

**Oracle® Communications  
Oracle Firmware Upgrade Pack**

**Release Notes**

Release 3.1.4

**E65467 Revision 01**

July 2015

**ORACLE®**

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**CAUTION: Use only the Upgrade procedure included in the Upgrade Kit.**  
**Before upgrading any system, please access Oracle's Tekelec Customer Support site and review any Technical Service Bulletins (TSBs) that relate to this upgrade.**

Contact My Oracle Support and inform them of your upgrade plans prior to beginning any upgrade procedure.

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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 patches please refer to the *Upgrade Guide*. The actual firmware is to be downloaded at the My Oracle Support site.

### 1.2 REFERENCES

[1] Oracle Communications© Oracle Firmware Upgrade Pack 3.1.4, *Upgrade Guide*, E65466

### 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. The release numbering is independent for each server, and thus, may vary from server to server. The shown content is to be downloaded from My Oracle Support. Instructions on how to do so can be found in section [3.0 Obtaining Software Release](#).

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. 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

Server	Software Release Number	OSA Updater Patch Number
Oracle Server X5-2	1.2.0	21102807

## 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_X5-2-1.2.0.84187-ORACLE_SYSTEM_ASSISTANT_UPDATER.iso	00bda5f1108a35496ebea26430048cfb

## 2.3.3 Oracle RMS Firmware Packs

Server	Software Release Number	Firmware Pack Patch Number
Oracle Server X5-2	1.2.0	21102789

## 2.3.2 Server Firmware Components

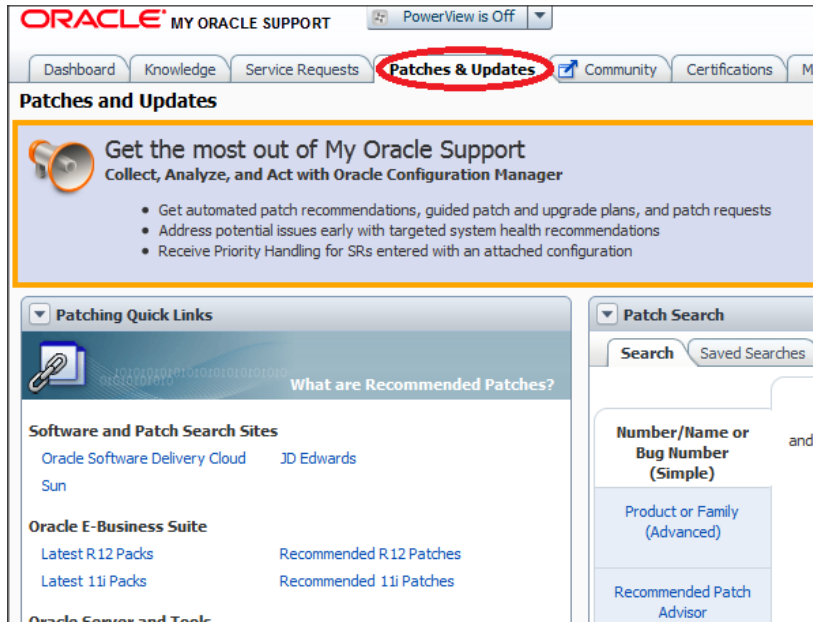
### *Oracle Server X5-2*

<b>Firmware Component</b>	<b>Currently Approved Release</b>
ILOM	3.2.4.42-r99377
BIOS	30.04.02.00
12Gb SAS PCIe HBA (LSI MegaRAID 9361-8i)	4.230.40-3739
H101212SESUN1.2T (1.2T SAS HD)	A6C0
HSCAC2DA4SUN400G (400G SSD HD)	A122

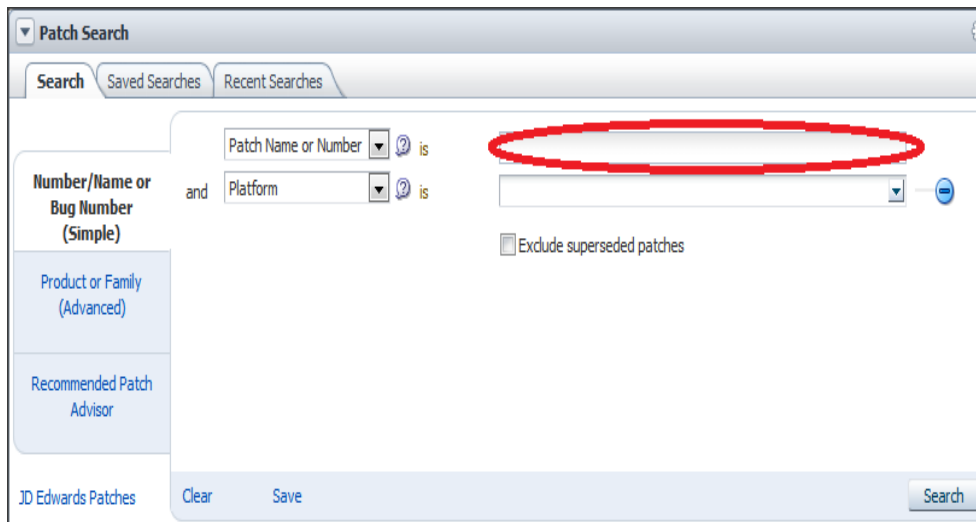
## 3.0 Obtaining Software Release

### 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- Contacting Oracle Support

### 4.1 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.

### 4.2 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.

## 4.3 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](http://www.adobe.com).

1. Log into the Oracle Technology Network site at <http://docs.oracle.com>.
2. Under **Applications**, click the link for **Communications**. The **Oracle Communications Documentation** window opens with Tekelec shown near the top.
3. Click **Oracle Communications Documentation for Tekelec Products**.
4. Navigate to your Product and then the Release Number, and click the **View** link (the **Download** link will retrieve the entire documentation set).
5. To download a file to your location, right-click the PDF link and select **Save Target As**.