Oracle® Communications
Oracle Firmware Upgrade Pack

Release Notes

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ORACLE®

Oracle Communications Oracle Firmware Upgrade Pack, Release Notice, Release 3.1.8

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My Oracle Support (MOS) (https://support.oracle.com) is your initial point of contact for all product support and training needs. A representative at Customer Access Support (CAS) can assist you with MOS registration.

Call the CAS main number at 1-800-223-1711 (toll-free in the US), or call the Oracle Support hotline for your local country from the list at http://www.oracle.com/us/support/contact/index.html.

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1.0 Introduction

1.1 Purpose and Scope

This document describes the contents of the specified Oracle Firmware Upgrade Pack release. This Firmware Upgrade Pack consists of these *Release Notes* and an associated *Upgrade Guide*. For details on how to apply the firmware please refer to the *Upgrade Guide.* Firmware for Oracle rack mount servers supported by this document can be obtained from My Oracle Support (MOS). In order to obtain firmware for third party switches obtained though Oracle, contact Oracle Support.

1.2 References

[1] *Oracle Communications© Oracle Firmware Upgrade Pack 3.1.8, Upgrade Procedure, E87832*

1.3 Acronyms

BIOS	Basic Input Output System
GUI	Graphical User Interface
ILOM	Integrated Lights Out Manager
RMS	Rack Mount Server
ISO	ISO 9660 file system optical disk image
OSA	Oracle System Assistant
USB	Universal Serial Bus
VPN	Virtual Private Network
PCIe	Peripheral Component Interconnect Express
SAS	Serial Attached SCSI
SCSI	Small Computer System Interface
MOS	My Oracle Support

1.4 Terminology

Firmware	Program code and data stored directly into an area of persistent memory for the purpose of controlling the operation of a server or one of its devices
Oracle System Assistant	A management application stored on the embedded USB drive of server. This is the application used to store firmware versions and upgrade the server.
Oracle System Assistant Updater	An ISO image used to update or recover the OSA associated with a particular server.
Integrated Lights Out Manager	The service processor and associated firmware used to provide management services for the server.

2.0 Content

This section indicates the currently supported software release (firmware patch) for each of the supported Oracle rack mount servers. Approved switch firmware versions are also provided. The release numbering is independent for each server, and thus, may vary from server to server. The server firmware is to be downloaded from My Oracle Support. Instructions on how to do so can be found in section *3.0 Obtaining Software Release*. In order to obtain Cisco switch firmware, contact Oracle Support. Firmware for the HP 5900 switch can be obtained by opening a support case with HP.

The tables in section 2.3.1 and 2.3.3 contain patch numbers for the files that need to be downloaded from MOS. The Oracle System Assistant Updater (section 2.3.1) is to be used with the Oracle System Assistant Upgrade in the *Upgrade Guide*. The Firmware Pack (section 2.3.3) is to be used with ILOM/BIOS Only upgrade. The Live Update Media (section 2.3.4) is to be used for X6-2 and X7-2 servers that require having components in addition to the ILOM/BIOS upgraded. Use the *Upgrade Guide* to determine which should be used on a given server.

2.1 Firmware Components

2.3.1 Oracle System Assistant Updater for Oracle RMS

Note: The Oracle System Assistant is no longer supported in X6-2 and X7-2 servers. In order to perform a full upgrade on an X6-2 server use the live update media referred to in table. For X6-2 refer to Table 2.3.4 when using the Live Update Media procedure.

Server	Software Release Number	OSA Updater Patch Number
Oracle Server X5-2	1.6.0	23721020
Netra Server X5-2	1.0.1	22365722

2.3.2 Checksums for Oracle System Assistant Updater ISO Files

These ISO files are to be extracted from the downloaded OSA Updater zip file.

