmi_si type="kcs" ports=0xCA2 regspacings="4"</pre> 3. Save changes and exit. 4. Stop the service: <pre data-bbox="439 1069 1019 1090">/etc/init.d/ipmi stop service ipmi stop</pre> 5. Start the service: <pre data-bbox="439 1135 1033 1156">/etc/init.d/ipmi start service ipmi start</pre>

TABLE 8 Red Hat and SUSE Linux Known Issues (Continued)

CR	Description
6803871	<p data-bbox="496 234 1276 262">RHEL 5.3 Might Experience an Interrupt Storm Under Certain Conditions</p> <p data-bbox="496 279 558 307">Issue:</p> <p data-bbox="496 314 1315 395">If the following HBA devices are simultaneously configured with the server, the Sun Blade X6270 Server Module running RHEL 5.3 can experience an interrupt storm when the kernel installs the Emulex driver.</p> <ul data-bbox="496 402 1315 517" style="list-style-type: none"> <li data-bbox="496 402 1315 456">• StorageTek PCI-E 4 Gb FC Host Bus Adapter PCI-Express EM (SG-PCIE2FC-QB4-Z) <li data-bbox="496 463 1315 517">• StorageTek PCI-E 4 Gb FC Host Bus Adapter with Emulex HBA SG-PCIE2FC-EB4-Z (SG-PCIE2FC-EB4-Z) <p data-bbox="496 524 1253 552">If this configuration exists, you could experience the following anomalies:</p> <ul data-bbox="496 558 1219 621" style="list-style-type: none"> <li data-bbox="496 558 1219 586">• USB device is disabled after 100K interrupts occur within 2 seconds. <li data-bbox="496 593 1143 621">• LUNs on the QLogic device will not register all of the LUNs. <p data-bbox="496 638 943 666">Affected Operating Systems and Software:</p> <ul data-bbox="496 673 1236 736" style="list-style-type: none"> <li data-bbox="496 673 901 701">• Red Hat Enterprise Linux (RHEL) 5.3 <li data-bbox="496 708 1236 736">• Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="496 753 634 781">Workaround:</p> <p data-bbox="496 788 1300 841">No patch is expected. Do not use SG-PCIE2FC-QB4-Z and SG-PCIE2FC-EB4-Z together with the Sun Blade X6270 Server Module when running RHEL 5.3.</p>

Windows Known Issues

TABLE 9 Windows Known Issues

CR	Description
6879304	<p data-bbox="416 343 1190 395">Windows Server 2008 R2 Generates System Event Log Warning Messages When Power Is Being Limited by ILOM Power Management</p> <p data-bbox="416 418 476 439">Issue:</p> <p data-bbox="416 449 1222 638">When power is being limited by the ILOM Power Management feature, the Windows Server 2008 R2 operating system will generate warning messages in the System Event Log informing the user that the processor(s) are being restricted. Example Event: The Speed of Processor xx in group x is being limited by system firmware. The processor has been in this reduced performance state for xxxx seconds since last report.</p> <p data-bbox="416 661 986 687">Affected Hardware, Operating Systems, and Software:</p> <ul data-bbox="416 696 951 786" style="list-style-type: none"> • All Sun servers with Power Management support • Windows Server 2008 R2 • Supplemental Release 2.1, 2.3, 2.4 <p data-bbox="416 808 554 829">Workaround:</p> <p data-bbox="416 838 1208 864">None needed. These are expected events and are not indicative of a problem.</p>
6746934	<p data-bbox="416 885 1225 937">After Hot-Plug Operation, Some PCI Express Modules Might Display a Stop-Error Message or Might Not Appear in Device List</p> <p data-bbox="416 960 476 980">Issue:</p> <p data-bbox="416 991 1200 1072">A "0x00000124" Stop error message occurs when you use the hot-plugging feature to add or to remove a PCI Express device on a Windows Server 2008 based computer or on a Windows Vista-based computer.</p> <p data-bbox="416 1081 1196 1133">Note - Note - Note - This issue can also be encountered during the software installation process.</p> <p data-bbox="416 1142 1208 1223">Additionally, some PCI Express Modules might not return to service properly after a hot-plug operation. The module might not appear in the device list or might appear with a yellow exclamation point next to the device description.</p> <p data-bbox="416 1246 865 1267">Affected Operating Systems and Software:</p> <ul data-bbox="416 1275 1158 1333" style="list-style-type: none"> • Windows Server 2008 and Windows Vista • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="416 1355 554 1376">Workaround:</p> <p data-bbox="416 1385 1215 1466">Microsoft has an updated PCI bus driver for PCI Express that addresses a potential bug where the Max Payload Size might be configured incorrectly on the PCI Express root port if the root port is disabled and then re-enabled.</p> <p data-bbox="416 1475 1232 1527">See the following knowledge base article, which includes a link to a hot-fix that can be downloaded when this problem is encountered:</p> <p data-bbox="436 1536 951 1558">http://support.microsoft.com/kb/952681</p>

