

# Pivot3 Acuity HCI

9x  
PERFORMANCE

Breakthrough performance, prioritized to power your business.

3x  
VM DENSITY

Pivot3's Acuity hyperconverged software platform overcomes the performance limitations of conventional hyperconverged infrastructure (HCI). Pivot3's innovative, multi-tier architecture with NVMe flash datapath is orchestrated by advanced Quality of Service (QoS) that simplifies performance management and puts an end to resource contention. Now IT can confidently consolidate a broader set of workloads on a single infrastructure platform and deliver guaranteed performance to the applications that power the business.

62%  
LOWER LATENCY

## Increase Application Performance

Pivot3's state-of-the-art, multi-tier storage architecture combines NVMe PCIe flash, SSD, HDD and RAM in each HCI node for faster performance and cost-effective capacity utilization. With the breakthrough performance levels of NVMe flash, the consolidation of latency-sensitive applications on HCI is now a reality. Additionally, Pivot3's distributed scale-out architecture aggregates the capacity, IOPS, bandwidth and cache of each node into highly-available resource pools that deliver maximum storage performance to your applications.

## Simplify IT Management

Making performance easy to manage starts with offering five flexible QoS policies that can be assigned to each workload, without having to know exact performance requirements. For recurring business needs (i.e. quarterly reporting and batch processing) policy changes can be easily scheduled to prioritize performance as needed. By automating policy changes, QoS scheduling gives IT the agility to support the business as application priorities and workloads change. In addition to performance QoS policies, data protection QoS policies ensure snapshots are prioritized and automated to align with changing data protection needs.

## Exceed User Expectations

High performance storage by itself is not enough – it must be delivered to the most important business applications when it counts. Intelligent prioritization capabilities through Pivot3's advanced QoS policies set minimum levels for IOPS, throughput and response times for each application. Additionally, Service Levels associated with each QoS policy prioritize performance resources accordingly, ensuring mission-critical workloads meet their service levels during periods of resource contention or degraded mode conditions.

## Improve Datacenter Efficiency

Pivot3 effectively resolves the tradeoff of capacity utilization for availability inherent in most HCI solutions that rely on replication for data protection. Patented erasure coding provides an optimal combination of efficiency, protection and performance your business needs for uninterrupted operations. Pivot3's distributed scale-out architecture also enables efficient, non-disruptive scalability by pooling all system resources, which expands with each added HCI node to the cluster. This modular approach to linear scalability means you buy only what you need as your business grows.

# Pivot3 Acuity Hyperconverged Infrastructure

## NEXT GENERATION PERFORMANCE

- Multi-tier Architecture
- NVMe Flash Read/ Write Cache and Tiering
- QoS Performance Limits
- QoS Service Levels
- Scale-out Architecture

## ADVANCED POLICY-BASED MANAGEMENT

- Performance QoS Policies
- Data Protection QoS Policies
- QoS Policy Scheduler
- QoS Performance Metrics

## COMPREHENSIVE DATA SERVICES

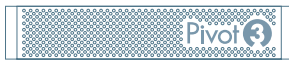
- Patented Erasure Coding
- Snapshots and Clones
- Asynchronous Replication
- Application Integration
- Data Reduction/ Thin Provisioning
- External Storage and Server Support
- vSphere Integration (VAAI, PSA, vCenter)
- Phone Home Capability



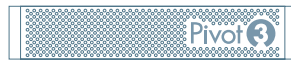
- PRIORITY-AWARE  
AUTOMATIC WORKLOAD PRIORITIZATION
- POLICY-BASED  
ADVANCED QUALITY OF SERVICE
- PERFORMANCE-ARCHITECTED  
NVMe PCIe MULTI-TIER ARCHITECTURE
- EFFICIENT AND SCALABLE  
SHARED STORAGE POOL

## ACUITY HYPERCONVERGED X-SERIES

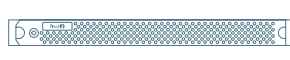
### 2U Flash Nodes



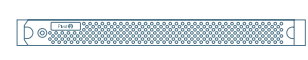
### 2U Hybrid Nodes



### 1U Flash Nodes



### 1U Hybrid Nodes



#### Model Name

X5-6500 / X5-6000

X5-2500 / X5-2000

X3-6500 / X3-6000

X3-2500 / X3-2000

#### Max Domain Size

Unlimited

Unlimited

Unlimited

Unlimited

#### Max Cluster Size

16 Nodes

12 Nodes

8 Nodes

8 Nodes

#### CPU Cores

2x 18 Core Intel Xeon

2x 18 Core Intel Xeon

2x 12 Core Intel Xeon (7.6TB nodes)  
2x 20 Core Intel Xeon

2x 10 Core Intel Xeon

#### RAM

256GB – 1536GB

256GB – 1536GB

192GB – 768GB

192GB – 768GB

#### NVMe Flash Capacity\*

1.6TB AIC (X5-6500)

1.6, 2.0, 3.2TB AIC (X5-2500)

960GB U.2 (X3-6500)

960GB U.2 (X3-2500)

#### Node Capacity in TB\*

3.2, 3.8, 6.4, 7.6 12.8, 15.3, 30.7 SSD

12, 24, 48 HDD

7.6, 15.3, 30.7 SSD

8, 16 HDD

#### Optional GPU\*

1x NVIDIA Tesla (M10, M60)

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None

None

#### PCoIP Offload\*

1x Teradici

1x Teradici

None

None

#### Network Interfaces\*

##### X5-6500:

8x 10GbE RJ45 or 8x 10GbE SFP+,  
6x 10GbE RJ45 and 2x 1GbE RJ45

##### X5-2500:

8x 10GbE RJ45 or 8x 10GbE SFP+,  
6x 10GbE RJ45 and 2x 1GbE RJ45

##### X3-6500:

8x 10GbE RJ45 or 8x 10GbE SFP+

##### X3-2500:

8x 10GbE RJ45 or 8x 10GbE SFP+

##### X5-6000:

6x 10GbE RJ45 or 6x 10GbE SFP+,  
4x 10GbE RJ45 and 2x 1GbE RJ45

##### X5-2000:

6x 10GbE RJ45 or 6x 10GbE SFP+,  
4x 10GbE RJ45 and 2x 1GbE RJ45

##### X3-6000:

6x 10GbE RJ45 or 6x 10GbE SFP+

##### X3-2000:

6x 10GbE RJ45 or 6x 10GbE SFP+

\* Two node types are available for each X5 model shown above. Capacity, GPU, PCoIP and network options may differ between X5 type. Please see Pivot3 Technical Specifications Guide for details.

For more information, visit [Pivot3.com](http://Pivot3.com)

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