

## Sun Fire X4150, X4250, and X4450 Server Product Feature Updates

ORACLE®

Part No: E38087-03  
October 2015



**Part No: E38087-03**

Copyright © 2012, 2015, 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 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.

**Référence: E38087-03**

Copyright © 2012, 2015, 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 stipulation expresse 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 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 au support électronique**

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.

# Contents

---

- Using This Documentation** ..... 7
  - Product Documentation Library ..... 7
  - Feedback ..... 7
  - Change History ..... 7
  
- Supported Firmware, Hardware and Software** ..... 9
  - ▼ IMPORTANT - Install Latest OS Updates, Patches, and Firmware ..... 9
  - Sun Fire X4150 System Firmware and Software ..... 10
  - Sun Fire X4150 Supported Operating Systems ..... 11
  - Sun Fire X4250 System Firmware and Software ..... 12
  - Sun Fire X4250 Supported Operating Systems ..... 12
  - Sun Fire X4450 System Firmware and Software ..... 12
  - Sun Fire X4450 Supported Operating Systems ..... 13
  - ▼ Get Software and Firmware Downloads ..... 13



## Using This Documentation

---

- **Overview** – This preface describes related documentation, submitting feedback, and a document change history.
- **Audience** – This guide is intended for trained technicians and authorized service personnel.
- **Required knowledge** – Advanced experience servicing server software.

This preface contains the following sections:

- “Product Documentation Library” on page 7
- “Feedback” on page 7
- “Change History” on page 7

## Product Documentation Library

Legacy product documentation is available at:

- Sun Fire X4150 Server: <http://docs.oracle.com/cd/E19121-01/sf.x4150/index.html>
- Sun Fire X4250 Server: <http://docs.oracle.com/cd/E19121-01/sf.x4250/index.html>
- Sun Fire X4450 Server: <http://download.oracle.com/docs/cd/E19150-01/index.html>

## Feedback

Oracle is interested in improving the product documentation and welcome your comments and suggestions. You can submit comments at <http://www.oracle.com/goto/docfeedback>.

## Change History

The following lists the release history of this document:

- October 2015, Added Sun Fire X4150, X4250, and X4450 server firmware update section.

- September 2015, Change title to Sun Fire X4150, X4250, and X4450 Server Product Feature Updates. Added Sun Fire X4150, X4250, and X4450 server firmware updates.
- November 2012, initial publication. Legacy product documentation is still available (archive mode only as of February 2010) at: <http://docs.oracle.com/cd/E19121-01/sf.x4150/index.html>



## Supported Firmware, Hardware and Software

---

The following topics contain information on software and firmware supported for Sun Fire X4150, X4250, and X4450 servers:

- “IMPORTANT - Install Latest OS Updates, Patches, and Firmware” on page 9
- “Sun Fire X4150 System Firmware and Software” on page 10
- “Sun Fire X4150 Supported Operating Systems” on page 11
- “Sun Fire X4250 System Firmware and Software” on page 12
- “Sun Fire X4250 Supported Operating Systems” on page 12
- “Sun Fire X4450 System Firmware and Software” on page 12
- “Sun Fire X4450 Supported Operating Systems” on page 13
- “Get Software and Firmware Downloads” on page 13

### ▼ **IMPORTANT - Install Latest OS Updates, Patches, and Firmware**

Some product features are enabled only when the latest versions of patches or firmware are installed. Customers are required to install the latest available versions for optimal performance, security, and stability.

**1. Review the Sun Fire X4150, X4250, and X4450 Servers Product Notes.**

Legacy product documentation is available at:

- Sun Fire X4150 Server: <http://docs.oracle.com/cd/E19121-01/sf.x4150/index.html>
- Sun Fire X4250 Server: <http://docs.oracle.com/cd/E19121-01/sf.x4250/index.html>
- Sun Fire X4450 Server: <http://download.oracle.com/docs/cd/E19150-01/index.html>

These documents describe important product dependencies and late-breaking information.

