

# Hyper-Converged Blades

The most efficient way to power the enterprise



- Converged virtual storage & compute – no complex SAN
- Up to 9,000 virtual machines per rack
- Pay-as-you-grow scale-out model
- Cluster-aware infrastructure makes scaling simple
- Central management for efficiency and data security

## Next generation IT infrastructure

Pivot3's true Hyper-Converged Infrastructure Blade Appliance (HCIBA) blends the convergence of storage and compute resources with the high computational density of blades. The result is the most efficient platform for consolidating the data centers of medium to large enterprises. Pivot3's HCIBA allows IT organizations to focus on driving business outcomes rather than being wholly absorbed by maintenance and scaling projects.

### KEY FEATURES

#### Fully Hyper-converged Infrastructure in a Chassis

With Pivot3's unique hyper-converged infrastructure, each blade chassis is a self-contained appliance which creates unified pools of storage. Compute resources are dynamically allocated to power any combination of virtual desktops, virtual servers, and mobile devices. There is no need for a separate SAN and servers.



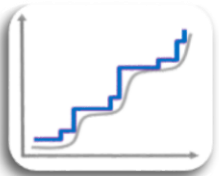
#### Hyper-dense Solution Saves Space and Power

One rack of HCIBA can support up to 9,000 virtual desktops, dramatically reducing physical space requirements in the data center. By leveraging the redundant power and cooling provided by the blade enclosure, the HCIBA minimizes environmental impact.



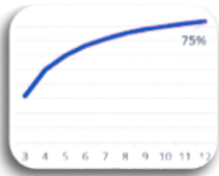
#### Dynamic Scaling

Pivot3's HCIBAs automatically detect additional blades and organically merge them in the virtual SAN to present an expanded unified storage pool of IOPs to all clients and virtual servers. Additional compute resources are also made automatically available to all virtual machines.



#### Most Efficient Storage Environment

Proprietary distributed data technology within and across blades ensures exceptional fail-over and yields high storage efficiency, far superior to replication-based redundancy methods. With Pivot3's unique redundancy technology, storage efficiency actually rises with scale.



### HCI PIONEER

#### Innovator of hyper-converged infrastructure since 2003.

- Patent holder for hyper-converged "networked RAID" that stripes data across compute nodes
- FlashCache™ for accelerated write performance
- ElastiCache™ for high performance reads & writes
- All cache optimizations are cluster coherent

#### Large HCI installed base:

1,600 customers  
13,000 appliances in market

#### Pivot3 Patented vSTAC OS

Pivot3 vSTAC™ OS is at the heart of HCI Blade Appliances. Pivot3 vSTAC appliances deliver a virtual storage and compute infrastructure including scale-out, highly available SAN storage resources. They feature scalable, shared storage resources that also integrate fault tolerant virtualized servers without the need for additional physical server hardware.



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## On (1) chassis with 16-blades, Pivot3 HCIBA supports...

Number of VDI task users per blade	Up to 150
Number of virtual desktops for task users supported per chassis; 4 chassis per rack	Up to 2,250 /ch. Up to 9,000/rack
Processing: total cores per chassis: 16 blades x 2 CPUs x 10 cores	Up to 320 cores
Drives: 2 x SSDs per blade	3.2TB per blade
Data for Pivot3 hyper-converged infrastructure blade appliance based on (15+1) Dell® M620™ single-height blade servers in a M1000e™ chassis.	

### Pivot3 Hyper-convergence on Blades:

- Low cost per virtual desktop
- High density = Space savings
- Dynamic linear scaling
- Higher manageability
- Built-in data security
- Mobility enabled

