

The Premier Publisher of Quick-Reference Materials, Consolidates Its IT



DataON Cluster-in-a-Box (CiB) To Consolidate Their Storage Infrastructure While Being Cost Effective and Supporting Hyper-V Core Implementation

The Challenge

BarCharts needs to consolidate the storage infrastructure while being cost effective and also supporting Hyper-V core implementation with minimum down time.

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 and simple deployment
- Hardware footprint was reduced
- Able to manage all virtualized VM on a single box
- better resiliency and secured fail-overcapability.

Customer Background and Needs:

BarCharts is the premier publisher of quick-reference materials to assist customers worldwide in accomplishing their educational and professional goals. The company started out by running Windows 2008 as its IT infrastructure and consolidate into a single cluster shared storage platform based on Microsoft Windows Server 2012 R2 with the use of Storage Spaces.

The challenge that BarCharts faced was that they needed to consolidate the storage infrastructure while being cost effective and also supporting Hyper-V core implementation with minimum down time. The storage solution needed to be cost-effective as well, highly available scalable and a simpler set up than the clustered shared volume storage solution for virtual application. They also looked for a vendor that focused on deploying Microsoft certified software-defined storage with a Cluster-in-a-Box (CiB) Hyper-Converged platform with good hardware features. They wanted the storage platform to serve as the primary near line storage for exchange and SQL applications supporting 6VM and 3.5TB+ of storage capacity.

The Solution:

DataON Hardware Appliance For Shared Storage in a Condensed Footprint

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

Customer Benefits:

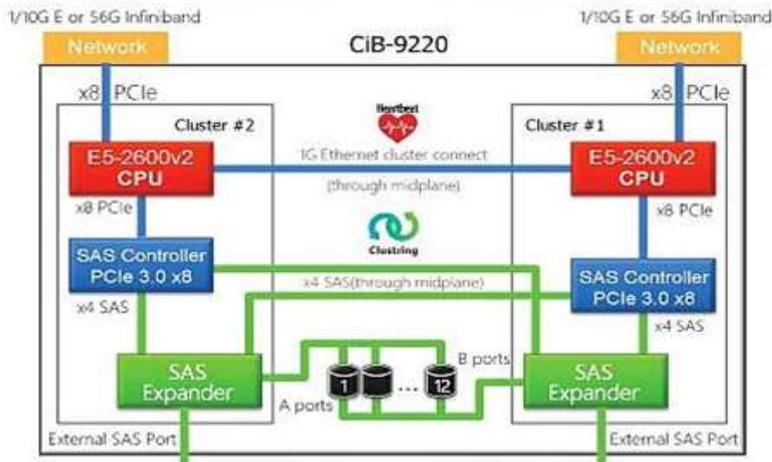
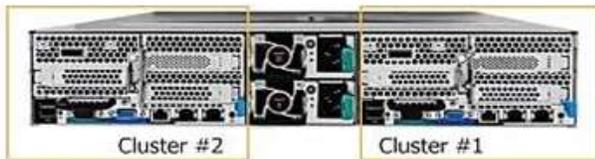
According to BarCharts the deployment experience was easy and simple to setup, and they could see a huge increase in performance compared to the previous solution. By consolidating all the compute and storage in a single Hyper-Converged storage appliance, the overall hardware footprint was reduced to a single 2U system and the company could manage all virutalize VM on a single box with compute nodes and shared storage. The space saving also translated to less electricity, cabling and cost maintenance which had the cost at less than 50% of the competing storage solutions. With one of the key differentiation of the DataON CiB being the internal 10 GbE heart beat connection between the (2) nodes for better resiliency and secured fail-over capability.

Solution Topology



Cluster-in-a-Box
AVAILABILITY • SIMPLICITY • FLEXIBILITY

CiB-9220



Server Node CN-220

Dual Xeon® E5-26xx v2
256GB/128GB DDR3

4 x s842 MLC SSD
800/400/200GB
2.5" SAS MLC SSD

8 x Savvio® 10K.x
1.25TB / 900GB / 600GB
2.5" 10K rpm SAS HDD

Storage Spaces Tier Storage

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