

# Hyperconverged Infrastructure (HCI)

Leverage the simplicity and cost benefits of HCI combined with unmatched flexibility and data services

## Benefits

- **Free choice of hardware** and hypervisor to avoid vendor lock-in
- **Allows for high VM density** on HCI nodes
- **Reduce total cost of ownership** for data storage
- **Independently scale compute and storage**, and expand granularly
- **Leverage external storage** for HCI clusters
- **Serve HCI storage** to non-HCI applications
- **Flexibility to change deployment** without any impact to the applications

In today's evolving technology landscape, managing different layers of the IT infrastructure is often complex and expensive and may require specialized skillsets for daily operations. With HCI, it is possible to merge the compute and storage layers of the IT stack into the simple form factor of x86 servers. This drives down costs drastically and simplifies administration.

**DataCore SANsymphony** software allows you to build a cost-efficient HCI cluster based on your choice of components (server, hypervisor, CPU, RAM, network, SSDs, HDDs) and vendors. You can run your HCI platform on its own or seamlessly integrate it into your broader storage infrastructure, while simplifying management under a single platform.

Powered by advanced block-level storage virtualization technology, SANsymphony provides ultimate flexibility to control how you store, protect, and access data. It also ensures high availability with just two nodes, easily scaling out to 64 nodes, and lets you achieve greater productivity for performance-demanding workloads by improving I/O processing and reducing read/write latency.

You can maximize storage efficiency through inline deduplication and compression of data. When combined with automated tiering, this not only ensures optimal performance for frequently accessed 'hot' data, but also conserves space by minimizing the footprint for seldom-used 'cold' data.



**Full-Featured with  
Just 2 Nodes**



**Scale Out & Scale Up  
As Needed**



**Runs with Any  
x86 Hardware**



**Comprehensive  
Data Services**

## Unmatched Flexibility for HCI

“Most hyperconverged products place restrictions on the hardware or hypervisors that your business can choose. **SANsymphony gives you the freedom to deploy and grow your hyperconverged infrastructure the way you want.**”

Analyst, Services Industry - Gartner PeerInsights

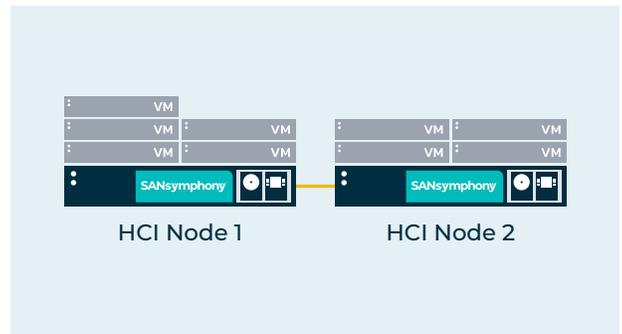
## Key Use Cases

### Small Data Center

Being fully functional with just two nodes and supporting high VM density, SANsymphony-based HCI is well-suited for small data centers with high availability requirements.

Standard x86 servers can be customized into HCI nodes without separate storage and network needs. Start small and scale cost-effectively as needed (up to 64 nodes).

Additionally, SANsymphony allows you to leverage external storage for HCI, and serve HCI storage to non-HCI applications.

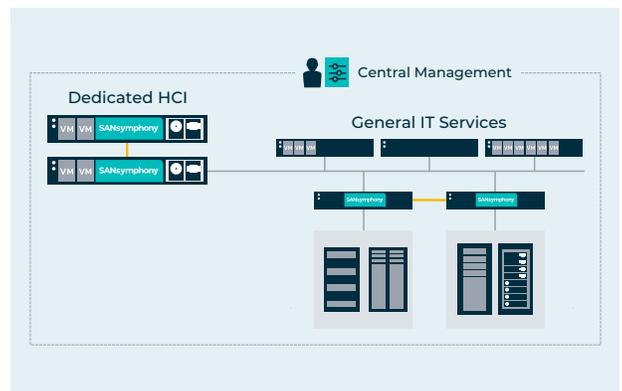


### Dedicated Application Cluster

SANsymphony's deployment flexibility enables dedicated HCI clusters to be tailored for specific use cases:

- Meet compliance objectives
- Save on license cost of applications
- Ensure QoS levels
- Achieve lower TCO with smaller hardware footprint

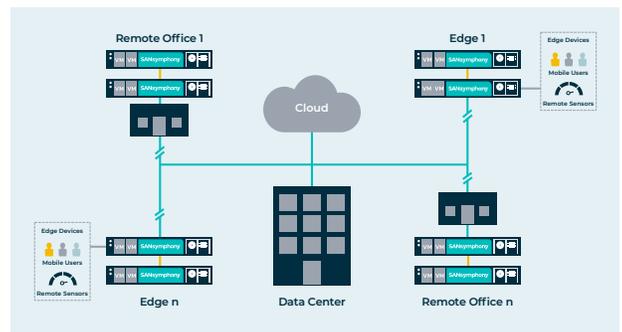
These distinct HCI clusters operate autonomously, and yet integrate seamlessly with the primary data center, ensuring uniform data services, streamlined management, and data mobility.



### Edge & ROBO

Deployable with a very small footprint on just two HCI nodes makes SANsymphony-powered HCI highly efficient for edge and ROBO locations.

Data can be processed locally and then asynchronously replicated to other SANsymphony instances in the core data center and the cloud. You can manage storage uniformly across all locations, even as HCI nodes operate independently across distributed sites.



## Why Choose DataCore For HCI

DataCore helps customize your hyperconverged deployment with greater flexibility than any other HCI solution. Whether it is leveraging existing assets, a remote outpost, or a dedicated extension of your current data center, **SANsymphony** readily adapts to your unique situation.

If you are weighing the differences between HCI and centralized SANs, feeling uncomfortable about the trade-offs and the stark differences, we will craft a hybrid configuration that gives you the best of both worlds. SANsymphony solutions incorporate assets you already have in place to reduce the cost, time, and effort for a successful HCI rollout.



### Discover the Ultimate Flexibility of DataCore Software

DataCore Software delivers the industry's most flexible, intelligent, and powerful software-defined storage solutions for the core, edge, and cloud. With a comprehensive product suite, intellectual property portfolio, and unrivaled experience in storage virtualization and advanced data services, DataCore has helped over 10,000 customers worldwide modernize how they store, protect, and access data. [www.datacore.com](http://www.datacore.com)