OSA Updater ISO Image	MD5 Checksum
Oracle_Server_X5-2-1.4.0.84843-ORACLE_SYSTEM_ASSISTANT_UPDATER.iso	d1e36abd921002cac8062db886f117f4
Netra_Server_X5-2-1.0.0.84145-ORACLE_SYSTEM_ASSISTANT_UPDATER.iso	715f882001caf5e46dace9c71b9af8a8

2.3.3 Oracle RMS Firmware Packs

Server	Software Release Number	Firmware Pack Patch Number
Oracle Server X5-2	1.6.0	23720991
Netra Server X5-2	1.0.1	22365709
Oracle Server X6-2	1.1.1	24317060
Oracle Server X7-2	1.0.0	26796374

2.3.4 Live Update Media

The ISO below is to be obtained from the Oracle Software Delivery Cloud.

Server	Media Name
Oracle Server X6-2 and X7-2	FW3-3.1.8.0.0_20.2.1.iso

2.3.5 Switch Firmware

Firmware Component	Firmware Version	Firmware File Name
Cisco 4948E-F Switch IOS	12.2(54)WO	cat4500e-entservicesk9-mz.122-54.WO.bin
Cisco 9372TX-E Switch NXOS	7.0.3.I4.5	nxos.7.0.3.I4.5.bin

2.3.6 Server Firmware Components

Oracle Server X5-2

These components have not changed from the Oracle FUP 3.1.7 release.

Firmware Component	Currently Approved Release
iLOM	3.2.4.80-r110636
BIOS	30.08.03.00
12Gb SAS PCIe HBA (LSI MegaRAID 9361-8i)	4.230.40-3739
H101212SESUN1.2T (1.2T SAS HD)	A720
HSCAC2DA4SUN400G (400G SSD HD)	A29A
H101812SFSUN1.2T (1.2T SAS HD)	A990
On-Board Twinville 10-Gigabit Ethernet Adapter (Net0-Net1)	0x800005dd
On-Board Twinville 10-Gigabit Ethernet Adapter (Net2-Net3)	0x800005de
Twinville 10Gb Ethernet Adapter PCIe Add-in Card	0x80000487
Niantic 10-Gb Ethernet SFP+ Adapter	0x61ab0001

Netra Server X5-2

These components have not changed from the Oracle FUP 3.1.7 release.

Firmware Component	Currently Approved Release
iLOM	3.2.4.32-r98643
BIOS	32.00.01.01
12Gb SAS PCIe HBA (LSI MegaRAID 9361-8i)	4.230.40-3739
H101812SFSUN1.2T (1.2 T SAS HD)	A770
HSCAC2DA4SUN400G (400G SSD HD)	A122
On-board Fortville 10 Gb Ethernet Adapter	e80001c3f
Twinville 10Gb Ethernet Adapter PCIe Add-in Card	0x80000487
Niantic 10-Gb Ethernet SFP+ Adapter	0x61ab0001

Oracle Server X6-2

These components have not changed from the Oracle FUP 3.1.7 release.

Firmware Component	Currently Approved Release
iLOM	3.2.6.46-r110665
BIOS	38.04.01.00
12Gb SAS PCIe HBA (LSI MegaRAID 9361-8i)	4.230.40-3739
H101812SFSUN1.2T (1.2 T SAS HD)	A990
H101860SFSUN600G(600G SAS HD)	A990
HSCAC2DA4SUN400G (400G SSD HD)	A122
On-Board Twinville 10-Gigabit Ethernet Adapter (Net0-Net1)	0x800005dd

On-Board Twinville 10-Gigabit Ethernet Adapter (Net2-Net3)	0x800005de
Twinville 10Gb Ethernet Adapter PCIe Add-in Card	0x80000487
Niantic 10-Gb Ethernet SFP+ Adapter	0x61ab0001

Oracle Server X7-2

The firmware below is the initial release of X7-2 firmware. This means all X7-2 servers will have these versions or newer already installed from the factory.

