Pivot3

N5 PCIe Flash Arrays

Ensure flash performance aligns with business priorities.

ALL-FLASH + HYBRID
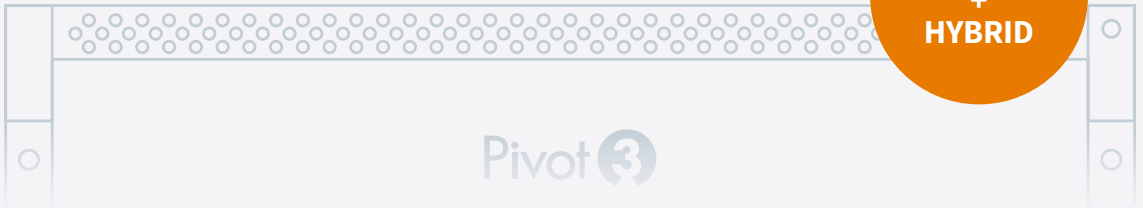
INTEGRATED
PCIe FLASH
ULTRA-LOW LATENCY

PRIORITIZE
APPLICATIONS

MEET
SERVICE LEVELS

UP TO
450,000 IOPS

UP TO
6.0 GB/s
THROUGHPUT

Pivot3

Manage performance of applications without the burden of complex overhead.

Pivot3 provides innovative all-flash and hybrid flash arrays that deliver predictable performance and better economics through an innovative architecture that leverages PCIe flash and advanced storage Quality of Service (QoS). Unlike other arrays that treat all data the same, Pivot3's dynamic storage QoS governs performance targets, I/O prioritization and data placement, allowing you to meet Service Level Agreements (SLAs). Pivot3 flash arrays deliver the predictable application performance your end-users require, along with industry-leading performance, density and management simplicity.

DYNAMIC QoS

SET TARGETS
Preconfigured Policies
Manage Performance Min/Max Levels

MANAGE PRIORITIES
Resources Allocated to
Critical Workloads
Priorities Managed in Real Time

PLACEMENT
Real-Time, Automated Data Movement

Management Simplicity

Manage via web and CLI, as well as converged management within VMware vCenter Server that simplifies storage management for virtualization administrators. In-depth performance metrics and analytics provide real-time intelligence for insight and decision making. All features are included at no additional cost, including data protection with integrated snapshot and replication.

Prioritize What Matters Most

Align each workload's performance to its business value with simple to apply, policy-based prioritization. Set targets that govern prioritization and automated data placement, all at a level of granularity that matches the dataset — either the LUN/datastore level or down to the individual VM/VMDK level.

PCIe Flash Architecture

PCIe-flash integration means flash is closest to RAM and CPU on each storage processor for lowest latency performance. Our innovative multi-tier architecture is designed to encompass RAM, PCIe-flash, SSDs and HDDs storage tiers, as well as future media types, all managed by Storage QoS to deliver on your application SLAs.

Data Reduction Technologies

Three powerful data reduction technologies provides I/O reduction for a 2.5x performance, I/O consolidation for 4x flash endurance and inline data reduction for a 2:1 capacity reduction.

N5 PCIe Flash Array Specifications
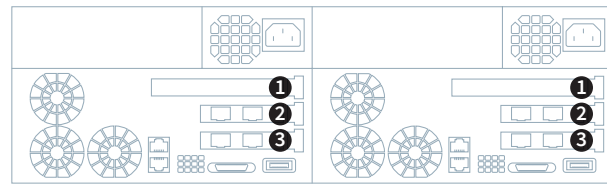
SLOTS: 1. PCIe Flash Card **2.** 10 GbE or Available PCIe Flash Performance Pack **3.** 10 GbE   *Data ports vary by model.*

ALL-INCLUSIVE FEATURES
- Quality of Service
- Service Levels
- Dynamic Data Path
- Prioritized Active Cache
- Data Reduction
- Data Protection (Snapshot and Replication)

HARDWARE AVAILABILITY
- Storage Processors
- Redundant, Hot Swap Power Supplies
- Redundant Network Connections
- RAID, Hot Swap SSD/HDD Drives
- Redundant Fans

VMWARE INTEGRATION
- VAAI
- VASA
- vCenter Plug-in
- MPIO ALUA
- Virtual Volumes
- Horizon View Proven Storage

SUPPORT
- Software/Firmware Updates
- Hardware Parts Replacement
- Performance and Capacity Expansion Packs covered by N5 support contract
- Proactive Phone-Home Monitoring (via Internet)
- Direct Access to Pivot3 Support Engineers (via Phone and Email)

ALL-FLASH ARRAYS

	N5-1500	N5-6000
	450,000 IOPS*	
	6.0 GB/s**	
	*4K Reads. **256K Reads.*	
RAM	192 GB	
PCIe Flash	2.6 TB	
SSD Capacity	15 TB (60 TB Max)	60 TB (240 TB Max)

Network Interfaces
Data: (8) 1/10 GbE SFP+ or (8) 1/10GBT RJ45, iSCSI
Management: (4) 1 GbE RJ45, http, https

HYBRID ARRAYS

|	N5-200	N5-300	N5-500	N5-1000
	150,000 IOPS*	200,000 IOPS*	225,000 IOPS*	250,000 IOPS*
	2.0 GB/s**	2.4 GB/s**	2.7 GB/s**	3.0 GB/s**
	*4K Reads. **256K Reads.*			
RAM	96 GB	192 GB		
PCIe Flash	2.0 TB (7.2 TB Max)	2.6 TB (7.8 TB Max)	5.2 TB (10.4 TB Max)	10.4 TB (15.6 TB Max)
HDD Capacity	32 TB (128 TB Max)	64 TB (448 TB Max)	64 TB (448 TB Max) / 128 TB (512 TB Max)	

Network Interfaces
Data: (4) 1/10 GbE SFP+ or (4) 1/10 GBT RJ45, iSCSI
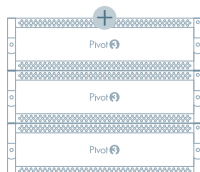Management: (4) 1 GbE RJ45, http, https

SCALABILITY OPTIONS
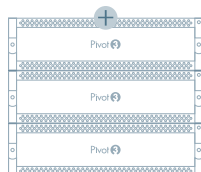
Capacity Packs (SSD Shelves)
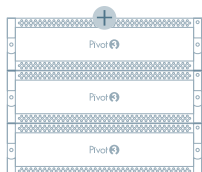
3x 15 TB	3x 60 TB
Scale up to 60 TB	Scale up to 240 TB

Capacity Packs (HDD Shelves)

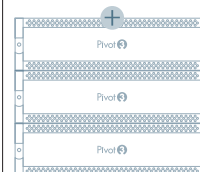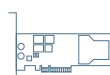| 3x 32 TB	3x 32/64/128 TB	3x 32/64/128 TB
Scale up to 128 TB	Scale up to 448 TB	Scale up to 512 TB
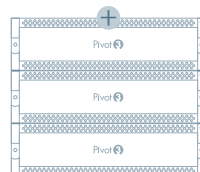
Performance Pack

Add an additional 5.2 TB of PCIe Flash for increased performance

For more information, visit Pivot3.com