Simplify Operations and Increase Agility with HPE–Cohesity dHCI

Key Benefits

- 15 minutes rack-to-apps self-installation[2]
- Designed for 99.9999% data availability[3]
- Zero wasted resources[4]
- 10X faster application performance[5]
- 5X greater efficiency for better economics compared to traditional HCI models[6]
- 4X more reliable for business-critical applications[7]
- Up to 98% faster data recovery, 80% reduction in staff hours and 90% lower TCO[8]

Enterprises looking to speed IT modernization strategies have increasingly embraced hyperconverged infrastructure (HCI) as the optimal way to reduce data center complexity and improve scalability. By 2023, Gartner expects 70% of enterprises to be running some form of HCI.[1] And although IT teams have successfully leveraged HCI for many general-purpose workloads, it hasn't been an ideal solution for most business-critical or edge applications. These are typically more demanding, mixed workloads requiring fast, consistent performance, higher availability and resiliency, and even protection in the smallest footprints—at scale. That's where disaggregated HCI (dHCI) excels.

Proven industry leaders and technology partners Hewlett Packard Enterprise (HPE) and Cohesity are first to market with a jointly validated, end-to-end dHCI solution that addresses every virtual machine (VM) and workload from data centers to multicloud to the edge. It's all of the benefits of HCI without the limitations. Together, the HPE–Cohesity solution is one, integrated dHCI platform with built-in data protection and unified file and object services that is easy to use, highly reliable and scales efficiently.

Cohesity-HPE dHCI Architecture

How Cohesity is integrated with HPE dHCI

- **Compute** on HPE ProLiant

- **Storage** on HPE Nimble Storage

- **Data protection** on Cohesty data management software running on certified HPE Apollo and ProLiant servers

Support for a variety of hypervisors

Snapshot integration with Nimble Storage

Compatible with a variety of disk-based and all-flash HPE nodes

Figure 1: Intelligently simple Cohesity–HPE dHCI solution delivers resiliency and scale for even the most demanding apps

1. Competitive Landscape: Hyperconverged Integrated Systems," Gartner Inc., G00728401, Oct 2020
2. 4. ESG Technical Validation—Extending the Hyperconverged Experience to Workloads with Unpredictable Growth, June 2019
3. 5. 7. h20195.www2.hpe.com/v2/getdocument.aspx?docname=a00026086enw
7. Efficiency at any scale through HPE Store More Guarantee
8. www.cohesity.com/

More Efficient Together: HPE dHCI with Cohesity

Modern solutions must keep pace with the dynamic nature of digital business. For business-critical or demanding workloads, traditional HCI solutions introduce risk to an organization due to inconsistent and highly variable latency performance. Moreover, continuously changing markets now require leaders to invest in flexible infrastructure that IT can use to quickly adapt. The joint HPE–Cohesity dHCI solution is intelligently simple. With 15-minute, rack-to-app self-installation, it delivers 10X faster application performance while being 4X more reliable for business-critical applications. In contrast to costly, linear and fixed-scaling HCI that results in overprovisioning and wasted resources, the modern HPE–Cohesity dHCI solution scales efficiently—allowing for compute and storage resources to be sized optimally—resulting in 5X greater efficiency for better economics compared to traditional HCI models.

Less Complexity, More Business Value

Timely, data-driven decisions empower companies to differentiate. Organizations unable to take advantage of all of their data, due to mass data fragmentation, are at a disadvantage when it comes to data reuse. The comprehensive, seamlessly integrated HPE–Cohesity dHCI solution is a single end-to-end platform with built-in data protection and file and object services that eliminates IT complexity while improving workload performance, resiliency and scalability. With it, organizations can deploy applications faster and where they make the most sense—core, multicloud or edge—and ensure all data is visible and can be reused to uncover insights for business value, without creating more data silos.

Cohesity alone has already proven to deliver up to 98% faster data recovery and up to 80% reduction in staff hours while lowering TCO by up to 90%. Cohesity combined with HPE dHCI proves to be a compelling proposition for organizations looking to extend the value of HCI to more applications and workloads without compromises and trade offs.

Why HPE–Cohesity for dHCI?

Conveniently integrated solution with high ROI at low TCO	Pre-configured and jointly validated disk-based and all-flash hardware and software options in varying capacities (e.g., S, M, L, XL and All-flash) for easy procurement and installation with greater data reduction and without stranded capacity • Compute on HPE ProLiant servers • Storage on HPE Nimble Storage • Data protection plus file and object services with Cohesity data management software running on certified HPE Apollo or ProLiant servers
Limitless, independent scaling—in minutes	Independent scaling of compute (performance) and storage (capacity) resources for efficient and cost-effective expansion
Highly efficient for demanding and mixed workloads	• 99.9999% measured data availability, guaranteed[4] • As low as 200 microsecond data response time and automatic QoS[4] • Ability to withstand three (3) simultaneous drive failures with no performance impact
Intelligent, simplified data management	• Built-in data protection as well as file and object services that simplify and speed data management while allowing enterprises to unlock value from all of their data • AI-driven intelligence for VM-level insights and centralized visibility from HPE InfoSight • Policy-based automation and predictive analytics from Cohesity
Tightly integrated for flexibility and choice	• Support for a variety of hypervisors (VMware vSphere, Microsoft Hyper-V, RHEL, KVM) • Native snapshot integration with HPE Nimble Storage for reduced VM stun and more efficient VM backups • Compatible with a wide variety of HPE Apollo and ProLiant servers • Choice of consumption options to suit every need (CapEx purchase or OpEx through HPE GreenLake)

Learn more at www.cohesity.com/hpe and hpe.com/storage/dhci

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