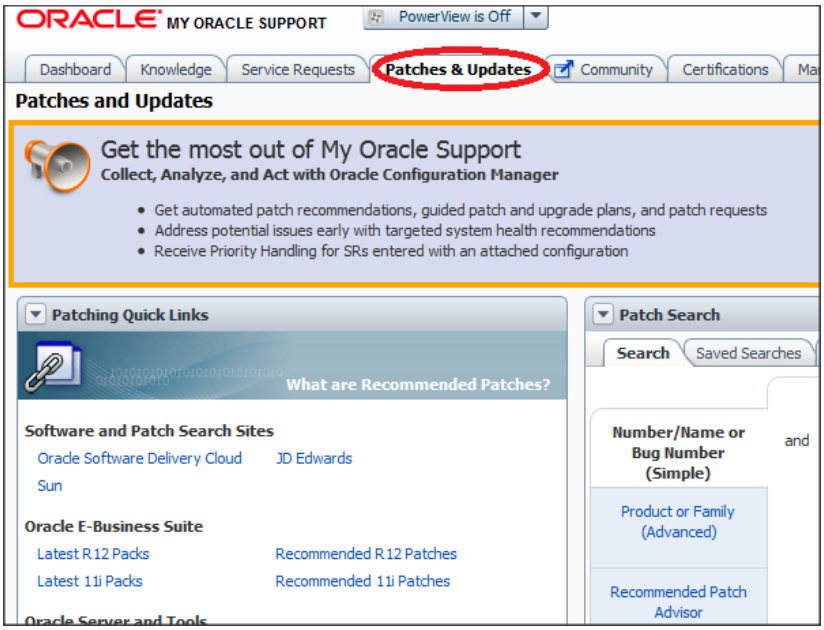
Note: For this initial release of X7-2 firmware the BIOS and iLOM are the only components with an upgrade procedure because all other components either do not have any newer versions released to test the upgrade process with or cannot currently be upgraded.

Firmware Component	**Currently Approved Release**
iLOM	4.0.0.22-r120818
BIOS	41017100
12Gb SAS PCIe HBA (LSI MegaRAID 9361-16i)	4.720.00-8253
H101812SFSUN1.2T (1.2 T SAS HDD)	A990
H101860SFSUN600G (600G SAS HDD)	A990
BearCove 800G SSD	A087
Oracle-BASE-T-25Gb-lom Embedded NIC	20.06.04.05 (bc 20.6.140)
Fortville Oracle Quad 10 Gb and 40 Gb PCIe Add-in NIC	0x80003073
Fortpond Oracle Quad Port 10GBase-T PCIe Add-in NIC	0x80003072

