

6 Use Cases for Hyperconverged Infrastructure

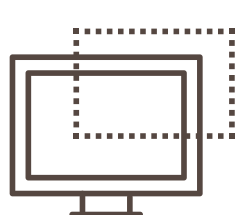
Our multiplatform and multicloud world requires solutions that can easily scale and flex.

Enter: Hyperconverged Infrastructure (HCI)

HCI offers the agility of public cloud and the control of on-premises deployments, combining virtualized compute, storage, and networking.



Should you consider HCI for your business? And, if so, when? These six use cases can help guide your decision-making process.¹

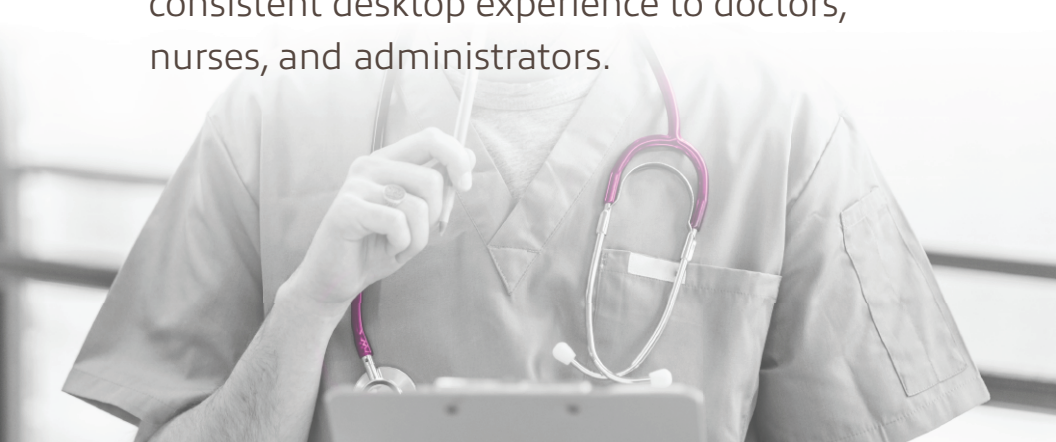


#1 Virtual Desktop Infrastructure (VDI)

HCI lets you start VDI initiatives with low upfront costs, consistent performance, and predictable scaling.

Real-world example:

A healthcare provider seeking a secure desktop solution could use HCI to deliver a consistent desktop experience to doctors, nurses, and administrators.

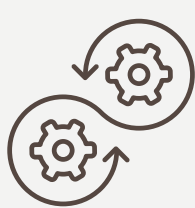


#2 Server virtualization

HCI reduces the operational complexity of traditional server virtualization environments, eliminating the need for IT teams to develop separate approaches to compute, storage, and networking.

Real-world example:

A retailer that experiences seasonal fluctuations might reallocate virtual server resources to meet changing demands, adding focused compute and storage capacity.



#3 Testing and development

HCI lets developers provision their own resources on an agile basis, reconfigure virtualized hardware as they iterate through frequent code revisions, and leverage instant cloning and snapshot capabilities.

Real-world example:

A manufacturer may use HCI to support development and testing of new applications for “smart” or connected approaches to improving analytics or finding quick supply chain solutions.



#4 Databases

HCI all-flash storage systems are an increasingly popular and cost-effective solution that makes use of high-speed Solid-State Drives (SSDs) locally attached to virtual hosts or servers.²

Real-world example:

A nonprofit research organization can leverage HCI solutions for database deployments and the applications that use them, to reduce their storage footprint and optimize storage costs.



#5 Large, remote branch offices

HCI enables organizations that are global and/or growing to deploy hardware where it is needed, while managing it from a central location.

Real-world example:

A college or university could deploy HCI to meet the computing needs of branch campuses, supported by the IT team on the main campus.



#6 Enabling hybrid cloud

HCI environments simplify hybrid cloud deployment and management. HCI lets you automate and orchestrate infrastructure or components like APIs that provide programmability going to/from public cloud locations.

Real-world example:

A financial services company can use HCI as a foundation for hybrid cloud as they look to extend existing and introduce new delivery platforms to support growth.³

Keep exploring

Want to find out if HCI is the right choice for your business? Learn more with these resources or **contact us** to discuss your IT concerns with an expert.



BLOG
The Definitive Guide to HCI



VIDEO
Converged and Hyperconverged Infrastructure



VIDEO
How to Leverage HCI



Speak with an expert about HCI

Sources:

- ¹ Singh, Rupinder. (2019, Apr. 1). Hyperconverged Infrastructure: Your Data Center for Today and Tomorrow. Cisco Canada Blog.
- ² Cisco. (2017). Hyperconvergence for Databases.
- ³ VMware. (2018). Less Hardware. More Software. The Key to Modernizing the Financial Services Data Center.