Success Stories for Cloud Banking industry gets huge ROI from private cloud investment

The implementation of private cloud solution improves hyper-converged infrastructure, automation & orchestration layer to enhance agility and reduce dependence on datacenters

Client Background

- ➢ A large government owned bank
- ➢ Industry Finance
- ➢ Number of employees: Over 30000

Challenge

- ➢ The bank had a primary objective of delivering agility when it comes to aggressive release of digital platforms through DevOps. Along with it, the bank also wanted to boost its IT infrastructure services and ramp up application uptime for its employees and customers. The simplification of the datacenter infrastructure management and introduction of self-service of IT infrastructure!

- ➢ The private cloud was expected to enhance the security blanket and protect backups from getting affected by malicious attacks and protect the internal data environment.

Solution

The solution provider set up a private cloud solution with software defined data center (SDDC) with basics influencing Hyper-converged infrastructure (HCIS), automation and orchestration. The complete solution encompassed planning, design, implementation and private cloud level managed services.

- ➤ In order to simplify computation, storage, network and hypervisor management, HCIS was deployed on scale out architecture
- ➤ Deployment of Cloud Management Portal over the existing HCIS architecture, to help IT publish policy based IT service infrastructure catalog for reference of end users enabled through a self-service portal
- ➤ Identical setups created across both DC Active and DR passive. In order to ensure a 30 minute recovery point objective set up enabled through Host level replication.
- ➤ An additional security layer created through implementation of air gap based backup solution which ensures the isolation of the backup disk or device when there is no backup being taken

Business Impact

The private cloud solution implemented was based on Nutanix HCI offered a combination of IT and business benefits. The bank benefited with enhanced operational efficiencies, on demand scaling, minimal forecasting risks and end user fulfillment. Some of the other gains were

➢ Application releases 2x faster which would eventually scale up to 6-10 x faster
➢ Business Agility delivered
➢ Application uptime increased
➢ Task duration reduced from days to hours
➢ Infrastructure outages cannot cause overall disruption due to self-healing architecture
➢ High end reporting and analytics to resolve and identify key performance issues