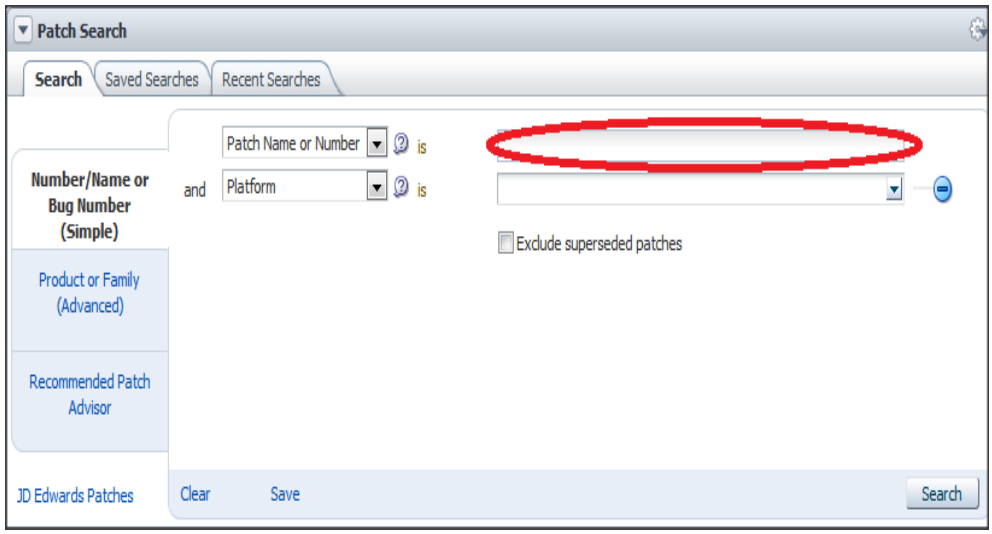
3.0 Obtaining Software Release

3.1 Downloading Oracle Software Release Patches

1. Open a Web Browser and navigate to the URL https://support.oracle.com
2. Sign in to the Support Site
3. Select the **Patches & Updates** tab near the top of the window



4. Enter the appropriate patch number in the text box next to the **Patch Name or Number** box and then click the **Search** button.



5. Click on the resulting entry and then click the **Download** button.

4.0 Fixed and Known Issues

4.1 Fixed Issues

Bug	Component	Title	Description/Comments
22450793	OSA	X5-2: OSA 1.4.0.84843 fails to validate credentials for LAN over USB update	On Platform Software Release 1.4.0 the OSA will fail to take ILOM administrator credentials in order to initiate ILOM upgrade via the internal interconnect.

4.2 Known Issues

Bug	Component	Title	Description/Comments
21896375	OSA	Netra X5-2: Update Firmware Scan fails probing of On-board SAS controller	During OSA firmware scan on Netra X5-2 a message is observed stating to “probing has failed for some devices”. This warning can be safely ignored

5.0 Contacting Oracle Support

5.1 My Oracle Support (MOS)

MOS (*https://support.oracle.com*) is your initial point of contact for all product support and training needs. A representative at Customer Access Support (CAS) can assist you with MOS registration.

Call the CAS main number at **1-800-223-1711** (toll-free in the US), or call the Oracle Support hotline for your local country from the list at *http://www.oracle.com/us/support/contact/index.html*. When calling, make the selections in the sequence shown below on the Support telephone menu:

1. Select 2 for New Service Request
2. Select 3 for Hardware, Networking and Solaris Operating System Support
3. Select 2 for Non-technical issue

You will be connected to a live agent who can assist you with MOS registration and provide Support Identifiers. Simply mention you are a Tekelec Customer new to MOS. MOS is available 24 hours a day, 7 days a week, 365 days a year.

5.2 Emergency Response

In the event of a critical service situation, emergency response is offered by the Customer Access Support (CAS) main number at **1-800-223-1711** (toll-free in the US), or by calling the Oracle Support hotline for your local country from the list at *http://www.oracle.com/us/support/contact/index.html*. The emergency response provides immediate coverage, automatic escalation, and other features to ensure that the critical situation is resolved as rapidly as possible.

A critical situation is defined as a problem with the installed equipment that severely affects service, traffic, or maintenance capabilities, and requires immediate corrective action. Critical situations affect service and/or system operation resulting in one or several of these situations:

- A total system failure that results in loss of all transaction processing capability
- Significant reduction in system capacity or traffic handling capability
- Loss of the system's ability to perform automatic system reconfiguration
- Inability to restart a processor or the system
- Corruption of system databases that requires service affecting corrective actions
- Loss of access for maintenance or recovery operations
- Loss of the system ability to provide any required critical or major trouble notification

Any other problem severely affecting service, capacity/traffic, billing, and maintenance capabilities may be defined as critical by prior discussion and agreement with Oracle.

5.3 Locate Product Documentation on the Oracle Technology Network Site

Oracle customer documentation is available on the web at the Oracle Technology Network (OTN) site, *http://docs.oracle.com*. You do not have to register to access these documents. Viewing these files requires Adobe Acrobat Reader, which can be downloaded at *www.adobe.com*.

1. Navigate to the documentation for Oracle Communications Tekelec Platform at the following link:
   http://docs.oracle.com/en/industries/communications/tekelec-platform/index.html
2. Click on the Tekelec Platform Release
3. To download a file to your location, right-click the PDF link and select **Save Target As**.