# Quantum Scalar Key Manager 2.2 Release Notes

| Product | Scalar Key Manager (SKM) |
|---------|--------------------------|
| **Version** | SKM 2.2 |
| **Software** | 220Q.GC003 |
| **Date** | November 2014 |

# Contents

# Purpose of This Release

The SKM 2.2 release includes several new features and enhancements that extend the product's capabilities. These release notes describe these new features and enhancements, as well as currently known issues and issues that were resolved for this release of the product. These notes also provide library, tape drive, and firmware compatibility information. Visit http://www.quantum.com/ServiceandSupport/SoftwareandDocumentationDownloads/SKM/Index.aspx for additional information about Scalar Key Manager.

# New Features and Enhancements

SKM 2.2 includes the following new features and enhancements.

- Adds support for KVM.

# Firmware Notes

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 a SKM server fails and needs to be replaced, the backup is required to restore operation.

- Generating encryption keys — It is not recommended to generate encryption keys on an SKM server from more than five connected libraries at the same time.

# Library Compatibility

SKM 2.2 supports all Scalar libraries. For firmware pre-requisite versions, reference the tape library documentation and/or firmware release notes.

# SKM Software Version Matrix

SKM software versions are listed differently in different locations. This matrix shows you how each version is listed in the different locations.

| Location | Server Software Version | | | | | |
|---|---|---|---|---|---|---|
| | QKM 1.0 | SKM 1.1 | SKM 2.0 | SKM 2.1 | SKM 2.1.1 | SKM 2.2 |
| Scalar i40/i80 **pre-i3** library UI (Reports > System Info) | 1.0.3 | 1.0.3 | 2.0.3a | 2.0.3a | 2.0.3a | 2.0.3a |
| Scalar i40/i80 **i3+** library UI (Reports > System Info) | 1.0.3 | 110Q.GC01100 | 200Q.GC01400 | 210Q.GC01200 | 211Q.GC00200 | 220Q.GC00300 |
| Scalar i500 **pre-i7** library UI (Reports > System Info) | 1.0.3 | 1.0.3 | 2.0.3a | 2.0.3a | 2.0.3a | 2.0.3a |
| Scalar i500 **i7+** library UI (Reports > System Info) | 1.0.3 | 110Q.GC01100 | 200Q.GC01400 | 210Q.GC01200 | 211Q.GC00200 | 220Q.GC00300 |
| Scalar i2000/ i6000 library UI (Monitor > EKM Servers) | 1.0.3 | 1.0.3 | 2.0.3a | 2.0.3a | 2.0.3a | 2.0.3a |
| SKM Server (./skmcmds -v) | 100Q.GC00800 | 110Q.GC0110 + 1.0.3 | 200Q.GC0140 + 2.1.1 | 210Q.GC01200 + 2.1.1 | 211Q.GC00200 + 2.1.1 | 220Q.GC00300 + 2.1.1 |

| Location | Server Software Version | | | | | |
|---|---|---|---|---|---|---|
| | QKM 1.0 | SKM 1.1 | SKM 2.0 | SKM 2.1 | SKM 2.1.1 | SKM 2.2 |
| SKM Server Log (collected by library) | 1.0.3 | 1.0.3 | 2.0.3a | 2.0.3a | 2.0.3a | 2.0.3a |
| SKM Server Log (collected from server) | 1.0.3 | 1.0.3 | 2.0.3a | 2.0.3a | 2.0.3a | 2.0.3a |

# Qualified Backup Applications

SKM 2.2 has been tested with the following backup applications. Other applications that are not listed may also work.

| Backup Application | Supported Versions |
|---|---|
| CA ARCserve® | 11.5 and later |
| CommVault® Simpana® | 8 and later |
| EMC® NetWorker® | 7.5 and later |
| HP Data Protector | 6.1 and later |
| IBM® Tivoli® Storage Manager | 5.4/6.0 and later |
| Symantec™ Backup Exec™ | 12.5 and later |
| Symantec NetBackup™ | 6.5 x and later |

# Resolved Issues

This release of firmware resolved the following issues:

| Change Request Number | Service Request Number | Description | Solution |
|---|---|---|---|
| 53091 | | The skmcmds file can be set to read-only and therefore becomes unreadable by skmadmin. | Fixed. |
| 53353 | | Open Source License version for the GNU Bourne Again SHell updated to bash 4.1-2ubuntu3.4. | Fixed |
| 51623 | | Certificates and private keys for the server were not generated during setup. | Fixed. |

# Known Issues

There are no known issues in this release of the firmware.

# Related Documents

The following publications provide information related to SKM. For the latest versions, visit http://www.quantum.com/ServiceandSupport/SoftwareandDocumentationDownloads/SKM/Index.aspx.

| Document No. | Document Title |
|---|---|
| 6-66532-06 | Scalar Key Manager Quick Start Guide |
| 6-66531-06 | Scalar Key Manager User's Guide |
| 6-67122-01 | Scalar Key Manager Rack Installation |
| 6-66572-03 | Scalar Key Manager Safety Information by IBM |
| 6-67320-27 | Scalar Key Manager Open Source License Agreement |
| 6-66545-xx | Scalar i40/i80 User's Guide |
| 6-01210-xx | Scalar i500 User's Guide |

| Document No. | Document Title |
|---|---|
| 6-00421-xx | Scalar i2000 User's Guide |
| 6-66879-xx | Scalar i6000 User's Guide |

Scalar Key Manager Documents updated for this release:

- Scalar Key Manager Quick Start Guide
- Scalar Key Manager User's Guide
- Scalar Key Manager Open Source License Agreement

# Contacting Quantum

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  http://www.quantum.com/ServiceandSupport/Services/
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