Datacenter Modernization

Modernizing your datacenter with smarter infrastructure solutions from Pivot3

PIVOT3 KEY ADVANTAGES

Accelerated Performance
Up to 9X the performance of traditional HCI solutions

Simplified Management
Intelligent policy-based automation

Reduced Footprint
Up to 3X more VMs per node for increased density

On-demand Scalability
Storage, IO capacity and bandwidth are seamlessly scaled out with each added node

Always-on Availability
Advanced fault tolerance and data protection mitigates risk from node and component failures

With data playing an increasingly central role in informing business decisions, datacenters are becoming innovation-driven profit centers. Datacenter modernization has become a key IT initiative for many enterprises. Modernizing your datacenter used to simply mean lowering costs and footprint by virtualizing your servers. With virtualization firmly embedded in every datacenter DNA now, and as organizations grow increasingly dependent on their digital assets and IT processes to run day-to-day aspects of their businesses, IT has become strategic in driving business success. Today, modernizing your datacenter means being more agile and more productive to efficiently support new business initiatives such as cloud computing, end user mobility, big data analytics, business continuity, and DevOps. Enterprises are adopting software-defined approaches to simplify their infrastructure and IT processes to support these new realities.

In order to move towards a software-defined datacenter (SDDC), IT organizations must standardize, consolidate and automate their datacenter processes and underlying infrastructure. This includes transitioning to industry-standard hardware with open-standard protocols and integrated management and orchestration; consolidating workloads and applications on common shared infrastructure; and integrating and automating various provisioning, performance management and orchestration workflows though customizable software-defined controls. Traditional infrastructure lacks the software-defined policy-based management tools that facilitate automation, is unable to meet the performance needs of large diverse consolidated environments, and is often based on non-standard non-extensible technologies that further add to complexity. As such, the traditional approach is fundamentally inadequate for today's highly virtualized and dense datacenter architectures, and impedes the transition to a modern SDDC.

Pivot3 HCI: Smarter foundation for your SDDC

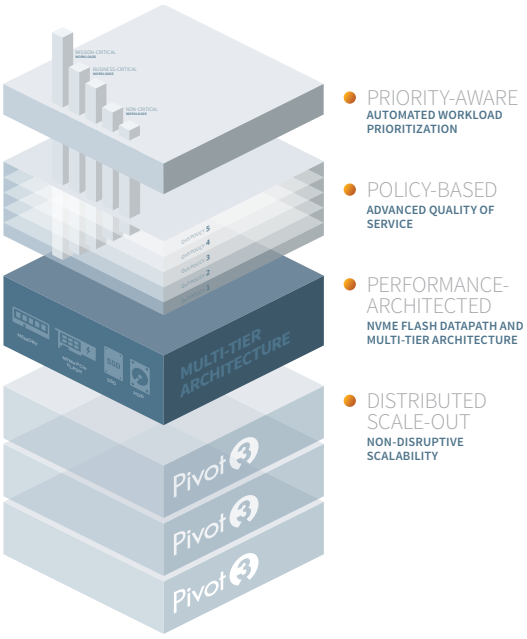
Hyperconverged infrastructure (HCI) has the potential to provide the modular industry-standard infrastructure foundation for your SDDC. Pivot3 HCI, with its distributed scale-out architecture, patented erasure coding (EC), rich data services, and policy-based priority-aware quality of service (QoS) coupled with NVMe flash acceleration, provides a high-performance, scalable and cost-effective foundation for your SDDC. With Pivot3 HCI, you can confidently consolidate multiple-mixed workloads on a modular software-defined platform, automate workload management for performance and data protection/placement, reduce total footprint with increased VM-density, and get predictive, non-disruptive on-demand petabyte scalability.

Policy-based, Priority-aware Infrastructure

Automating cumbersome datacenter processes with a policy-based approach is a critical element of datacenter modernization. Policy-based automation helps IT teams become more agile in how they manage infrastructure and applications, while quickly responding to changing business needs. Pivot3's Acuity HCI software platform features an advanced QoS engine that is both policy-based and priority-aware. These capabilities enable IT to categorize workloads to align with business objectives

and ensure guaranteed performance SLA compliance without manual intervention. In addition to providing extensive support for standards-based third party technologies and tools that enable modern cloud capabilities, the Pivot3 platform provides an agile, policy-based software-defined infrastructure foundation for predictably consolidating workloads of mixed characteristics.

POLICY-BASED HYPERCONVERGED FOUNDATION FOR MIXED WORKLOADS AND PRIVATE CLOUDS



Architected for Scale and Performance

Most consolidation and modernization projects are executed in phases, so it is critically important that the underlying platform scales predictably and performs seamlessly at any scale. Pivot3's distributed scale-out architecture is ideally suited for these scenarios as the architecture aggregates all resources—storage, compute, bandwidth and distributed cache—to form a unified resource pool. As new nodes are added to an existing cluster, storage capacity, IO capacity and bandwidth available to applications scale seamlessly. Multiple Pivot3 clusters can be managed from a single management interface, ensuring manageability at scale. Pivot3 Acuity is powered by a multi-tier storage architecture, leveraging NVMe PCIe flash, RAM, SSD and HDD storage tiers to deliver superior and predictable performance cost-effectively. With Pivot3, predictable consolidation of latency sensitive applications on HCI is now possible.

Market Leading Efficiency and Simplicity

With stagnant or declining IT budgets and environmental mandates, reducing IT footprint has become a top priority for many enterprises. Pivot3 helps reduce total cost and footprint by consolidating up to 3X the VMs per node than alternatives while delivering up to 6X performance. Pivot3 solutions are also operationally flexible and efficient, slashing administrative overhead and boosting IT productivity with its simple deployment and policy-based management. Additionally, Pivot3's patented EC enables up to 82% usable capacity. Further, rich data services that include data reduction technologies, thin provisioning, and space efficient snapshots and clones reduce capacity requirements. Pivot3 HCI solutions also integrate with your existing infrastructure by standards-based iSCSI access, and they fit seamlessly into your datacenter management practices and cloud delivery frameworks with integrated management and monitoring capabilities with VMware and third-party tools.

Non-Stop Availability and Resiliency

As you consolidate your IT assets on a software-defined shared platform, the reliability and availability of that platform are key to ensuring non-stop service delivery. Pivot3 HCI solutions have been battle tested in the most demanding environments where downtime can have catastrophic consequences. Pivot3 patented EC delivers outstanding resiliency by protecting the infrastructure from node and component failures while maximizing the performance and minimizing capacity overhead of protection. Pivot3's EC maintains performance during degraded mode conditions to sustain seamless business operations. Native space-efficient snapshots and clones, in conjunction with data protection QoS, let IT administrators schedule protection policies that are optimized for their specific environments. Pivot3 solutions are also optimized to work with leading replication and disaster recovery (DR) vendors including Zerto, Veeam and CommVault, allowing you to choose the DR and cloud mobility solution that meets your needs.

Modern Infrastructure for Your SDDC

Pivot3's combination of NVMe flash-optimized architecture, patented erasure coding, and policy-based quality of service, provide a simple, scalable, software-defined foundation for organizations of all sizes. And now with Acuity, customers can confidently and predictably consolidate mixed workloads on a single platform while enabling modern automation and agile cloud workflows.

For more information, visit Pivot3.com