TABLE 9 Windows Known Issues (*Continued*)

CR	Description
6756232	<p data-bbox="496 239 1239 265">CompactFlash Card Might Not Be Detected by Windows Setup Utility</p> <p data-bbox="496 286 558 309">Issue:</p> <p data-bbox="496 319 1315 453">The Windows Server 2003 Setup Utility copies the system boot files to the first disk found in the boot order. Windows detects the CompactFlash (CF) device as an ATA class device but, it is attached using the USB bus. The drives attached using USB are not supported by Microsoft for Windows Server as system boot devices.</p> <p data-bbox="496 473 946 499">Affected Operating Systems and Software:</p> <ul data-bbox="496 508 1236 631" style="list-style-type: none"> • Windows Server 2008 • Windows Server 2008-R2 • Windows Server 2003 • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="496 652 625 678">Workaround</p> <p data-bbox="496 687 1315 765">The CF card must be lower in the Boot Device Priority List than the target disk. For more information, see the BIOS section in the <i>Sun Blade X6270 Server Module Service Manual</i> (820-6175).</p>
6783026 6759267 6783538 6806081	<p data-bbox="496 786 1272 840">Hot-Insertion or Removal of InfiniBand ExpressModule Is Only Allowed During Scheduled Downtime</p> <p data-bbox="496 861 558 883">Issue:</p> <p data-bbox="496 894 1308 972">Attempting a hot-plug operation on an Sun Dual Port DDR IB Host Channel Adapter PCIe ExpressModule (X4216A-Z) will result in Uncorrectable Error on PCI Express bus.</p> <p data-bbox="496 992 946 1019">Affected Operating Systems and Software:</p> <ul data-bbox="496 1027 1236 1081" style="list-style-type: none"> • Windows Server 2008 • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="496 1102 634 1128">Workaround:</p> <p data-bbox="496 1137 1315 1215">Do not attempt hot-insertion or removal of this device when running Windows Server 2008. If necessary, the InfiniBand ExpressModule should only be removed or added during scheduled downtime.</p>

TABLE 9 Windows Known Issues (Continued)

CR	Description
6783538	<p data-bbox="416 234 1238 296">Blue Error Screen Might Appear When InfiniBand PCIe ExpressModule Is Disabled in Windows Device Manager</p> <p data-bbox="416 303 1238 461">Issue: If the option for the Sun Dual Port 4x QDR IB Host Channel Adapter PCIe ExpressModule (X4219A-Z) is disabled in Windows Device Manager, Windows Server 2008 stops and displays a Blue Screen with the following bug check 0x122 - General WHEA Error.</p> <p data-bbox="416 468 1238 569">Affected Operating Systems and Software:</p> <ul data-bbox="416 503 1238 569" style="list-style-type: none"> • Windows Server 2008 • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="416 576 1238 788">Workaround:</p> <ul data-bbox="416 611 1238 788" style="list-style-type: none"> • Do not disable the option for the Sun Dual Port 4x QDR IB Host Channel Adapter PCIe ExpressModule in Windows Device Manager. If the module is disabled causing a Blue Screen to display, reboot the host system to recover. The Sun Dual Port 4x QDR IB Host Channel Adapter PCIe ExpressModule will be enabled upon reboot. • Check for the availability of a patch for this defect.
6793369	<p data-bbox="416 802 1238 835">Hot-Insert Is Not Supported by Windows 2008 for Some ExpressModules</p> <p data-bbox="416 841 1238 1072">Issue: With Windows 2008 the following ExpressModules cannot be hot-inserted:</p> <ul data-bbox="416 911 1238 1072" style="list-style-type: none"> • Sun Fibre Channel - 4 Gigabit/Sec PCI-E Dual FC / Dual Gigabit Ethernet Host Adapter ExpressModule (EM) (SG-XPCIE2FCGBE-Q-Z) • Fibre Channel - 4 Gigabit/Sec PCI-X Dual FC Host Adapter (Emulex) (SG-XPCIE2FCGBE-E-Z) • Sun Quad Gigabit Ethernet Module (X7284A-Z) <p data-bbox="416 1079 1238 1180">Affected Operating Systems and Software:</p> <ul data-bbox="416 1114 1238 1180" style="list-style-type: none"> • Windows Server 2008 • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="416 1187 1238 1249">Workaround: Insert the affected modules and reboot in order for them to be recognized.</p>

