

Oracle® Fabric OS 1.0.2 Release Notes

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Using This Documentation

- **Overview** – Provides late-breaking information for the Oracle Fabric OS 1.0.2 on an Oracle InfiniBand switch.
- **Audience** – Technicians, system administrators, and authorized service providers.
- **Required knowledge** – Advanced experience troubleshooting and replacing hardware.

Product Documentation Library

Documentation and resources for this product and related products are available at http://docs.oracle.com/cd/E64522_01.

Feedback

Provide feedback about this documentation at <http://www.oracle.com/goto/docfeedback>.

Late-Breaking Information

This document contains important and late-breaking information about Oracle Fabric OS 1.0.2.

- [“Minimum Supported Firmware Version” on page 9](#)
- [“Software and Hardware Requirements” on page 9](#)
- [“Known Issues” on page 10](#)
- [“OS Patches and Updates” on page 12](#)

Minimum Supported Firmware Version

Depending on when your leaf switch or virtualization switch was delivered, the system firmware version can be either Oracle Fabric OS 1.0.1 or 1.0.2. Firmware version 1.0.2 is required, so if the switch is not running that version, you must go to [My Oracle Support](#) and update Oracle Fabric OS to 1.0.2.

Software and Hardware Requirements

Before using Oracle Fabric OS 1.0.2, ensure that your hardware meets the hardware and software requirements.

Supported Hardware and Software	Minimum Version
Oracle InfiniBand switches	<ul style="list-style-type: none">■ Oracle Fabric Interconnect F2-12. For more information on this virtualization switch, refer to https://www.oracle.com/networking/fabric-interconnect-f2-12/index.html and <i>Oracle Fabric Interconnect F2-12 and Oracle F2 I/O Modules Product Notes</i>■ Oracle InfiniBand Switch IS2-46 Switch. For more information on the leaf switch, refer to https://www.oracle.com/networking/infiniband-switch-is2-46/index.html.
I/O modules	For more information about the I/O modules supported by the virtualization switch, refer to https://www.oracle.com/networking/fabric-interconnect-f2-12/index.html .
Oracle Fabric Manager software	Oracle Fabric Manager version 5.0.2. If you have version 5.0.1, you must upgrade to 5.0.2. Any version prior to 5.0.0 is not supported.

Supported Hardware and Software	Minimum Version
	For more information, refer to http://www.oracle.com/us/products/networking/virtual-networking/fabric-manager/overview/index.html .
Operating Systems	Oracle Linux, starting with version 6.7 with UEK4.

Note - These two Oracle dual port adapters do not have model numbers, but they have a 64-bit GUID which uniquely identifies the adapter in the server and on the IB fabric.

This table lists the IB HCA cards that are supported for an Oracle InfiniBand switch on a server.

Supported HCA Cards	Minimum Firmware Version
Oracle Dual Port QDR InfiniBand Adapter M4 and Oracle Dual Port EDR InfiniBand Adapter	Oracle Solaris systems – Oracle Solaris 11.3 SRU 9 Oracle Linux systems: <ul style="list-style-type: none"> ■ Oracle for Oracle Linux 6 Update 7 ■ Oracle Linux 7 Update 1

More information on the supported HCA cards is available at <https://www.oracle.com/networking/dual-port-edr-infiniband-adapter/index.html> and <https://www.oracle.com/networking/dual-port-qdr-infiniband-adapter-m4/index.html>.

Known Issues

These are the known issues for the Oracle Fabric OS 1.0.2:

- [“IB switch chip Reports incorrect link status \(23626815\)”](#) on page 10
- [“OFOS CLI Erroneously Contains san map Commands”](#) on page 11
- [“Some Commands Display lun-mask and san qos Fields”](#) on page 11
- [“Set the Fibre Channel Link Down Timeout on the Fibre Channel Port, Not the VHBA”](#) on page 11

IB switch chip Reports incorrect link status (23626815)

When attaching an Ethernet switch to the Ethernet overlay network ports of the leaf switch, the link status as viewed from the IB switch chip might contradict that as seen by the Ethernet switch. For example, the IB switch chip might report the link in a down state, while the Ethernet switch reports the link in an up state.

Workaround: Reset the suspect port on the IB switch chip.

At the Oracle Fabric OS command line, type:

```
[OFOS] set port port up gw -s 10g
```

where *port* is the suspect port number.

OFOS CLI Erroneously Contains san map Commands

This version of the OFOS CLI contains the following commands, which are not supported on the Oracle Dual Port 16 Gb Fibre Channel Module:

```
add san map name entry order wwpn
```

- show san map *name*
- set san map *name* entry *wildcarded-name* -descr=*string*
- set san map *name* entry *wildcarded-name* -wwpn=*target-wwpn*
- remove san map *name* entry *wildcarded-name*

Some Commands Display lun-mask and san qos Fields

In this version of OFOS, some show commands for Fibre Channel features contain the `lun-mask` and `san_qos` fields. LUN masking and SAN QoS features are not supported on the Oracle Dual Port 16 Gb Fibre Channel Module, so these fields are displayed erroneously.

Set the Fibre Channel Link Down Timeout on the Fibre Channel Port, Not the VHBA

This version of OFOS contains two commands that set the link-down timeout for > Fibre Channel connections:

- set fc-port=*slot/port* -fc-link-down-timeout=*timeout-in-seconds*
- set vhma *name* -fabric-link-down-timeout=*timeout-in-seconds*

When you set the link down timeout, use the first command instead of the second command.

OS Patches and Updates

Before you patch the current OS due to version differences, update the entire OS image (if possible) on the client system.

If you cannot update the entire OS image, download the latest patch that contains the software driver at <https://support.oracle.com>.