

vSTAC Hyperconverged Solutions

94%
STORAGE EFFICIENCY

<10%
OVERHEAD

40%
INCREASED STORAGE
PERFORMANCE

UP TO
89%
IOPS AVAILABLE WITH
2 OF 3 NODES ONLINE

Gain the predictable performance, scale and availability needed to transform your business.

Pivot3 delivers hyperconverged infrastructure (HCI) solutions that maximize resource utilization, provide high availability that performs and offer flexible deployment options. Unlike conventional HCI solutions that strand critical resources on each node, Pivot3's distributed scale-out architecture pools each HCI node's compute and storage capacity for consumption by every VM and application. Pivot3's patented Scalar Erasure Coding provides remarkably efficient high availability that maintains performance during degraded mode conditions. Start with what you need, and scale compute and storage to meet your specific application requirements.

Maximum Infrastructure Utilization

Pivot3's distributed scale-out architecture aggregates all storage and compute resources into a common pool available to all virtual machines, which enables the platform to support four times the number of virtual machines as traditional infrastructures. Caching, bandwidth and IOPS, along with storage efficiency and capacity are scaled linearly simply by adding nodes to the cluster.

Lower TCO & Better ROI

vSTAC OS, Pivot3's operating environment, consumes less than 10% overhead, leaving more system resources for VMs and applications. Pivot3's interoperability with existing storage and application servers allows businesses to leverage their HCI with existing IT investments. In addition to reducing datacenter footprint, Pivot3 delivers maximum capacity utilization and availability with half the nodes and at lower costs than replication-based systems.

Efficient High Availability

Most HCI solutions rely on replication for data protection, which sacrifices capacity for availability. Pivot3 provides the optimum combination of efficiency, protection, and performance that businesses need. Pivot3's advanced fault tolerance maintains performance during degraded mode conditions, and sustains business operations after up to five drive failures, or if a node and drive fail concurrently.

Simple, Intelligent Management

By converging compute, storage and VM management, Pivot3 automates systems management with capabilities including self-optimizing, self-healing, and self-monitoring. In addition to increasing end-user productivity, the Pivot3 vCenter plugin provides a single-pane-of-glass to simplify management of single and multi-site deployments.

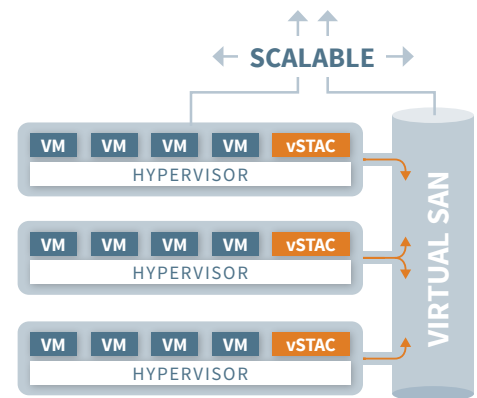
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vSTAC Rack Server HCI Nodes			vSTAC Blade Server HCI Nodes	
1U	2U	2U	2U	10U
Model				
Edge Office (All-Flash)	All-Flash HCI Node	Hybrid HCI Node	FX2s Modular (All-Flash)	10U Blade (All-Flash)
Max Cluster Size				
6 Nodes	16 Nodes	12 Nodes	16 Nodes	16 Nodes
CPU Cores				
Single 4 Core E3-1270 v5	Dual 18 Core Intel E5-2695 v4	Dual 10 Core Intel E5-2640 v4 Dual 18 Core Intel E5-2695 v4	Dual 18 Core Intel E5-2695 v4	Dual 18 Core Intel E5-2695 v4
RAM				
64 GB	128, 256, 384, 512, 640, 768 GB	128, 256, 384, 512, 640, 768 GB	256, 512, 640, 768 GB	512, 640 GB
HCI Node Capacity				
1.6, 3.2, 6.4 TB SSD	3.2, 6.4, 12.8, 30.7 TB SSD	12, 24, 48, 72, 96, 128 TB HDD	Standard: 3.2, 6.4 TB w/ Storage Blades: 25.6, 30.7 TB	1.6, 3.2 TB
Storage-only Nodes / Capacities				
-	3.2, 6.4, 12.8, 30.7 TB SSD	12, 24, 48, 72, 96, 128 TB HDD	-	-
Node Performance Rating				
20,000 IOPS*	72,000 IOPS* 1.2 GB/s**	62,400 IOPS* 1.5 GB/s**	75,500 IOPS* 1.5 GB/s**	78,500 IOPS* 1.6 GB/s**
Optional GPU				
-	Teradici / NVIDIA (K1, M60, Grid 2.0)	Teradici / NVIDIA (K1, M60, Grid 2.0)	-	Amulet Hotkey / NVIDIA (Grid 2.0)
Network Interfaces				
4 x 1 GbE	4 x 10 GbE (10GbBaseT or SFP+) Optional 2 x 10 GbE (10GbBaseT) 2x 1GbE Mgmt	4 x 10 GbE (10BaseT or SFP+) 2 x 1 GbE Mgmt	4 x 10 GbE (10BaseT or SFP+)	

*4K Reads. **256K Reads.

Patented Scalar Erasure Coding

Performance Optimized		Availability Optimized		
Erasure Code Level				
1P	3P	1	3	5
Max Disk or Node Fault Tolerance				
1 disk or 1 node	3 disks or 1 node	1 disk or 1 node	3 disks or 1 node	5 disks or 1 node
Max Disk and Node Fault Tolerance				
-	1 disk + 1 node	-	1 disk + 1 node	2 disks + 1 node



Distributed Scale-Out Architecture

For more information, visit Pivot3.com

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