

# SANbox Manager

## Release Notes

### Version 1.03.28

50208-06 Rev A

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Version 1.03.28 is a feature release of the QLogic SANbox™ Manager Fabric Management Application. SANbox2™ version 1.3.25 and SANbox version 4.01.45 firmware, or greater, must be used in conjunction with SANbox Manager.

SANbox Manager does not support the legacy T\_Port mode and therefore does not interface with MKII switches or SANbox switches in T\_Port mode.

#### Features in this Release

Version 1.03.28 provides the following features:

- **User Preferences** – You can choose to configure the following options:
  - Working directory – set the location for files to be saved. The default is the user's home directory.
  - Browser location – location for the internet browser to be used to display on-line help.
  - Polling frequency – how often SANbox Manager polls the switch for updated information.
  - View file auto save and load – enable or disable having the default fabric view file automatically saved each time you exit SANbox Manager. The default is “enabled”.
  - Preferred initial port view – choose whether your default port view, in the faceplate display, displays each port's mode, state, speed or media. Any alternative view may be selected from the faceplate display. Also, all information is listed in the Port Info tab in the faceplate display regardless of the port view displayed.
- **Archive/restore chassis configuration to a file** - If a switch must be replaced, you can save the configuration information to a file, replace the switch and restore that configuration information to the new switch. These options are found in the Switch menu in the faceplate display.
- **Set beacon on switch** – If you need to easily locate a specific switch, set the beacon on that switch. This will cause the switch LEDs to blink. To set beacon, select “Toggle beacon” from the “Switch” menu.

- **Simple Broadcast Support** – This feature allows for a frame to be broadcasted to the entire fabric, including outside vendor switches, when those vendors support this functionality. Broadcast frames are not sent out to TL ports. To enable this feature, select “Switch Properties” from the “Switch” menu and then enable “Broadcast support”.
- **On-line diagnostics support** – The Port Loopback Test, available via the Port menu, now supports internal, external and online port tests.
  - The internal test is a loopback test and can only be performed on a port that is in a diagnostic state. The internal loopback tests all of the hardware on the port and may be useful in situations where it is inconvenient to install a loopback plug in a port.
  - The external test is a loopback test and can only be performed on a port that is in a diagnostic state and has a loopback plug installed. This tests all of the hardware on the port and provides the highest level of test coverage of the three types of port tests.
  - The online test can be performed on any port with an active login.
- **Remote logging via syslog** - Logs can now be spooled remotely as well as being written to local flash. To use this feature, select “Enable Remote Logging (syslog)” from Network Properties. Once selected, you need to enter an IP address of a UNIX machine that is running syslog in the “Logging (syslog) Host IP Address” box. Refer to the SANbox2 Firmware Release Notes for an example of how to set up logging on the UNIX machine.

## Platform requirements

<b>Host OS</b>	Windows NT, Windows 95/98, Windows 2000, Linux (RedHat 6.2), Solaris 2.8
<b>Memory</b>	128MB
<b>Disk Space</b>	150MB per installation
<b>Processor</b>	300MHz

## Patch Requirements

This version of SANbox Manager uses, and includes, Java 2 SDK, Standard Edition, v1.4.0. The SUN site below references patches that are required to be installed on your Solaris system in order to work with this version.

<http://java.sun.com/j2se/1.4/install-solaris-patches.html>

## Documentation

Installation, setup and management of the SANbox2 switch are described in the following manuals. These manuals are available on the SANbox2 distribution CD.

- SANbox2 Switch Management User's Manual, Publication No 59022-03 Rev. B
- SANbox2-16 Fibre Channel Switch Installer's/User's Manual, Publication No 59021-03 Rev. B

Installation, setup and management of the SANbox switch, running 4.01 firmware with E\_Port, are described in the following manuals. These manuals are available only through QLogic Technical Support.

- SANbox-8/16 with E\_Ports Switch Management Manual, Publication No. 59033-00 Rev. A
- SANbox-8 with E\_Ports Fibre Channel Switch Installer's/User's Manual, Publication No. 59030-00 Rev. A
- SANbox-16STD with E\_Ports Fibre Channel Switch Installer's/User's Manual, Publication No. 59031-00 Rev. A
- SANbox-16HA with E\_Ports Fibre Channel Switch Installer's/User's Manual, Publication No. 59032-00 Rev. A

### Issues Corrected in this Version

Problem ID	Symptom
3601	Drag and drop of zone members in the Zoning window is not consistent on a Solaris platform. If failure occurs, use the menu buttons instead.
3610	Warning messages are displayed when installing on a Solaris platform. The messages can be ignored. They include: Warning: Name: HorScrollba Class: XmScrollba The specified Scrollbar value is greater than the maximum Scrollbar value minus the Scrollbar slider size
3649	Highlighting multiple members for zoning using the control button does not work. All items are no longer highlighted when zone is selected.
3904	There have been a few circumstances where the GUI becomes unresponsive to mouse clicks. To recover from this, hold down the <ctrl> key while clicking on the left mouse button.
4057	Occasionally when you minimize the SANbox Manager application and then attempt to maximize it, it will not come up. On a windows platform, bring up the Task Manager, select SANbox Manager, select End Task and then restart the application. On a UNIX platform, kill the SANbox Manager process.