TABLE 9 Windows Known Issues (*Continued*)

CR	Description
6863766	<p data-bbox="496 239 1318 352">Install Will Fail When Using a Diskette Made From the Tools and Drivers DVD or the Floppy Image (QLogic64.img) on the Tools and Drivers DVD to Install Windows Server 2003 64-bit to a Fiber Channel Array Over a QLogic Fiber Channel HBA</p> <p data-bbox="496 369 558 392">Issue:</p> <p data-bbox="496 401 1315 595">If you use a diskette made from the Tools and Drivers DVD or the QLogic64.img floppy image available on the Tools and Drivers DVD to install Windows Server 2003 64-bit to a Fiber Channel Array over a QLogic Fiber Channel HBA, the installation will fail with a Blue Screen late in the setup process. The installation fails because the 64-bit QLogic Boot from SAN driver set available on the Tools and Drivers DVD has mismatched files. This results in a Bug Check 0x07B near the end of the installation process.</p> <p data-bbox="496 612 946 638">Affected Operating Systems and Software:</p> <ul data-bbox="496 647 1232 708" style="list-style-type: none"> • Windows Server 2003 64-bit • Supplemental Software Releases 1.0, 1.1, 1.2, 1.4, 2.0, 2.0.1, 2.1 2.3, 2.4 <p data-bbox="496 725 632 751">Workaround:</p> <p data-bbox="496 760 1315 868">The corrected QLogic driver set, Boot from SAN for STOR Miniport 64-bit Driver (x64), for installing Windows 2003 64-bit to a QLogic connected fiber channel array (the drivers used when pressing F6 during install) is available for download at this web site:</p> <p data-bbox="496 876 1318 928">http://driverdownloads.qlogic.com/QLogicDriverDownloads_UI/Sun_Details.aspx?productid=928&OSTYPE=Window&oemid=124</p> <p data-bbox="496 968 1265 1024">Check for the availability of a fix in updates to the Tools and Drivers DVD software.</p>

Sun Installation Assistant Known Issues

TABLE 10 Sun Installation Assistant (SIA) Known Issues

CR	Description
6864864	<p>SIA Will Cause Kudzu to Be Run for RHv4.7 x64 Installations With Emulex Cards</p> <p>Issue: When an installed system is booting for the first time SIA unintentionally causes Kudzu, a Red Hat hardware configuration utility, to be run for RHv4.7 x64 installations with Emulex cards.</p> <p>Affected Operating Systems and Software:</p> <ul style="list-style-type: none"> • Red Hat Enterprise Linux (RHEL) 4.7 64-bit <p>Workaround: Configure the Emulex cards through the Kudzu interface.</p>
6862030	<p>SIA Causes Default Keyboard Selection in SLES11 To Be UK-Style English</p> <p>Issue: SIA will cause the keyboard selection for SLES11 installation to default to UK-style English.</p> <p>Affected Operating Systems and Software:</p> <ul style="list-style-type: none"> • SUSE Linux Enterprise Server SLES (SLES) 11 • Supplemental Software Release 2.1 <p>Workaround: The first screen that is displayed during the SLES 11 installation has a drop-down box for selecting the correct keyboard. Select the US-style keyboard.</p>
6861956	<p>SIA Is Unable to Install SLES Via Network File System (NFS)</p> <p>Issue: Problem installing SLES 10 SP2 or SLES 11 via a NFS-exported ISO image.</p> <p>Affected Operating Systems and Software:</p> <ul style="list-style-type: none"> • SUSE Linux Enterprise Server SLES (SLES) 10 Service Pack 2 and SLES 11 <p>Workaround: Use direct attach ISO image, redirected ISO image, or expanded image via NFS, ftp, or http.</p>

TABLE 10 Sun Installation Assistant (SIA) Known Issues (*Continued*)

