



HBA Collect Utility for Linux

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1. Package Contents

The following table describes the contents provided in the HBA Collect Utility package:

Filename	Description
COPYING	GNU General Public License that describes user rights to copy, distribute, and use the open source content in this Linux tool.
ql-hba-collect.sh	Script file used to gather diagnostic information for troubleshooting on a variety of Linux hosts.
README.ql-hba-collect.txt	Text file version of this readme file.
revision.qlhba-collect.txt	Text file that identifies the changes made between versions of this package.

2. Requirements

The HBA Collect Utility requires one of the Linux platforms identified in [OS Support](#).

3. OS Support

The HBA Collect Utility runs on the OS platforms shown in the following table.

Operating Systems		
OS Name	OS Type	Hardware Platform
Red Hat RHEL AS 3.0	32-bit/64-bit	Intel x86, Intel EM64T, AMD64, Intel IA64, and PPC64 platforms
Red Hat RHEL AS 4.0	32-bit/64-bit	Intel x86, Intel EM64T, AMD64, Intel IA64, and PPC64 platforms
Novell SLES 8	32-bit/64-bit	Intel x86, Intel AMD64, Intel IA64, and PPC64 platforms
Novell SLES 9	32-bit/64-bit	32-bit/64-bit on Intel x86, Intel EM64T, AMD64, Intel IA64, and PPC64 platforms
Novell SLES 10	32-bit/64-bit	64-bit on Intel x86, Intel EM64T, AMD64, Intel IA64, and PPC64 platforms

NOTE: For specific OS service packs (SP) and updates, refer to the descriptions where this software version is posted on the QLogic website (http://support.qlogic.com/support/drivers_software.asp).

4. Supported Features

The `ql-hba-collect` utility provides following information:

- Driver related information:
 - Debug messages in `/var/log/messages`
 - Information in `/proc/scsi/scsi`
 - Information in `/etc/qla2[xxx/300].conf`
 - All relevant information from the driver perspective
- OS distribution Information:
 - Red Hat RHEL
 - Novell SLES
 - Kernel version
- System Configuration Information:
 - List of pci devices
 - Device information
 - CPU and memory information
 - Partitions
 - Kernel and command line parameter
 - Interrupt information
- Reporting features:
 - Kernel defaults
 - RPM installed
 - Modules loaded
 - Process running
 - List of open files

5. Using the HBA Collect Utility

This script attempts to gather troubleshooting information on a variety of Linux hosts. It collects the system configuration information and prepares a compressed archive. The archive provides the critical system configuration information for the support team to diagnose any potential error in the system.

To run this script, enter the following command:

```
# ./ql-hba-collect.sh
```

By default, the utility gathers system-specific information regarding the attached QLogic HBA and creates a compressed information archive.

6. Application Notes

None

7. Known Issues and Workarounds

None

8. Contacting 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://support.qlogic.com>

North America Contact Information

Email: support@qlogic.com

Phone: (952) 932-4040

Support contact information for other regions of the world is available at the QLogic website:

<http://support.qlogic.com>

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