

# Solution Design Tools

## Configure Your Ideal Software-Defined Storage Solution with Ease

Seagate enterprise storage systems combined with OSNexus QuantaStor supports block, file, and object storage using both scale-up and scale-out architectures for a broad spectrum of workloads.

QuantaStor enables you to combine and manage storage appliances across public and private clouds into a storage grid. Within each storage grid, up to 100x systems can be deployed and grouped into any number of scale-up or scale-out storage clusters. OSNexus offers custom solution design tools built to help you configure your next Seagate + OSNexus software-defined storage solution.

### Scale-Out Solutions

QuantaStor solutions on Seagate systems provide scale-out file (NFS/SMB/CephFS), block (iSCSI/FC/CephRBD), and S3 compatible object storage. Storage is readily available with 4x or more servers using erasure-coding and/or replica-based data protection. QuantaStor is supported for use with the full line of Seagate servers, storage enclosures, and Seagate CORVAULT systems.

### Scale-Up Solutions

QuantaStor scale-up SAN/NAS solutions on Seagate systems provide scalable storage of up to 8PB per cluster allowing for block (iSCSI/FC) and file (SMB/NFS) storage. Storage is easily attainable using 2x AP servers per cluster with scalability to 32x clusters per storage grid.



### Benefits

- Matches storage software capacity needs to hardware requirements
- Simplifies design of scale-up and scale-out cluster types
- Automatically adjusts CPU, RAM, and hardware configuration parameters
- Identifies and alerts you of design configuration issues

### Explore the Design Tools Here:

- <https://link.osnexus.com/stx-scale-out>
- <https://link.osnexus.com/stx-scale-up>