



# Gridstore's Converged Infrastructure

## Elastic Infrastructure Purpose-Built for Hyper-V

Gridstore's converged infrastructure is purpose-built for the Microsoft Cloud. It is designed from the ground up to deliver predictable performance for any workload in a highly virtualized environment and it eliminates the cost, risk and management complexity of layers of technologies that were never built for virtualization. Our converged infrastructure enables a simple, pay-as-you-scale, building-block approach to building an infrastructure for private, hybrid or public clouds.

### Gridstore Converged Infrastructure

#### Includes:

##### ■ HyperConverged Appliances

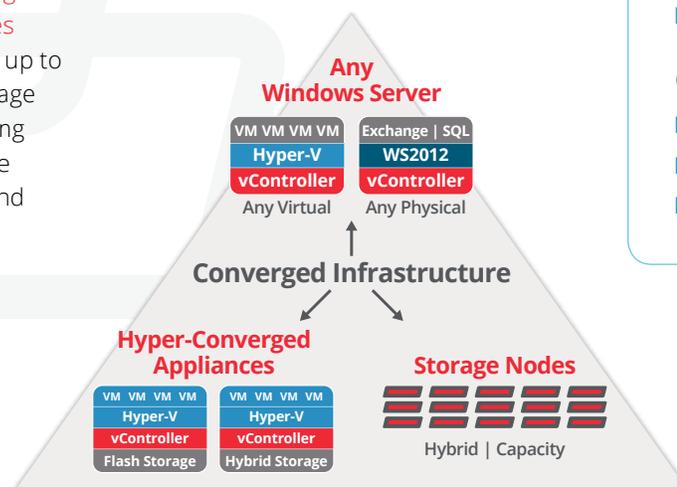
Gridstore's **single system** includes both compute and storage. Each appliance has up to four compute/storage nodes, and can be expanded with additional Appliances and/or Storage Nodes, up to 250 total nodes. Both all-flash and hybrid versions are available.

##### ■ Storage Nodes

Gridstore offers both **Hybrid Storage Nodes** and **Capacity Storage Nodes** that scale from 12TB to 12PB with up to 250 nodes. The Performance Storage Nodes include PCIe flash for caching to deliver high performance. These work with both Compute Nodes and **HyperConverged Appliances**.

##### ■ Compute Servers

Any Microsoft Windows Servers with or without Hyper-V, to which are added the **Gridstore vController**, a software driver that interfaces with Gridstore Storage Nodes and provides simple management and end-to-end control of I/O from server to storage, **eliminating the "I/O blender effect"** and allowing performance to scale linearly with capacity.



*Gridstore's converged infrastructure is the fastest way to build the most powerful and scalable Microsoft Cloud*

#### Use Cases

##### HyperConverged Appliance

- VDI (Virtual Desktop Infrastructure)
- Hyper-V / Cloud in a box
- ROBO (Remote Office / Branch Office)

##### Hybrid Storage Node

- Databases
- Mixed workloads

##### Capacity Storage Node

- Backup and restore
- Disaster recovery
- File servers

## What Makes Gridstore Different

Feature	Benefit
<p><b>Native Hyper-V Integration</b></p> <p>Gridstore is the only solution that offers native Windows integration. <b>Gridstore vController</b> is a software driver that installs at the Windows kernel level.</p>	<p><b>Power On and Provision</b></p> <p>No guest-VM complexity. Tightest integration possible with Windows management and functionality.</p>
<p><b>End-to-End I/O Control per VM</b></p> <p>Granular visibility and control with <b>QoS</b> per-VM enables precision I/O for each VM based on user-defined priority.</p>	<p><b>Predictable Performance per VM</b></p> <p>Only Gridstore delivers end-to-end <b>per-VM I/O control</b>. No more noisy neighbors, always top performance for the most critical VMs.</p>
<p><b>Efficient Elastic Scaling</b></p> <p>Gridstore has eliminated the need for three-way replicas, improving efficiency and eliminating waste. Gridstore stripes data across storage nodes and uses advanced data protection. Scale up to 250 nodes.</p>	<p><b>50% Lower TCO</b></p> <p>Gridstore allows you to pay as you grow. Our design delivers 50% lower TCO through eliminating replicas. With up to 250 nodes per pool, performance continues to increase linearly as you add nodes.</p>
<p><b>End-to-End Flash Architecture</b></p> <p>Gridstore is architected for end-to-end flash performance. Using flash for both read and write cache.</p>	<p><b>Flash Performance</b></p> <p>Ultimate performance for your most demanding applications.</p>
<p><b>Independent Scaling</b></p> <p>Add more <b>HyperConverged Appliances</b>, or Windows servers, or Storage Nodes.</p>	<p><b>Scale to Fit Your Needs</b></p> <p>With Gridstore, unlike other hyper-converged vendors, you can scale compute and storage together OR you can scale them independently. Maximum flexibility to fit into your existing environment or as a standalone solution.</p>

## About Gridstore

Gridstore™ is the leader in converged systems purpose-built for Microsoft Hyper-V, delivering hyper-converged appliances including the industry's first all-flash hyper-converged infrastructure providing tunable, auto-optimized compute and storage resources together in a single system. HyperConverged Appliances™ are based on Gridstore's patented software that delivers elastic resources, per-VM I/O control, and deployment agility, the key components of the private cloud. These appliances complement the existing Gridstore Storage Nodes which provide the greatest scalability and optimized price/performance for Hyper-V available in the market today. Fully integrated with Microsoft System Center, Gridstore provides the most comprehensive storage solution purpose-built for the Microsoft ecosystem. Headquartered in Mountain View, CA, its products and services are available through a global network of value-added resellers. For more information, please visit [www.gridstore.com](http://www.gridstore.com).

Gridstore is a Microsoft Gold Certified Partner, Dell OEM Powered, Veeam Verified, and Windows Embedded Partner.



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📞 US 855.786.7065 US 650.316.5515 UK +44(0)20 3553 3662 📧 [info@gridstore.com](mailto:info@gridstore.com) [www.gridstore.com](http://www.gridstore.com)

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