

SANOS FW 2.0.4

XCubeSAN Series Release Note

January 2022

RELEASE NOTE

Release Information

QSAN is pleased to announce the release of SANOS firmware 2.0.4 for XCubeSAN series, the latest firmware for the following QSAN SAN products:

Applicable Models: XS5224D, XS5224S, XS5216D, XS5216S, XS5212D, XS5212S, XS5226D, XS5226S, XS3224D, XS3224S, XS3216D, XS3216S, XS3212D, XS3212S, XS3226D, XS3226S, XS1224D, XS1224S, XS1216D, XS1216S, XS1212D, XS1212S, XS1226D, XS1226S

Firmware version: 2.0.4 (20211220T1800)

We are pleased to announce that this firmware supports clustered VMDK. We strongly recommend that you update the QSAN products to this latest release to ensure the storage system is running with all the latest bug fixes. The simplest way to update is to use the “Update” function in Maintenance. The following are changes since firmware 2.0.3

New Features

- Support Clustered VMDK on ESXi7.0. (25204)

Enhancements

- Enhance Fast Rebuild function. (25440)

Limitations

- Cluster in a Box (CIB) configuration is not supported.
- Spanned VMFS datastores cannot store clustered VMDKs.

- A physical LUN with a clustered datastore cannot have any additional VMFS datastores.
- On-line Storage vMotion and snapshots are not supported.
- Only disks with 512 sector size are supported.
- VMFS5 and earlier are not supported for storing clustered VMDKs.
- Only datastores connected through Fibre Channel (FC) are supported.
- Clustered VMDK datastore cannot be used as an ESXi installation disk.
- Diagnostic partition is not supported on disks that are marked clustered.
- SCSI-2 reservations are not supported on clustered VMDKs.
- Hot expansion of a VMDK that is associated with a clustered VM is not supported.
- A mix of clustered VMDKs with other types of clustered disks such as pRDMs or vVol in the same WSFC is not supported.
- Moving more than one node of WSFC to the same ESXi host is not allowed and causes vMotion to fail. You must use anti-affinity DRS Rules to separate VMs and nodes of the cluster on different ESXi hosts.
- Cloning and Fault Tolerance are not supported.

For more information, please refer to: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.wsfc.doc/GUID-04626D3C-A305-40BE-A7B9-4E7C7A30BA3D.html>

Companion Software

- XFinder V1.1.1 [Download](#)
- XInsight V1.0.0 [Download](#)
- Expansion Units: XD5300 Series FW 1.0.3

ANNOUNCEMENT

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