



Data Protection: Cisco HyperFlex Systems

In today's competitive economy, you need your applications to run even if you experience system failures. That's why companies are turning to Cisco HyperFlex™ Systems and the Cisco HyperFlex HX Data Platform. This innovative solution identifies and proactively remediates hardware failures and alerts your IT administrators so that problems can be resolved quickly and your business can continue to operate.

You probably use third-party solutions to protect your existing systems. Cisco HyperFlex Systems are designed with data protection capabilities in mind, and they integrate with a robust ecosystem of industry-leading data protection solutions. You can deploy hyperconverged infrastructure, integrate your best practices, and extend your preferred data protection approach to your applications and data.



Cisco HyperFlex™ Systems with Intel® Xeon® Processors

Benefits

- **Business continuity.** Deploy Cisco HyperFlex™ Systems and help ensure that your systems, applications, and data remain available so that your business can continue to operate.
- **Easy and safe backups.** Make frequent backups of important data without worrying about your use of physical storage capacity.
- **Flexibility and choice.** Use familiar data protection software solutions and extend their benefits to your hyperconverged systems.

High Availability

A foundational component of Cisco HyperFlex Systems, the HX Data Platform is a purpose-built, high-performance distributed file system. It provides clusterwide parallel data distribution that implements data replication for high availability, and it delivers high performance through the low latency and high bandwidth of the Cisco Unified Computing System™ (Cisco UCS®) network fabric. With this distributed storage technology, your data is striped and mirrored across all nodes and many disks, enabling the system to continue to operate in the event of a node or disk failure (Figure 1).

Instant Snapshots

The HX Data Platform uses metadata-based, zero-copy snapshots to facilitate backup operations. These space-efficient snapshots provide an excellent way to make frequent online backups of data without worrying about the consumption of physical storage capacity. Data can be moved offline or restored from snapshots instantaneously. Because Cisco HyperFlex Systems are integrated with VMware vSphere and vCenter, HX Data Platform snapshots can be controlled with vSphere Snapshot Manager using the native vSphere interface.

Extensive Partner Ecosystem

Cisco partners with leading vendors, such as Veeam, Commvault, and Zerto, to provide innovative data protection solutions. Our solutions also work with third-party hypervisor-based solutions so that you can protect your investments and simplify your training effort as you integrate hyperconverged systems into your existing IT infrastructure.

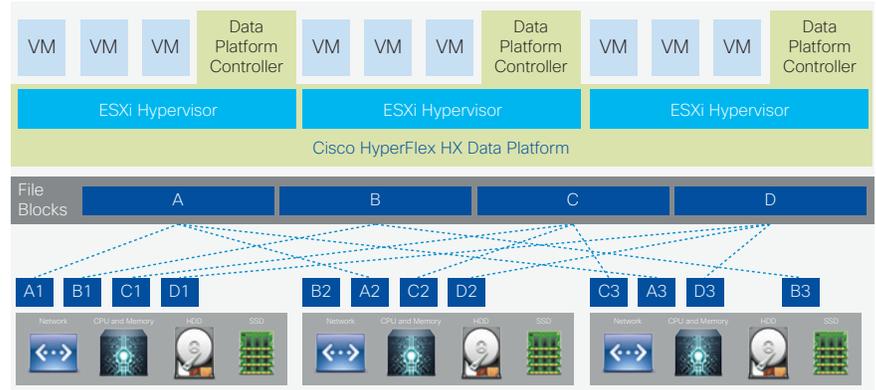


Figure 1 Cisco HyperFlex Systems Provide Data Availability Using the Cisco HyperFlex HX Data Platform

VMware

Cisco HyperFlex Systems integrate with VMware vSphere and can be managed through VMware vCenter, giving you access to VMware Data Protection and vSphere Replication to protect and replicate data across sites. And you can use vCenter Site Recovery Manager to test and automate disaster-recovery plans for your hyperconverged deployment, helping ensure reliable recovery processes across data centers in the event of a site failure.

Veeam

Veeam Availability Software complements Cisco HyperFlex Systems, delivering data availability, protection, and disaster recovery for virtualized environments. With efficient virtual machine backup and replication, you can dramatically reduce your recovery time objective (RTO) and recovery point objective (RPO) metrics and achieve an RTO of less than 15 minutes for your applications and data.

Commvault

Commvault provides a data management solution for your Cisco HyperFlex Systems with application-aware data protection, virtual machine and cloud management, compliance enforcement, data retention management, and search and disaster-recovery capabilities.

Zerto

Zerto Virtual Replication provides resiliency, data protection, and disaster-recovery capabilities so that your applications remain available to users. The hardware and software can be managed from VMware vCenter to simplify operations, and together can scale your business continuity and orchestrate your disaster-recovery plans as your business and infrastructure grow.

For More Information

For more information about Cisco HyperFlex Systems with Intel Xeon processors, visit <http://www.cisco.com/go/hyperflex>.



Next Steps

Call your Cisco® sales representative or authorized partner to find out how Cisco HyperFlex Systems can help you protect your most valuable assets: your business data.