Northeast Security Bank reduces IT operational expenses by adopting hyperconvergence with StarWind HCA

Problem
Before introducing StarWind HyperConverged Appliance (HCA) into its IT infrastructure, Northeast Security Bank had standalone VMware ESXi servers with a disaster recovery (DR) plan based on virtual machines (VMs) manual restoring. It was very clunky since VMs were replicated back and forth from one host to another for redundancy. This could go on for hours, increasing the downtime of the production environment. In addition, every three years, the organization replaced the oldest host by decommissioning it and moving the next oldest host to its DR site. All DR mechanism was overcomplicated provoking low IT infrastructure performance and high TCO costs.

Solution
StarWind provided Northeast Security Bank a highly redundant solution in the event of a single host failure at a great price point. Using StarWind HCA, the organization has an opportunity to do maintenance on a host during the day, without affecting the production environment. Now, the organization’s IT infrastructure runs like clockwork with full redundancy and no downtime issues. Along with this, Northeast Security Bank saved a lot of money, namely 18,000 over 3 years by deploying the StarWind solution. In the future, when the time comes to upgrade its DR site, and/or production site again, the organization will for sure be working with StarWind.

About the Company
Northeast Security Bank is a community bank located in Iowa, USA.

Company Profile
Finance
Contact Person
IT Director

Problem
The organization needed a hyperconverged platform to achieve redundancy if a host failed.

Solution
With StarWind HCA, the organization moves to hyperconvergence and gets an opportunity to do host maintenance all day long without affecting the production environment.

With StarWind, our infrastructure works great right now. The specs of the host are exactly what we needed, without a ton of expense. The software has worked as it should, and the support, when I needed them, has been great.

IT Director

StarWind HyperConverged Appliance Configuration

Appliance Model
HCA P-Spec 4.8

Cluster Size
2 nodes

Cluster density
Formfactor - Tower, 2 x Tower Servers

Servers
Dell PowerEdge T640

CPU
2 x Intel Silver 4210, 2.2Ghz, 10 cores, 20 threads per node

Memory
10 x 32GB RAM, 2400Mhz (320 GB total) per node

Cluster Storage Capacity
4.8 TB of All-Flash storage

Disk Configuration
Dell Perc H740P Adapter w/FH Bracket Controller
6 x Dell 960GB 6Gbps SATA Mix Use TLC 2.5 SSD 5200PRO in 3.5 HYB CAS per node
Dell BOSS Controller Full Height Card with 2 x 480GB M.2 SSD (RAID 1)

Networking
Broadcom 57416 Dual Port 10GbE LOM
Mellanox ConnectX-4 CX4121A Dual Port 25GbE SFP+ Full Height

Hypervisor
VMware ESXi