CR	Description
6851222	<p>SIA Does Not Include Drivers for the Sun Blade 6000 Virtualized Multi-Fabric 10GbE Network Express Module</p> <p>Issue: When SIA is used to install an operating system to the Sun Blade X6270 Server Module in a chassis which contains a Sun Blade 6000 Virtualized Multi-Fabric 10GbE Network Express Module, drivers for this device are not installed.</p> <p>Note - Note - Note - If you are installing Windows Server 2003, the "Found New Hardware Wizard" might run at the first login.</p> <p>Affected Operating Systems and Software:</p> <ul style="list-style-type: none"> • Windows Server 2003 and 2008 • Red Hat Enterprise Linux (RHEL) 4.7, 5.1, 5.2, 5.3 • SUSE Linux Enterprise Server SLES (SLES) 10 SP2 • Supplemental Software Releases 1.0, 1.1, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p>Workaround: Manually install the driver, which can be found by downloading the Sun Blade 6000 Virtualized Multi-Fabric 10GbE Network Express Module Tools and Drivers CD from http://www.sun.com/servers/blades/downloads.jsp</p>
6798618 6800204 6806734 6813789	<p>Blue Error Screen Might Appear When Option for Automatic SIA Updates Is Not Selected</p> <p>Issue: If you are using SIA to install Windows Server 2008 to the Sun Blade X6270 Server Module and you opted out of the automatic SIA update, then your installation might fail and a Blue Screen might appear with a bug check.</p> <p>Affected Operating Systems and Software:</p> <ul style="list-style-type: none"> • Windows Server 2008 • Supplemental Software Releases 1.0, 1.1, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p>Workaround: Perform one of the following workarounds for this issue:</p> <ul style="list-style-type: none"> • Restart the SIA installation and accept the option for automatic SIA updates. <p>Or</p> <ul style="list-style-type: none"> • Disable ACHI mode in the BIOS Setup Utility and restart installation. Follow these steps: <ol style="list-style-type: none"> 1. In the Advanced menu of the BIOS Setup Utility, select On-board SATA Configuration and press Enter. 2. Select the option for Configure SATA#1 and press Enter. A tab appears listing the available options. 3. In the tab, select the option for IDE and press Enter. 4. To save the changes and exit the BIOS Setup Utility, press F10. 5. Install Windows 2008 directly from the installation media.

TABLE 10 Sun Installation Assistant (SIA) Known Issues (*Continued*)

CR	Description
6805366	<p data-bbox="416 239 1071 265">SIA Might Not Install AHCI Device Driver for Windows 2003</p> <p data-bbox="416 286 478 309">Issue:</p> <p data-bbox="416 317 1229 427">If you are installing to an LSI device or Sun StorageTek Raid Host Bus Adapter, SIA might not automatically install the AHCI device driver for Windows 2003 installations. SIA will copy the AHCI device driver to disk (install target) but you might need to install the AHCI driver using Windows Device Manager.</p> <p data-bbox="416 444 865 470">Affected Operating Systems and Software:</p> <ul data-bbox="416 479 1115 539" style="list-style-type: none"> <li data-bbox="416 479 661 505">• Windows Server 2003 <li data-bbox="416 513 1115 539">• Supplemental Software Releases 1.0, 1.1, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="416 557 554 583">Workaround:</p> <p data-bbox="416 591 1076 618">Any of the following is an acceptable workaround for this issue:</p> <ul data-bbox="416 626 1229 864" style="list-style-type: none"> <li data-bbox="416 626 1210 736">• Use Windows Device Manager to install the AHCI device driver that was copied to disk (install target). For instructions for using Device Manager to update or install device drivers, refer to the Windows Device Manager documentation. <li data-bbox="416 744 1229 770">• Restart the SIA installation and accept the option for automatic SIA updates. <li data-bbox="416 779 1072 864">• Download the latest SIA CD from: <a data-bbox="436 808 1072 835" href="http://www.sun.com/servers/blades/downloads.jsp">http://www.sun.com/servers/blades/downloads.jsp and restart the installation.
6835303	<p data-bbox="416 887 1219 939">SIA Installation Does Not Work Correctly When Installing an ISO Image of the Red Hat Operating System Using NFS</p> <p data-bbox="416 960 478 982">Issue:</p> <p data-bbox="416 991 1215 1100">If you elect to install the Red Hat operating system from an ISO image that is exported using a network file system (NFS) server, profiles for the Red Hat installation will not be propagated to the installation. This will result in the following behavior:</p> <ul data-bbox="416 1109 1210 1225" style="list-style-type: none"> <li data-bbox="416 1109 1182 1170">• Anaconda will prompt the user for the installation type (desktop, client, server, or minimal). <li data-bbox="416 1178 1210 1225">• Individual packages will not be pre-selected based on the installation type, and the user will have to select these manually. <p data-bbox="416 1242 865 1269">Affected Operating Systems and Software:</p> <ul data-bbox="416 1277 1079 1338" style="list-style-type: none"> <li data-bbox="416 1277 915 1303">• Red Hat Enterprise Linux (RHEL) 4.x and 5.x <li data-bbox="416 1312 1079 1338">• Supplemental Software Releases 1.0, 1.4, 2.0, 2.0.1, 2.1, 2.3, 2.4 <p data-bbox="416 1355 554 1381">Workaround:</p> <p data-bbox="416 1390 1193 1444">When using SIA to install the Red Hat operating system, do not use an ISO image exported using NFS.</p>