**2. Review the *Sun Fire X4150, X4250, and X4450 Server Product Feature Updates (this document)*.**

Refer to:

- Sun Fire X4150 Server: “Sun Fire X4150 System Firmware and Software” on page 10
- Sun Fire X4250 Server: “Sun Fire X4250 System Firmware and Software” on page 12

- Sun Fire X4450 Server: “[Sun Fire X4450 System Firmware and Software](#)” on page 12

These topics describe late-breaking information and issues for Oracle's Sun Fire X4150, X4250, and X4450 servers.

**3. Verify the Sun Fire X4150, X4250, and X4450 servers firmware version is at a minimum 3.5.1 or higher.**

To check system firmware, you can use the Oracle ILOM web interface or the command-line interface.

- **For the web interface, click System Information – Overview.**

- **For the CLI, at the command prompt >, type version.**

Make sure the server firmware version is at the minimum required version, shown above, or a subsequent release, if available.

**4. As required, download the latest available versions from My Oracle Support at:**

<https://support.oracle.com>

**5. As required, update the server firmware.**

You can use Oracle ILOM to update firmware within the system.

Refer to <http://www.oracle.com/goto/ILOM/docs>.

See “[Get Software and Firmware Downloads](#)” on page 13.

## Sun Fire X4150 System Firmware and Software

---

**Note** - Earlier versions of Sun Fire X4150 System Firmware and Software are documented in the *Sun Fire X4150 Server Product Notes* which is in archive mode and no longer being updated.

---

The Sun Fire X4150 service processor might be equipped with one of two versions of the service processor software:

- Older systems might be equipped with an Embedded Lights Out Manager (ELOM). The last update available for servers with ELOM is system software release 2.0.
- Newer systems or those that have been upgraded are equipped with the Oracle Integrated Lights Out Manager (ILOM). Either Oracle ILOM 2.0 or ILOM 3.0 are supported.

The following table lists the latest firmware available for the Sun Fire X4150 server. Software is available from the Oracle web site (see “[Get Software and Firmware Downloads](#)” on page 13).

**TABLE 1** Sun Fire X4150 System Software Releases (see version Readme on support site for full details)

System Software Release	Components Contained in Release
SW 3.5.1	<ul style="list-style-type: none"> <li>■ ILOM: 3.0.6.15.f build r101655</li> <li>■ Security Fixes</li> <li>■ BIOS: 1ADQW068</li> </ul>
SW 3.5	ILOM: 3.0.6.15.d build r67788
SW 3.4	<ul style="list-style-type: none"> <li>■ ILOM: 3.0.6.15.c build r62872</li> <li>■ BIOS: 1ADQW068</li> </ul>
SW 3.3	<ul style="list-style-type: none"> <li>■ ILOM: 3.0.6.15.b build r56497</li> <li>■ RAID adapter firmware: 16795</li> <li>■ Driver updates: <ul style="list-style-type: none"> <li>■ NIC adapter driver to 15.3 to fix 6891868 Intel Teaming Driver panic on Windows 2008</li> <li>■ RAID adapter driver to 16795 for Windows and 1.1.5-25200 for Linux</li> <li>■ RAID adapter software to 17557</li> </ul> </li> <li>■ Tools and utilities: IPMItool 1.8.10.3</li> </ul>

## Sun Fire X4150 Supported Operating Systems

The following operating systems are supported on the Sun Fire X4150 server:

- Oracle Solaris 10 OS 10/09 (64-bit only).
- Oracle VM 2.2.1 (64-bit only).
- Oracle Linux 4.8 (32-bit and 64-bit).
- Oracle Linux 5.4 (32-bit and 64-bit).
- Red Hat Enterprise Linux 4.8 (32-bit and 64-bit).
- Red Hat Enterprise Linux 5.4 (32-bit and 64-bit).
- SUSE Linux Enterprise Server 9 SP4 (64-bit only).
- SUSE Linux Enterprise Server 10 SP3 (64-bit and Xen).
- Microsoft Windows Server 2003 Enterprise edition R2 SP2 (32-bit and 64-bit).
- Microsoft Windows Server 2008 SP2 (32-bit only), R2 (64-bit only).
- VMware ESX 3.5 U5.
- VMware ESX 4.0, ESX 4.0 U1.
- VMware ESXi 3.5 U5.
- VMware ESXi 4.0, ESXi 4.0 U1.
- VMware ESXi 5.0, ESXi 5.0 U1 (64-bit only).