### Known Installation and Packaging Issues

Problem ID	Symptom
4321	The uninstall script is located in the UninstallerData subdirectory instead of the main installation directory.
4324	If installing on a UNIX platform as root, you cannot install in the home directory.
4392	After the installation is complete, the installer may tell the user to click "Done" to quit the installer when the user really must click "Next" and then "Done".
4466	On the 'Install Complete" screen, if the user selects the "Previous" button, all other buttons become inactive and the user is forced to make an un-graceful exit. Note that at this point, the GUI has already been installed.
4467	When exiting the Installer, an "Install Not Complete" message is received that states ["...To cancel Install select "Quit"" and "...If you exit, the SANbox Manager will not be installed."] The installation is not cancelled and the SANbox Manager remains installed even if the "Quit" button is selected.

## Known Functionality Issues

Problem ID	Symptom
4250	When scrolling through the Trap log, the refresh of the window places the scroll position at the bottom of the window. A work around would be to export the trap log and view with an editor.
4328	If you make a change, for example changing port state, that change may not be instantaneous and no wait message or other indication is given.
4338	SANbox Manager disappeared unexpectedly, leaving behind a core file in the install directory. This is caused by Sun Bug ID: 4641535 "JDK 1.4 Solaris: memory leak when remote displaying". The workaround is to define the environment variable J2DFONTSCALER=t2k before running the GUI: #export J2DFONTSCALER=t2k #SANbox_Manager
4340	After running for approximately 18 hours, SANbox Manager had an out of memory exception error. This is caused by Sun Bug ID: 4641535 "JDK 1.4 Solaris: memory leak when remote displaying". The workaround is to define the environment variable J2DFONTSCALER=t2k before running the GUI: #export J2DFONTSCALER=t2k #SANbox_Manager
4411	When launching SANbox Manager, you may receive an error regarding your font settings. For example, "Cannot convert string monotype arial regular ..." This is a configuration issue with X-windows and does not affect the functionality of the GUI. The font path of the machine whose X-server is displaying the application needs to have a directory which either has the specified font (Arial) or a font alias to re-map it to another font.  For example, you might add the /usr/openwin/lib/X11/TrueType directory to the font path on the machine that is displaying SANbox Manager (not the machine on which the application is executing). This can be done using the sdtfontadm utility, and must be done as root.
4417	The "Load Firmware" and "Edit Zoning" dialog boxes can become hidden behind the main window and give the appearance that the GUI is hung.
4533	Drag and drop from Zoning dialog to application window hangs the GUI. This is caused by Sun Bug ID: 4633417 and 4623377.
4562	The port loopback test times out occasionally on a multi-processor system.
4692	When changing DomainID to a value greater than 31, a warning message is presented telling you that the DomainID is invalid but the operation is allowed.
4763	On Windows based PCs, on occasion the GUI will abort when entering the faceplate display. Restarting the GUI will correct this problem. This bug is caused by Sun Bug ID: 4482430, 4500800 and 4523926.
4764	If an ISL goes down between a SANbox2 and McData switch, the ISL state is

	sometimes not reflected until you click on Refresh.
4765	If “set switch state” is used in CLish to set the switch offline, the GUI does not recognize this state. This is because “set switch state” in CLish is a temporary setting. The GUI reflects the permanent setting set by “set config switch”.
4774	With a mixed SANbox 1Gb and SANbox2 switch configuration, if you add a fabric to SANbox Manager by entering the IP address of a SANbox 1Gb switch, there are intermittent performance problems. This is noticed by occasional short delays in processing requests and/or the switches not responding (blue status icons) for a few seconds.
4791	When running offline/online tests on E_Ports, the GUI will occasionally show a port as offline when it is actually online and operational. A workaround is to do a fabric refresh. The correct port states will then show up.
4792	When changing the switch configuration in telnet back and forth between offline and online, the GUI got into the state where it believed the switch was in the offline state. A refresh will correct this problem.
	<p>When running from a remote login, the font size used for the text in the Help file is too small to read.</p> <p>This is just an X Window font config issue.</p> <p>Edit (or create) a .Xdefaults file in your home dir (/ for root) and put the following lines in it:</p> <p style="padding-left: 40px;">Netscape*documentFonts.xResolution*iso-8859-1: 100</p> <p style="padding-left: 40px;">Netscape*documentFonts.yResolution*iso-8859-1: 100</p> <p>While the above changes may provide a solution, in some cases it may not. In such cases, the user may also be able to resolve the small font size by modifying the font preferences in Netscape to be "Use my default fonts, overriding document specified fonts."</p>
4814	If a saved fabric is restored and has a switch with a Domain ID that conflicts with an active switch in the fabric then the fabric is not displayed correctly. ISLs are not mapped correctly in the fabric. Rediscover of the fabric will display them correctly.
4818	The GUI may lock up during fabric rediscovery after doing zone deletion, creation, and merging. The GUI will repaint the screen and return to normal operation, but this may take several minutes.
4825	After a reset of the entry switch of an 8 switch mesh, one of the other switches was left in the blue "no response" state though it could be accessed by Telnet. The refresh button did not clear the problem, although rediscovering the fabric did. This is a very intermittent problem.

## Support

Please feel free to contact your QLogic approved reseller or QLogic Technical Support at any phase of integration for assistance. QLogic Technical Support can be reached by the following methods:

Web: [http://www.qlogic.com/support/report\\_problem.asp](http://www.qlogic.com/support/report_problem.asp)

Email: [support@qlogic.com](mailto:support@qlogic.com)

Phone: (952) 932-4040