



Wysetek Systems Technologists Private Limited

## **Global IT Services Firm Simplifies Multi-Site Infrastructure with Nutanix HCI**

### **CLIENT: A leading IT Services Company**

A Leading IT Services Company is an Indian multinational technology services company which was incorporated in 1990 as A Leading IT Services Company Private Limited. A Leading IT Services Company is trusted Digital Engineering and Enterprise Modernization partner, combining deep technical expertise and industry experience to help their clients anticipate what's next and answer questions before they're asked. their offerings and proven solutions create unique competitive advantage for their clients by giving them the power to see beyond and rise above.

### **CHALLENGE –**

- A Leading IT Services Company were having multiple Locations with outdated hardware Servers, FI & Storage which would soon be out of support.
- They were struggling to manage Infra of all locations, managing 3 Tier Infra is tedious task as it involves (Server Layer, San Layer, & storage Layer) also they were accessing each location separately from HO.
- A Leading IT Services Company were having old 3 tier architecture, which was not providing expected IOPS and giving latency issues in infra.
- A Leading IT Services Company having Test & Development environment where users request frequent VM creations and Day 2 operations and for that they wanted User portal for this task.
- A Leading IT Services Company is growing company hence they wanted easily scalable as in when required infrastructure solution.

### **Problem Analysis –**

After detailed analysis and complete case study, Customer wanted to have Integrated, scale-out compute and storage with built-in virtualization, and management solution without compromising IOPS & performance, hence Nutanix Hyperconverged platform on Dell Hardware with NVME Disks were suggested for Mission Critical workload and Nutanix Hyperconverged platform on Dell Hardware with Hybrid SSD+HDD Disks were suggested for other workload type in all the locations.

### **Resolution by Wysetek –**

- Wysetek has provided, Deep technical expertise on the industry leading enterprise data Centre design with capabilities of assessment, migrate current Data Centre with new data Centre.
- Wysetek has provided, In Depth understanding of the requirement and enterprise experience in delivering design consultancy.
- Wysetek has implemented Nutanix cluster located at 6 locations Hinjewadi, PT, Nagpur, Bhagirath, Hyderabad & Malaysia. Total 14 Cluster were built & total 75 Servers installed.



# WYSETEK

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- Configured replication between Hinjewadi and Nagpur using Nutanix Dataprotecion software.
- Wysetek has completed Seamless VM workload Migration from old hardware to New hardware with minimal downtime. Which involves below
  - ESXi to AHV
  - ESXi to ESXi
  - KVM to ESXi
- Prism central deployed & integrated all Nutanix clusters with it.
- Calm integrated with prism central for VM automation provisioning.

## **Solution Impact –**

- ✓ At A Leading IT Services Company there was reduction in CAPEX, space required, power required, cooling required also have been reduced.
- ✓ With Hyperconverged solution its easy to go with scale out option as in when required without impacting any existing workloads.
- ✓ With Hyperconverged solution, vendor management has been almost eliminated as vendors for Storage, Compute, SAN Switch have been merged into one.
- ✓ With Prism Central Infra from all locations can be managed in single pane of window.
- ✓ With Replication business continuity between Hinjewadi & Nagpur location is guaranteed.
- ✓ With Calm, User portal provided to user to enable features like VM provisioning, Day 2 operations.