

WHY PIVOT3?

TOP 10 REASONS TO MODERNIZE YOUR DATACENTER WITH THE POWER OF 3

A successful implementation of hyperconverged infrastructure (HCI) solutions largely depends on its underlying architecture and whether it can deliver the right combination of performance, scale and efficiency. While the first generation of HCI simplified IT operations for a limited number of applications, it was not designed to support multiple, mixed workloads, deliver predictable performance, or automate resource management to meet modern business demands. Pivot3 is ushering the next generation of hyperconvergence with solutions that are performance-architected, priority-aware, and policy based. Fast, simple, smart. That's the power of 3.

What Makes Pivot3 Different?

1. Advanced Quality of Service

Pivot3's fifth generation quality of service (QoS) engine enables IT to confidently consolidate multiple mixed workloads on a single infrastructure and deliver guaranteed, predictable application performance. Simple, pre-defined policies ensure IOPs, throughput, latency and data protection are all easily applied and managed. Through automated resource prioritization, mission-critical applications take performance priority during times of resource contention and real-time data management ensures the performance targets are automatically sustained, giving IT the confidence to guarantee service for existing and newly deployed workloads.

2. NVMe PCIe Flash Performance

Pivot3's advanced QoS engine is not only policy-based and priority-aware, it leverages low latency NVMe PCIe flash to deliver breakthrough performance to critical applications. With the addition of NVMe PCIe flash in Pivot3's HCI Accelerator nodes, organizations can consolidate performance- and latency-sensitive applications onto HCI at a rate that is 450-percent faster than SATA SSD and 119-percent faster than SAS SSD.

3. Multi-Tier Architecture with Read and Write Caching

Pivot3 uses NVMe PCIe Flash, Memory and SSD caching for both reads and writes, delivering industry-leading performance to your applications. Simple, pre-defined policies automatically manage data placement and prioritization in real-time, ensuring that your applications get greater levels of performance and lower latencies for an agile, high-performance datacenter infrastructure.

4. Simple, Policy-Based Management

Policy-based management ensures that all applications get storage, compute and network resources they require, without constant and complex application rebalancing.

5. Storage Resource Aggregation

Pivot3 creates an aggregated pool of storage resources to ensure that every drive in every node contributes to the performance of every storage volume, delivering better performance, smaller datacenter footprints and lower CAPEX and OPEX.

6. Predictive, Linear Scalability

By scaling predictably and linearly, Pivot3 customers can accurately and efficiently forecast future infrastructure growth. This allows a customer to move away from the traditional five-year infrastructure forecasting for growth and move to a “just in time” provisioning model. Customers have the choice between OPEX or CAPEX growth models to further align forecasts to financial modeling.

7. Patented Erasure Coding

Pivot3’s patented erasure coding yields up to 90% storage efficiency, far more than traditional replication or RAID based solutions. Greater storage efficiency means a smaller datacenter footprint and a reduction in CAPEX and OPEX.

8. In-Line Data Services vs. Post Data Services

By delivering data services in-line, Pivot3 gives system resource priority to your applications. With more available resources, Pivot3 customers can achieve a greater VM density and reduce the number of nodes required in the datacenter. Other HCI solutions use post-process dedupe, which consumes system resources after the data hits the disk. Pivot3 immediately begins data-reduction as it is ingested into the system, with zero overhead.

9. Flexible and Seamless Integration with Existing Servers and Storage

Pivot3 eliminates rip-and-replace concerns by integrating through standard iSCSI storage presentations, which enables easier HCI adoption. This also extends the ROI of existing server and storage systems and gives customers the choice of how to scale their datacenter infrastructure.

10. Centralized Management via Deep vSphere Integration

By working through a single common interface, Pivot3 enables simple infrastructure management through a well-known and familiar management interface, saving the IT Administrator time when first deploying the HCI solution.

About Pivot3

Pivot3 improves the simplicity and economics of the enterprise datacenter with industry-leading hyperconverged infrastructure technology. By combining storage, compute, and networking on commodity hardware, Pivot3 provides software-defined platforms that let IT run multiple, mixed application workloads on a single infrastructure while guaranteeing performance to the applications that matter most. Pivot3’s agile infrastructure solutions extend performance, scale and efficiency across more of the datacenter so customers can keep pace with the demands of modern business. With over 2,400 customers in 54 countries and 18,000 hyperconverged deployments in multiple industries such as healthcare, government, transportation, security, entertainment, education, gaming and retail, Pivot3 is redefining HCI with smarter infrastructure solutions.

For more information, visit Pivot3.com

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