Microsoft Hyper-Converged Appliance is the Prescription from Legacy SAN Ailments

Healthcare Medications Firm, Mission Pharmacal Solved Performance and Budgetary Concern with a Healthy Dose of Storage Spaces from DataON

The Challenge

The Company was looking for a Microsoft certified storage platform with fail-over cluster that runs Hyper-V that is a combination of performance and reliability for guaranteed Microsoft enterprise application availability.

The Solution

DataON Cluster-in-a-Box (CiB) Hyper-Converged platform delivering highly-available services and shared storage in an energy saving and condensed footprint.

The Benefits

- Easy deployment and simple setup
- Cost 50% less than competitors
- Able to manage all virtualized VM on a single box
- Consolidation and reduced footprint from 16U to 8U

Customer Background and Needs:

For nearly seven decades Mission Pharmacal Company has been delivering prescription, over-the-counter, and dietary supplements to fulfill unmet healthcare needs at every stage of life. The company first learned about DataON products while participating in a Microsoft Hyper-V/Clustering training session and were thrilled with their ROI. Prior to the infrastructure change, the company ran Microsoft Hyper-V with SAN infrastructure from Tier 1 storage vendors. When they decided to upgrade the companies, IT infrastructure deployed across (2) data centers supporting 700 users connected to 50 virtualized Hyper-V servers.

The company began by looking for a Microsoft certified storage platform with fail-over cluster running Hyper-V while combining the performance and reliability for guaranteed Microsoft enterprise application availability. The Company was looking for something that has an easy deployment and scalable Hyper-Converged appliance that contains a predictable workload and failover capability, with reduced costs and delivers improved performance without dramatically increasing the IT budget.

The Solution:

DataON Hardware Appliance For Shared Storage to Optimize Scalability

DataON Microsoft Hyper-Converged Cluster-in-a-Box (CiB) storage platform engineered from the ground up to scale highly-available compute and shared storage services optimized predicable scalability as a turnkey configuration.

Customer Benefits:

According to Mission Pharmacal the deployment experience was easy and simple to setup, and they could see a huge increase in performance compared to the previous solution. By consolidating all the compute and storage in a single Hyper-Converged storage appliance, the overall hardware footprint was reduced from a 16U rack to now less than 8U and the company could manage all virtualize VM on a single box with compute nodes and shared storage. Mission Pharmacal stated, “The CiB’s allowed us to move our infrastructure off-site to the colocations quickly and painlessly.” The space saving also translated to less electricity, cabling and cost of maintenance which had the cost at less than 50% of the competing storage solution thru the procurement evaluation process.
**Solution Components**

**DataON CIB-9224 V12**

**Specifications**
- Hyper-converged dual node Cluster-in-a-Box
- Intel Xeon appliance, up to 144 virtual cores
- Up to 1TB memory; sufficient for 100s of VMs
- 48TB tiered HDD/SSD shared storage capacity
- Zero points of failure: dual domain, dual path

**Qualifications**
- Swift and simplified deployment architecture
- Enables resilient easy to manage storage topology
- Pay-as-you-grow with predictable performance
- Scale-out and scale-up with additional appliances
- Increase Microsoft-defined data center efficiency

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**Solution Topology**

DataON CIB-9224: Scale-Out File Server (SOFS) Cluster-in-a-Box

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