

WE GET HYPERCONVERGENCE.

For seamless data center migrations,
you need IT Orchestration by CDW®.

Whether supporting production data or next-generation backup workloads, hyperconverged solutions make implementing a private cloud simple, scalable and economical.

Hyperconvergence helps you achieve:



Easier
Automation



IT Agility



Operational
Efficiency

Orchestrating the Right Solution

As organizations plan for hyperconverged solution adoption, CDW can guide you with best practices to facilitate a smooth transition from legacy infrastructure. It is critical to understand the characteristics of workloads you plan to run on hyperconverged infrastructure.

Once an organization understands its hyperconvergence requirements, each available solution should be evaluated against those requirements. While all hyperconverged solutions offer the core benefits of a shared resource pool, agile scalability, cost-efficiency and data protection, they differ in the way benefits are delivered.

After selecting a hyperconverged solution, begin to plan the implementation before purchasing and installing hardware. Many organizations begin hyperconverged deployments with a carefully selected pilot project. Consider the following criteria when running this pilot prior to adoption:

- There should be immediate performance or capacity benefits that demonstrate value to end users and success is anticipated.
- The service owner is supportive of the migration.
- End users are tolerant of some disruption of service availability.

Through planning and implementation, consider turning to a vendor, such as CDW, with experience that will help along each step of your journey to hyperconvergence.



Assess

CDW experts will help you evaluate your current environment, along with health checks, IT consulting and other data mitigation assessments.



Design

CDW will help you find the technologies that work best for your organization and the goals you set out to achieve.



Deploy

From hardware, racks and servers to data migration, asset tagging and tracking, CDW will be there to ensure your deployment runs smoothly.



Manage

Monitoring, maintenance, reporting and incident management are crucial to a healthy data center. CDW's managed services team is there to help.

Customer Success Story

Organizations across multiple industries can benefit from hyperconvergence.

HEALTHCARE: When Steinberg Diagnostic Medical Imaging, a healthcare company in Nevada, found its IT infrastructure no longer allowed them to provide excellent service, it implemented a VxRail HCI appliance from Dell EMC. The solution simplified IT administration, lowered costs, and improved performance by 50 percent, enabling the company to deliver its vision.

RETAIL: Jiffy Lube operates 550 automotive oil change locations in the U.S. and was having trouble managing its diverse data center infrastructure. By adopting a software-defined environment with hyperconverged appliances from Lenovo and cloud platform software from Nutanix, Jiffy Lube increased reliability and saved nearly \$100k in capital costs.

GOVERNMENT: When the city of Redmond, Wash., sought to refresh its IT infrastructure, it looked for an innovative solution to improve performance and reliability. The city deployed a Nutanix platform and secondary system for data replication, which simplified management, improved performance and enabled better scalability.



Why CDW

With more than 20 years of experience in data center design, top-level partner designations with all the major data center technology providers and more than 200 certified technical pre-sales resources, we can help you identify the right infrastructure solution.

- Implementation and Managed services available for most solutions
- Access to demo labs and testing facilities
- Early access to partner roadmaps to future proof your data center

Hyperconvergence

IT is always asked to do more with less staff and resources. With the pace of change in technology, and increasing complexity, organizations are spending too much time just keeping the lights on. Hyperconvergence simplifies management, scales efficiently and allows your staff to spend less time maintaining systems and more time delivering value.

Business Priority	Solution
Scalability and Flexibility	Meet changing IT resource business demands by shifting resources between workloads on a just-in-time basis.
Quick Deployment	Rapidly deploy additional storage and computing in proportion to business workload demands.
Data Protection	Enable management of data protection across the entire infrastructure vs. server by server.
Workload Mobility	Simplify migration of IT applications and workloads across platforms
High Availability	Improve fault tolerance by adding a layer of high availability.
Data Efficiency	Seamlessly shift data between storage media to balance performance and cost.
Cost Reduction	Eliminate need for dramatic overprovisioning by purchasing additional capacity as needed.

Partners Who Get IT



COHESITY

COMMVault



Hewlett Packard Enterprise

NUTANIX



Checklist of Questions

When evaluating a hyperconverged solution, consider the following:

- **Does the solution support a single operating system, or can organizations run multiple guest OSs on the same platform if this is required?** While VMware is widely supported, if there is a requirement to run non-standard operating systems, it's important to know that in advance as it can limit HCI choices.
- **What flexibility does the solution provide in terms of hardware modules?** HCI often works best if requirements can be standardized, but solutions from Nutanix, Dell, HPE and Cisco now all have the ability to flex to be more dense in compute or storage as needed to tailor the solution for the needs of your applications.
- **Does the solution support commodity hardware, or must hardware be purchased from the HCI vendor?** Modern HCI solutions like VMware VSAN or Nutanix can be delivered as "software only" and run on any compatible hardware.
- **Does the solution offer storage capacity only to services running in the HCI environment, or is the storage accessible to other data center services?** Usually HCI is thought as a self-contained "private cloud" but some solutions allow you to share storage to other servers, our solution architect can help if this is a desired capability.

To learn more about hyperconvergence, contact your CDW account manager at 800.800.4239 or visit CDW.com/Datacenter.