

Powered by Scale Computing



# HyperConverged Infrastructure



## At a Glance

- A “Datacenter in a Box” that provides a complete virtualization solution in a single appliance
- Monitors all virtual machines to detect and automatically respond to common infrastructure events
- Maintains application availability and simplifies datacenter management
- Built-in redundancy, high availability and resiliency
- Simplified configuration makes it easy to deploy, use, and scale as needed
- Helps improve business processes and productivity
- Offers optional Disaster Recovery as a Service

## Overview

NEC’s HyperConverged Infrastructure (HCI), powered by Scale Computing’s HC3 software, provides a complete virtualization solution for the datacenter in a single appliance and is designed for rapid deployment, ease-of-use, seamless scaling, high performance and cost effectiveness. Residing on NEC’s Express5800/D120h high-density, dual socket modular server, it continuously monitors all virtual machines, both software and hardware components, to detect and automatically respond to common infrastructure events, maintain application availability and simplify datacenter management. As another addition to our portfolio for the smart enterprise, HCI enables architecture flexibility which helps optimize an organization’s resources and services for enhanced business performance.

## Solution

NEC’s HCI is designed to provide operational simplicity through highly intelligent software automation and architecture. By pairing Express5800/D120h server with HC3 software, it creates a single unified and redundant system which results in a flexible and complete “datacenter in a box” that operates as a redundant and elastic “private cloud”.

### Simplicity

The key to the success of NEC’s HCI solution is the ease-of-use. HCI helps eliminate wasteful management tasks that IT datacenter administrators constantly deal with and allows them time to focus on improving business processes instead. The simplicity of NEC’s HCI directly impacts IT with higher productivity and lower costs.

### Availability

Based on simplicity of design, NEC’s HCI is inherently more stable and more highly available than traditional virtualization solutions. Redundancy, high availability, and resiliency are built into NEC’s HCI in every way, including the option of disaster recovery as a service. With NEC’s HCI, both planned and unplanned downtime can be virtually eliminated, creating more confidence with customers both internal and external.

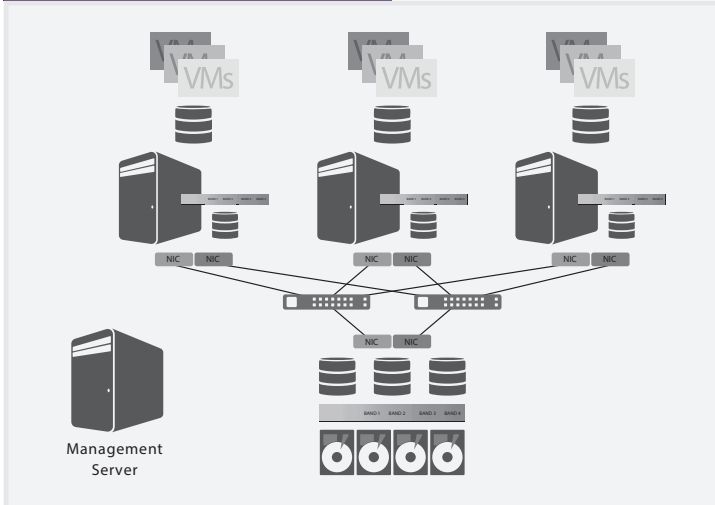
## Scalability

One of the most challenging tasks for IT can be adding capacity to existing infrastructure. With NEC's HCI, the simplicity of design and ease of use allow for seamless scaling of infrastructure. New appliances can be added into a running cluster seamlessly, within minutes, without disruption to any running workloads. Different models and capacities can be used together in nearly any combination to scale out resources as needed.

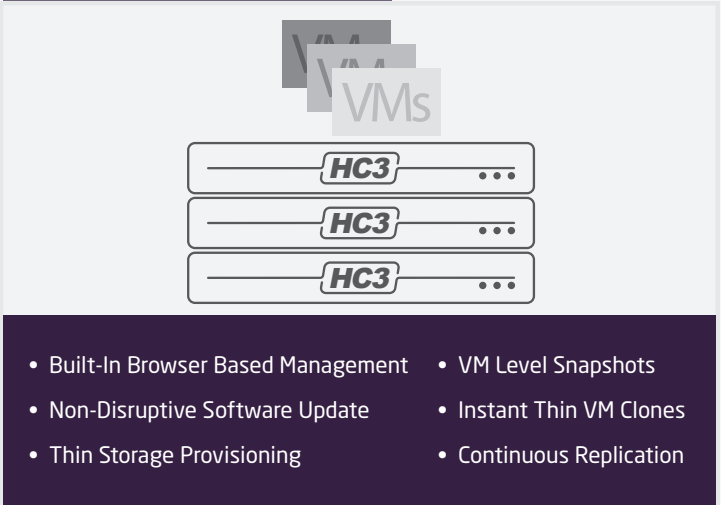
## Virtualization Without Licensing

NEC's HCI includes the hypervisor with no additional costs or licensing fees. By eliminating virtualization software licensing fees, customers can realize the value that NEC's HCI solution offers and help to lower their IT costs.

### Virtualization the Old Way



### Virtualization the HC3 Way



## 3 Models to Choose From

Whether your workload only needs the Base model or if you need to scale up to the Mid-Range or Power models, NEC's HCI makes it easy and provides you with options to meet your needs.

### Model Comparison+ per node\*

	Base	Mid-Range	Power
<b>Compute</b>	8 Cores	10 Cores	20 Cores
<b>RAM</b>	64GB	128GB	256GB
<b>Storage</b>	SSD – 2 x 480GB HDD – 4 x 600GB 10k	SSD – 2 x 960GB HDD – 4 x 1.2TB 10k	SSD – 2 x 1.92TB HDD – 4 x 1.8TB 10k
<b>Network</b>	10GbE SFP+	10GbE SFP+	10GbE SFP+

+ Limited customization available within model classes.

\* Standard systems come with 3 nodes. 4th node available to add.

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