Quantum Scaler Key Manager Release Notes

Product	Scaler Key Manager (SKM)
Firmware Version	2.8
Date	October 2022

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Purpose of This Release

Note: The last Nessus security scan date for these SKM 2.8 Release Notes was 08/01/2022. Any issues found after that date will be resolved and identified in the next release notes revision.

SKM 2.8 Release

The SKM 2.8 release provides the following:

- Security updates (Ubuntu 18.04).
- Default password updates.
- TraceRoute support added.
- vmWare support added.

Prior SKM Releases

This section provides prior SKM releases:

SKM 2.7 Release

SKM 2.7 provided:

- Support for the SR250 hardware appliance
- Security updates

SKM 2.6 Release

SKM 2.6 provided:

- Updates the operating system Ubuntu 16.04.
- Provided TLS 1.2 support.
- Upgraded SKM servers (VM and appliance) will default to TLS 1.0.
- New installations of SKM servers (VM or appliance) will default to TLS 1.2.
- Corrects critical and high identified security issues.

SKM 2.5.2 Release

- SKM 2.5.2 provided support for VMWare ESXi 5.x and 6.x only.

SKM 2.5.1 Release

- SKM 2.5.1 continues to support the SKM appliance and VMWare ESXi 4.x.

These notes also provide library, tape drive, and firmware compatibility information. Visit https://www.quantum.com/ServiceandSupport/SoftwareandDocumentationDownloads/SKM/Index.aspx for additional information about Scalar Key Manager.

Obtaining the Latest Firmware Release

To obtain SKM 2.8 firmware, you must contact Quantum Service and Support:

https://www.quantum.com/ServiceandSupport/Index.aspx

General Usage Notes

Caution: Do not remove any hard drive from the appliance server unless it is failed or you are instructed to do so by Quantum service. Removing any hard drive may render it unusable.

Firmware Notes

Note: To upgrade to firmware release 280Q.GC00800, the appliance or VM must be at firmware release 260Q.GC00600.

These release notes list information should be aware of as you set up, configure, and use SKM.

- SKM and Quantum Encryption Key Manager (Q-EKM) are not supported on the same library.
- Password — If you change the password on the SKM server (the default password is “password”), it is extremely important that you remember the new password. The password can be different for each SKM server, so be sure to remember both. If you forget your password, you will lose login access to the SKM server, including backup and restore capability. Quantum will NOT be able to reset or restore the password.
- Date settings on SKM servers and library — The date on the SKM servers and the library must be set to the current date. Incorrect date settings may interfere with the TLS certificates and cause the library to stop communicating with the SKM servers.

- Backing up the keystores — It is extremely important that you back up both SKM servers (best practice) every time you generate new data encryption keys and before you use these new keys to encrypt data. You should also back up the servers when you import keys. You must back up each server separately because the keystores contain different data. The only way to read encrypted tapes is via the data encryption keys in the keystore. If your SKM servers fail without a backup, you will permanently lose access to all your encrypted data. If an SKM server fails and needs to be replaced, the backup is required to restore operation.
- Generating encryption keys — Generating encryption keys on an SKM server from more than five connected libraries at the same time is not recommended.

Library Compatibility

SKM 2.8 supports all Scalar libraries. For firmware pre-requisite versions, reference the tape library documentation and/or firmware release notes.

Note: SKM releases earlier than version 2.1 are no longer supported. Contact your Quantum representative to upgrade to a current release.

Fixed Issues

This release of firmware has the following fixed issues.

Change Request Number	Description
24073	TraceRoute packaging installed to support network troubleshooting.
71293	Default password now required to be changed for new installs. Password rules package added.
71705	vmWare support added.
71799	Numeric timezone issue fixed.
71884	Special characters in pk12 password causes failures with certificate load on library. This has been fixed.
71977	SKM Server Report documentation updates.
71997	Critical and high issues addressed with Nessus scanner plug-in 202208022224. The security scan occurred on 08/01/2022. Any issues found after that date will be resolved and identified in the next release notes revision.

Known Issues

This release of firmware has no known issues.

Related Documents

The following publications provide information related to SKM. For the latest versions, visit www.quantum.com/documentation

Document Number	Documentation Center
6-68933	Scaler Key Manager Documentation Center
6-68935	Scaler i500 Documentation Center
6-68921	Scaler i6000 Documentation Center
6-68528	Scaler i3 Documentation Center
6-68529	Scalar i6 Documentation Center

Contacting Quantum

For further assistance, contact the Quantum Customer Support Center:

Region	Support Contact
North America	1-800-284-5101 (toll free) +1-720-249-5700
EMEA	+800-7826-8888 (toll free) +49 6131 324 185
Asia Pacific	+800-7826-8887 (toll free) +603-7953-3010
For worldwide support: https://www.quantum.com/serviceandsupport/get-help/index.aspx#contact-support	