



Transforming the data center with the simplicity, economics, and performance of Hyperconverged Infrastructure and Dynamic Quality of Service



SMARTER INFRASTRUCTURE SOLUTIONS



94%

USABLE CAPACITY

99.9999%

AVAILABILITY

2x

VIRTUAL MACHINES

85%+

IOPS MAINTAINED EVEN DURING DEGRADED MODES

<8%

HCI OPERATING OVERHEAD

33x

STORAGE PERFORMANCE

2x

PERFORMANCE OVER OTHER HCI ARCHITECTURES

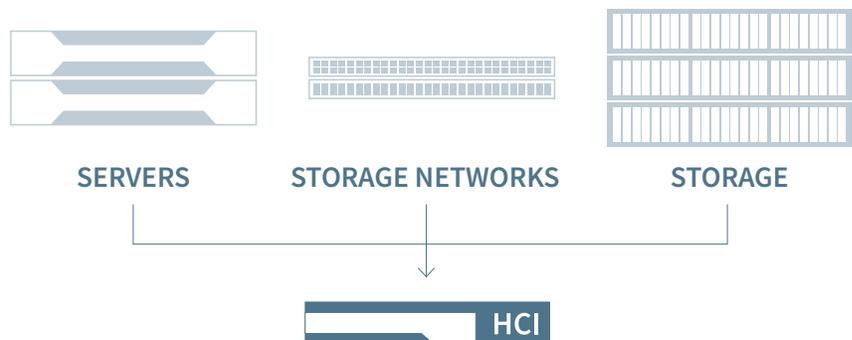
UNLOCKING THE POTENTIAL OF THE SOFTWARE-DEFINED DATA CENTER

In today's digital world, IT leaders are striving to master a software-defined approach to business that enables faster application deployment and meets ever increasing end-user expectations for always-on data availability and instant access to information. Traditional data center infrastructure is expensive, inefficient and difficult to manage, forcing IT to look for more agile, scalable, and cost-effective solutions that drive innovation and align with the demands of business.

Pivot3 was founded on the idea that the traditional data center could be radically simplified by unifying storage, compute, networking and virtualization resources into a powerful, easy-to-deploy solution that reduces costs, IT complexity, and organizational risk. As a pioneer and innovator of hyperconverged infrastructure (HCI), Pivot3 continues to redefine IT infrastructure solutions through the combination of software-defined storage, flexible scale-out and flash architectures, and a Dynamic Quality of Service (QoS) engine so organizations of all sizes can realize the potential of the software-defined data center.

Today, Pivot3 has thousands of customers around the world deploying more than 16,000 hyperconverged infrastructures in multiple industries such as healthcare, financial services, government, transportation, video surveillance, entertainment, education, gaming and retail.

Pivot3 Hyperconverged Infrastructure



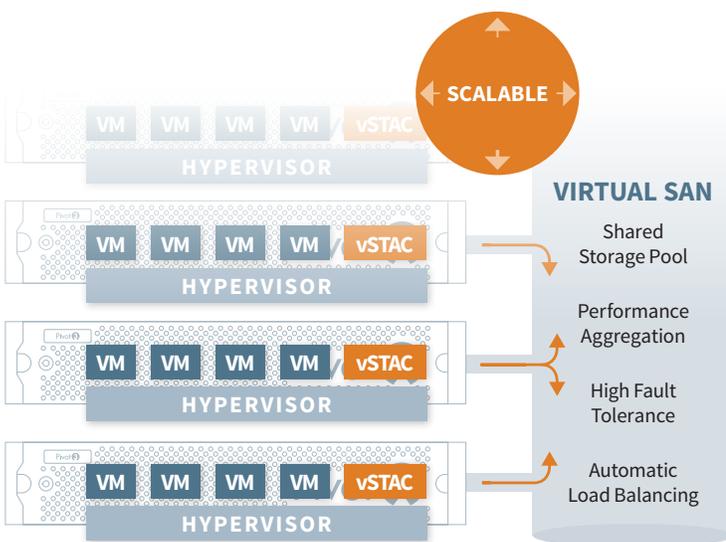
PIVOT3 IS DIFFERENT.

Most HCI solutions are limited to basic data protection schemes that impact capacity utilization and system performance which keeps customers from realizing all the benefits of hyperconvergence.

Pivot3's smarter infrastructure for the software-defined data center offers patented erasure coding, distributed scale-out architecture, and a Dynamic QoS engine to **maximize resource utilization, deliver high availability that performs, and prioritize performance and data protection to the applications that matter most to your business.**

No other hyperconverged solution can offer this combination of efficiency, protection and performance.

Pivot3 Distributed Scale-Out Architecture



WHAT MAKES OUR INFRASTRUCTURE SMARTER?

SCALAR ERASURE CODING

Patented erasure coding technology delivers the highest storage utilization and data protection in the industry.

DISTRIBUTED SCALE-OUT ARCHITECTURE

Unique architecture unifies resources from each node in the hyperconverged cluster to deliver performance at scale.

EFFICIENT OPERATING ENVIRONMENT

Optimized to use a fraction of compute resources to run and bypasses the hypervisor to support more applications.

