Q’center Virtual Appliance V1.6.1056 Release Notes

1. Introduction:

Q’center is a powerful QNAP NAS management system for managing multiple QNAP NAS. Q’center Virtual Appliance allows you to run Q’center in a Microsoft® Hyper-V™ or VMware® ESXi™ virtual environment, increasing the flexibility and capability of Q’center in large-scale enterprise environments.

1. Patch

The Q’center Virtual Appliance patch file enables you to update existing Q’center Virtual Appliance installations to the latest version. For new installations the patch is not needed. To apply a patch, download the patch file. Then go to “Q’center” > “Settings” > “Patch” and import the patch file.

1. Recommended hardware:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Number of Managed NAS** | | **Recommendation** | | | |
| **Same subnet** | **Different subnets or connection logs enabled** | CPU (or equivalent) | Memory | Disk Space | SSD cache |
| 1–50 |  | 4 virtual CPUs | 1GB | 108GB | No |
| 50–100 |  | Intel® Celeron® quad-core | 4GB | 200GB | No |
| 100–500 |  | Intel® i5 quad-core | 8GB | 500GB | Yes |
|  | 1–100 |
| 500–1000 |  | Intel® Xeon® E3 quad-core | 16GB | 1TB | Yes |
|  | 100–500 |
|  | 500–1000 | Intel® Xeon® E5 quad-core | 64GB | 2TB | Yes |

Note: More powerful hardware is recommended when managed NAS:

* Are on different networks or subnets.
* Have connection logging enabled at “QTS” > “Control Panel” > “System Logs” > “System Connection Logs” > “Start Logging”.

1. Supported platforms:

VMware ESXi (ESXi 5.0, ESXi 5.1, ESXi 5.5, ESXi 6.0, ESXi 6.5)

VMware Fusion 7

VMware Workstation 11 & 12

Microsoft Windows Server 2012 R2 with Hyper-V 3.0

Oracle VM VirtualBox (Not official)

1. Change Logs

V1.6.1056

[New Features]

- Show RAID50/60 storage pools, RAID 50/60 sub-arrays and cache RAID.

- Monitor RAID performance.

- Monitor storage pool performance.

- Monitor CPU detailed usage.

- Export data points from reports.

- Create snapshot folders using Q'center.

- New user interface for Q'center Agent.

[Enhancements]

- Increased performance when managing more than 200 NAS.

- Show installed QM.2 cards.

- Show VJBOD storage pools.

- You can choose to upload Q'center usage data, for product analysis.

- Increased the stability of the Q'center Agent connection.

[Fixed Issues]

- Multiple user interface fixes.

- “Connect to Q’center” could not connect to a Q’center server using a hostname.

- “Q’center Agent” could not be uninstalled from a NAS when removing the NAS from Q’center, if the NAS password had been changed.

- LDAP settings could not be fully cleared.

- Q’center could not be successfully initialized in an environment without DHCP.

- “Add NAS” became stuck if Q’center was restarted.

- When adding NAS within a subnet, multiple copies of the subnet would be displayed.

V1.5.1028

[Enhancement]

- An active directory user account without domain administrator privileges is now able to configure the AD server settings in Q'center.

[Fixed Issue]

- Adding an active directory server which had more than 1,000 accounts would fail with an error.

V1.5.1025

[New Features]

- Login page & layout improvements.

- NAS can be added and discovered using a myQNAPcloud account.

- A shared folder can be created on multiple NAS.

[Enhancements]  
- User can specify a maximum number of Q'center logs entries.  
- Logs can automatically be cleared on a schedule.

- DN and password can be specified when configuring LDAP.

[Fixed Issues]  
- Automatic clearing of the logs works properly. Logs cannot cause all disk space to be filled.  
- For all NAS models, Q'center does not display the “download new firmware” icon for a NAS that has the latest version of QTS.  
- For ARM-based NAS models, Q'center Agent works normally after upgrading Q'center.

- NAS model TS-x31P can be added to Q'center.

- A NAS with VLAN enabled can be added to Q'center.

- Fixed several known application and monitoring problems.

[Other Changes]  
- Removed support for anonymous binding with LDAP.

V1.3.519  
[Improvements]  
- Improved network security.  
  
[Fixed Issues]  
- More than 10 reported issues have been fixed.  
  
