

*Cisco Hyperflex Hyper-Converged Infra and VMware for virtualization helped reduce datacenter costs and make the infra future-ready.*

India's BFSI segment has been at the forefront of adopting new technologies faster than other verticals. The advent of digitization, the Fintech wave and customer experience has accelerated the IT wave amongst the financial institutions also.

India's leading financial expert too wanted to leverage the new digital technologies to the maximum benefit to stay relevant with better customer experience and reduce the operational costs of IT Infra. A leading ECM (Equity Capital Markets) Banker in India over the past ten years, the customer provides focused and customized solutions in Investment Banking and Institutional Equities.

## Pain Points

Most of the workload in the production environment of the customer, along with test and development environment was working on the servers and storage that were over eight years old. Hence it was a difficult task to maintain and support the entire old infrastructure with many components' failures often hampering the production.

Due to the old infrastructure, many limitations were observed such as application upgrade, due to which high performance was not achievable. Another big concern was the high cost related to maintaining the old infra. Also the manageability was proving to be difficult in the new-age business environment and the need to be agile in fast moving technology world. The IT team of the customer was facing a mammoth task to stay on top of their business with an aging IT infrastructure.

## Analysis & Resolution

A high profile IT technical team from Wysetek conducted an extensive survey of the customer environment and studied the challenges and pain points of existing IT infra. The team decided to replace the complete set of old hardware - servers and storage. The outcome result also showcased the need to implement latest technical compliant hyper converged Infrastructure (HCI) Solution. This was recommended primarily to ease the operation management and also achieve the high performance expected with the new updated software applications.

Wysetek implemented Cisco Hyperflex HCI technology (Hyper-Converged Infrastructure) and VMware for Virtualization. The overall solution of 3 node HCI Solution of Cisco HX-240 with 6U Rack servers and 2U Cisco Fabric Interconnect. Cisco Hyperflex provided a simple, cost-effective hyper-converged solution that delivers multiple compute, memory, storage, network with Scale up and Scale out architecture.

## Why Cisco Hyperflex

Cisco Hyperflex is fully integrated, preconfigured, and tested HCI appliance powered by VMware vSphere, vCenter Server & HX Data platform. It is also the easiest and fastest way to extend a VMware environment. Cisco Hyperflex provides a simple, cost effective hyper- converged solution that solves a wide range of your challenges and supports most applications and workloads.

The Cisco Hyperflex Appliance comes stacked with mission-critical data services at no additional charge. Data compression and Deduplication technology is also included in the Appliance. The Cisco Hyperflex Appliance is also backed by world-class support with a single point of contact for both hardware and software and proactive two-way remote connection for remote monitoring, diagnosis, and repair to ensure maximum availability.

## Multiple Benefits

There were multiple benefits for the finance expert customer with the Cisco Hyperflex HCI solution. In the customer's datacenter, a total of 2 datacenter Racks hosting 8 physical old Blade Servers and 2 Storage appliances were completely replaced with only a single datacenter rack using 8U rack space with 3 physical new Cisco HX Servers & 2 Fabric Interconnect. This reduced the datacenter operations cost.

With VMware deployed as Virtualization software, total physical servers required were reduced, which indirectly was a huge saving with respect to datacenter operations. A significant increase in IT Operations performance was observed with updated software application.

There was simple and ease of management and the operations with a single monitoring windows pane. A single vendor management console was a big benefit for the financial services company.

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### Key Benefits of Cisco Hyperflex HCI & VMware for Virtualization

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