DYNAMIC QoS

Policy-based quality of service engine ensures predictable, guaranteed performance and protection for applications based on business priority.

SIMPLIFIED MANAGEMENT

Based on VMware vSphere, management is made easy via a vCenter Plug-in for single-pane-of-glass management of HCI and flash arrays from one console.

FLEXIBLE DEPLOYMENT OPTIONS

Multiple platforms and form factors available for HCI deployment and seamless integration of existing servers, storage and applications.

DEPLOY SOLUTIONS TO FIT ANY NEED

Pivot3 provides a wide range of hyperconverged and flash storage solutions depending on customer need.

Our innovation is in our software platform, which is designed to run on a variety of hardware options.

We package our solutions either as preconfigured appliances or as software-only that can be installed on the customer's hardware platform of choice.

FLEXIBLE DEPLOYMENT OPTIONS

HCI NODES

Rack HCI Systems

All-Flash Performance optimized

Hybrid Capacity optimized

Data Capacity only

Blade HCI Systems

Dell M1000 and FX2

Cisco UCS Mini

Inclusive Features

- All HCI node systems come with all vSTAC software features included
- Due to our architecture, we are the only HCI vendor that can deploy on blades

MAXIMUM RESOURCE UTILIZATION

HCI nodes deliver maximum resource utilization and high availability that performs via unified compute and storage within our patented vSTAC operating environment with flexible deployment options.

FLASH STORAGE ARRAYS

All-Flash Arrays

N5-1500

N5-6000

Hybrid Arrays

N5-200

N5-300

N5-500

N5-1000

Inclusive Features

- Dynamic QoS
- Service levels
- Dynamic data path
- Prioritized active cache
- Data reduction
- Data protection (snapshot and replication)
- Application integration

DYNAMIC QoS

Flash storage arrays deliver predictable performance and better economics through an innovative architecture that leverages PCIe flash and Dynamic QoS, which governs performance targets, I/O prioritization and data placement and protection, allowing you to meet SLAs.

SOFTWARE-ONLY

HCI Software

vSTAC OS

Inclusive Features

- 94% storage capacity efficiency at scale
- Patented Erasure Coding
- Six 9s availability
- 85%+ IOPS available in event of drives or node offline
- Consumes less than 8% percent of system resources

BETTER ROI WITH vSTAC OS

Pivot3's lean operating environment consumes less than 8% of system resources, leaving more available for VMs and applications. And highly-efficient capacity utilization improves as it scales, up to 94% in certain cases.

COMBINED HCI AND FLASH STORAGE

vSTAC SLX Systems

SLX 50

SLX 100

SLX 200

Inclusive Features

- Hyperconverged infrastructure integrated with shared flash storage
- Converged management console
- Dynamic QoS
- Flexible scaling options
- Configurations can be customized to meet customer requirements for compute, memory, storage, and networking

SUPPORT THE FULL SPECTRUM OF DATA CENTER NEEDS

With the simplicity and economics of HCI and the predictable performance of flash and Dynamic QoS, businesses can now confidently support a full spectrum of applications, including mission-critical, with low-latency shared flash acceleration and granular, automated performance management.

MULTIPLE APPLICATIONS

At Pivot3, we understand that IT needs to deploy infrastructure to support multiple solutions and use cases to meet specific business initiatives and needs. This requires a validated and optimized infrastructure that works seamlessly with other software and hardware vendors in any environment.

DATA CENTER
CONSOLIDATION



SERVER
VIRTUALIZATION



VIRTUAL DESKTOP
INFRASTRUCTURE



REMOTE AND
BRANCH OFFICE



BUSINESS CONTINUITY/
DISASTER RECOVERY



ENTERPRISE
APPLICATIONS



VIDEO
SURVEILLANCE



ONE HCI SOLUTION



Today, IT organizations need to consolidate multiple application workloads onto a common infrastructure to reduce capital and operating expenses. In the move towards HCI, however, many businesses are hesitant to run multiple mixed workloads on these systems because they are unable to guarantee performance to important applications.

Pivot3's patented technology and Dynamic QoS redefine HCI, giving customers the confidence to deploy multiple mixed-application workloads on hyperconverged infrastructure with the benefits of guaranteed performance and data protection, simplified deployment and improved economics. With Pivot3, customers are able to grow into a hyperconverged environment at their own pace with simple and scalable modular IT building blocks that provide a flexible 'mix and match' architecture of HCI, compute, storage and PCIe acceleration, all governed by the Dynamic QoS engine.



Pivot3's VMware-validated solutions are based on VMware ESXi and easily integrate with VMware's end-user computing, cloud management, and advanced software-defined data center offerings. Dynamic QoS is also tightly integrated with VMware Virtual Volumes for simple, granular VM-level management of performance and data protection.



Pivot3 gives customers the flexibility to choose their preferred server manufacturers. All nodes can be mixed and matched with Pivot3 systems and come preconfigured with your choice of networking, storage, CPU, memory, GPU and OS build.



For more information about hyperconverged solutions
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To learn more about Pivot3, visit Pivot3.com.

