



**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.

# 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.



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

<b>Appliance Model</b>	<b>HCA P-Spec 4.8</b>
<b>Cluster Size</b>	2 nodes
<b>Cluster density</b>	Formfactor -Tower, 2 x Tower Servers
<b>Servers</b>	Dell PowerEdge T640
<b>CPU</b>	2 x Intel Silver 4210, 2.2Ghz, 10 cores, 20 threads per node
<b>Memory</b>	10 x 32GB RAM, 2400Mhz (320 GB total) per node
<b>Cluster Storage Capacity</b>	4.8 TB of All-Flash storage
<b>Disk Configuration</b>	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 CAR per node Dell BOSS Controller Full Height Card with 2 x 480GB M.2 SSD (RAID 1)
<b>Networking</b>	Broadcom 57416 Dual Port 10GbE LOM Mellanox ConnectX-4 CX4121A Dual Port 25GbE SFP+ Full Height
<b>Hypervisor</b>	VMware ESXi