Sun Fire X4150 Server legacy product documentation is available at:

<http://docs.oracle.com/cd/E19121-01/sf.x4150/index.html>

## Sun Fire X4250 System Firmware and Software

---

**Note** - Earlier versions of Sun Fire X4250 System Firmware and Software are documented in the *Sun Fire X4250 Server Product Notes* which is in archive mode and no longer being updated.

---

The Sun Fire X4250 service processor might be equipped with one of two versions of the service processor software:

- Older systems might be equipped with an Embedded Lights Out Manager (ELOM). The last update available for servers with ELOM is system software release 2.0.
- Newer systems or those that have been upgraded are equipped with the Oracle Integrated Lights Out Manager (ILOM). Either Oracle ILOM 2.0 or ILOM 3.0 are supported.

The following table lists the latest firmware available for the Sun Fire X4250 server. Software is available from the Oracle web site (see [“Get Software and Firmware Downloads” on page 13](#)).

**TABLE 2** Sun Fire X4250 System Software Releases (see version Readme on support site for full details)

System Software Release	Components Contained in Release
SW 3.5.1	<ul style="list-style-type: none"><li>■ ILOM: 3.0.6.15.f build r101655</li><li>■ Security Fixes</li><li>■ BIOS: 1ADQW068</li></ul>

## Sun Fire X4250 Supported Operating Systems

Refer to the server product notes for a list of supported operating systems for the Sun Fire X4250 server.

Sun Fire X4250 Server legacy product documentation is available at:

<http://docs.oracle.com/cd/E19121-01/sf.x4250/index.html>

## Sun Fire X4450 System Firmware and Software

---

**Note** - Earlier versions of Sun Fire X4450 System Firmware and Software are documented in the *Sun Fire X4450 Server Product Notes* which is in archive mode and no longer being updated.

---

The Sun Fire X4450 service processor might be equipped with one of two versions of the service processor software:

- Older systems might be equipped with an Embedded Lights Out Manager (ELOM). The last update available for servers with ELOM is system software release 2.0.
- Newer systems or those that have been upgraded are equipped with the Oracle Integrated Lights Out Manager (ILOM). Either Oracle ILOM 2.0 or ILOM 3.0 are supported.

The following table lists the latest firmware available for the Sun Fire X4450 server. Software is available from the Oracle web site (see [“Get Software and Firmware Downloads” on page 13](#)).

**TABLE 3** Sun Fire X4450 System Software Releases (see version Readme on support site for full details)

System Software Release	Components Contained in Release
SW 3.5.1	<ul style="list-style-type: none"> <li>■ ILOM: 3.0.6.15.f build r101655</li> <li>■ Security Fixes</li> <li>■ BIOS: 3B69</li> </ul>

## Sun Fire X4450 Supported Operating Systems

Refer to the server product notes for a list of supported operating systems for the Sun Fire X4450 server.

Sun Fire X4450 Server legacy product documentation is available at:

<http://download.oracle.com/docs/cd/E19150-01/index.html>

### ▼ Get Software and Firmware Downloads

1. Go to <https://support.oracle.com>.
2. Sign in to My Oracle Support.
3. At the top of the page, click the **Patches and Updates** tab.
4. In the **Patch Search** box, click **Product or Family (Advanced Search)**.
5. In the "Product is" field, type a full or partial product name (for example, Sun Fire X4150) until a list of matches is displayed, and then select the product of interest.

6. In the "Release is" pull-down list, click the Down arrow.
7. In the window that appears, click the triangle (>) by the product folder icon to show the choices and then select the release of interest and click Close.
8. In the Patches Search box, click Search.  
A list of product downloads (listed as patches) appears.
9. After the search completes, select the Patch Name of interest.
10. In the task pane that appears, click Download.

---

**Note** - For more information about servers and downloads, go to the support site:

<https://support.oracle.com>.

You can find links to:

- Product information and specifications (search the Knowledge base for 'System Handbook')
  - Software and firmware downloads (look under 'Patches and Updates')
-