[Known Issues]  
- The status of monitored NAS shows more than one abnormal message when a storage pool is full.   
- The feature descriptions are not displayed correctly on the log-in screen in certain languages.  
- In specified condition, abnormal disks are labeled as "Unknown" rather than "Abnormal".   
- Q’center may cannot be opened after users change the network configurations of the NAS where Q’center is installed for several times, unless they restart the application.

1.3.503

[New Features]  
- Volume/LUN IOPS and Latency reports.  
- Added “Organization Unit” field in AD Configuration.  
- The "Enable NFS v4 Service" rule is now supported.  
- Q'center Agent can now be automatically updated with the latest Q'center under multiple management environments.

- Decentralized monitoring and multiple NAS management.  
- S.M.A.R.T. monitoring and reports.

- NAS with QTS 4.3.0 can now be monitored.

[Improvements]  
- Error handling and connection stability have been improved for monitoring across diverse network environments.  
- Improved user guidelines.  
- Improved consistency with QTS.  
- Added a Q’center connection page and FAQ in Online Help.  
- Added support for the latest QNAP NAS models and firmware.  
- Virtual JBOD and PCIe SSD can now be monitored.

[Fixed Issues]  
- Over 20 known issues have been fixed.

[Known Issues]

* Multiple management functions cannot be used with V1.2 Q’center.
* Updating NAS firmware from multiple Q’centers may be unsuccessful.
* When applying Q’center rules, monitored NAS configurations may be removed or overwritten.
* If “Organization Unit” in AD Configuration is not defined, only the "User" group in AD can be added.
* Unable to retrieve app information when using the Install/Update app functionality in QTS 4.3.0 (or newer).

1.2.50

[New Features]  
- App Management.  
- Backup Configuration.  
- Power Settings as Rule.  
- CPU and system temperatures can be monitored in Report.  
- The fan speed can be monitored in Report.  
  
[Improvements]  
- Shows Qtier Storage Pools and RAID Group types.  
-Q'center Agent can be manually updated and re-add NAS.   
- Local NAS can be added by default into management when initiated.  
- Improved performance when adding over 100 NAS.  
- Added support for the TS-X68.  
  
[Fixed Issued]  
- Q'center could not start normally in QTS 4.2.2 with Network & Virtual Switch or Virtualization Station.  
- Multiple small issues have been fixed.  
  
[Known Issues]  
- Q'center Agent consumes more than 50% of CPU resources of a NAS with a Marvell CPU.   
- The Auto-tiering column shows "Not Supported" when it is still retrieving actual information.  
- Dependent apps of specific apps are installed twice on the selected NAS.  
- Enabling the EuP Rule in Q'center removes the original Power Schedule settings.  
- Exported temperature report datasheets display incorrectly when opened with Excel.   
- The Enclosures and Temperature columns, drop-down selection menu, and windows enlargement icon are displayed incorrectly.  
- Storage Pools are not in correct ascending or descending order.

1.1.76

[New Features]  
- Support TDS-16489U.

- Support updated patch from V1.1.48 to V1.1.76.  
[Fixed Issues]  
- Fixed multiple RAID groups display issues.  
- Fixed an issue where users could not downgrade firmware from QTS4.2.0 to 4.1.X.  
- Fixed an issue where users could not add every NAS and create additional addresses in Q'center after importing a CSV file.   
- Fixed an issue where Q’center could not add a NAS when the connection was established through a proxy.   
- Fixed an issue where LDAP could not be configured correctly when the NAS was connected to different subnets at the same time.  
- Fixed an issue where Q'center agent could not be displayed correctly due to a variable naming error.  
- Fixed an issue where TS-659 could not be managed by Q'center.

1.1.48

[New Features]   
- Servers without serial numbers and TS-269H models can now be added.  
- Servers behind NAT routers can now be added by downloading the Q'center Agent from Q'center server directly with the help of Q'center Assistant.  
Q'center Assistant can also be downloaded at App Center.  
- Q'center configuration and recorded data can now be exported and imported.  
- Supports remote backup Q'center configuration.  
- Users can now monitor Server and Connection Logs in the Dashboard.  
- Users can now monitor System (Q'center) Alerts and Events in the Dashboard.  
- Server temperatures and fan speeds can now be monitored.