

ServaStor™ Storage Solutions

Scalable InfiniBand Storage Cluster

Microway custom builds competitively priced, fully integrated storage clusters. Our knowledgeable sales staff will help you design the cluster and storage you need while meeting your budget. Expert technicians integrate and test all hardware and software components.

STORAGE THAT SCALES WITH YOUR NEEDS

Each storage cluster is designed to serve the storage needs of many nodes. The data load is distributed between the available storage servers to reduce contention and improve the aggregate bandwidth of the storage array. One storage cluster can serve hundreds or thousands of nodes with all the storage they require.

Scale your storage cluster by adding new storage servers as needed! New servers may be added without reconfiguring or disturbing existing servers and clients. New clients may be quickly and easily added at any time.



48 TB, 3 Server ServaStor IB Storage Cluster - Can be added to an existing data center's standard 19" rack

SERVASTOR™ STORAGE FEATURES:

- Open Source Lustre or Gluster Cluster Filesystem
- On-line Storage Capacity Expansion
- Microway TriCom™ ConnectX InfiniBand HCA with NodeWatch™ BMC and Serial Console
- Microway FasTree™ QDR InfiniBand Fabric
- Navion™ Six-Core Opteron Storage Servers
- Redundant Navion™ Six-Core Metadata Servers
- Navion™ Six-Core Opteron Clients
- Easily Add Storage Servers and Clients



All storage servers are thoroughly burned in with hard drive, CPU, memory and network tests in the exact configuration specified by the customer at time of order. ServaStor solutions are sold as an option on Microway clusters, or as an add-on to a data center's existing cluster.

CHASSIS OPTIONS:

- 2U, 8 Drive, 8 TB (raw storage)
- 3U, 16 Drive, 16 TB (raw storage)
- 4U, 24 Drive, 24 TB (raw storage)
- 8U, 40 Drive, 40 TB (raw storage)

HARDWARE RAID CAPABILITIES:

- RAID levels 0, 1, 1E, 3, 5, 6, Single Disk (JBOD)
- 2GB ECC DDR2 DIMM, upgradeable to 4 GB
- Battery Backup Unit (BBU) ready
- Online Capacity Expansion ready
- Variable stripe size for performance tuning
- Hot-swap and hot-spare support for data availability
- Automatic drive failure and pre-failure detection
- Automatic RAID rebuild using hot-spare drives
- S.M.A.R.T. disk drive monitoring for reliability
- RAID Management: E-mail alerts; Web-based tool for In-Band and Out-of-Band management
- Visual and Audible alarms for hard drive failure

SOFTWARE OPTIONS:

- 64-bit Linux (SUSE, Redhat Enterprise, Fedora, Gentoo)
- Remote RAID Monitoring/Administration Utility
- Open Source Lustre or Gluster Cluster Filesystem
- OpenFabrics Enterprise Distribution InfiniBand Software
- InfiniScope™ Real-time InfiniBand Network Diagnostics
- Microway MPI Link-Checker™ with Fast-Check™

OFFERING HPC SOLUTIONS SINCE 1982

For more information on ServaStor storage solutions, or any of Microway's products, contact:

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