

IT Infrastructure Cloud Hosting for **a Leading NBFC**

CASE STUDY



About Client
Leading NBFC



Industry
BFSI



Service
Cloud

Business Need

Our client wanted to run its entire IT setup on cloud including DR to avoid creation and management of Datacenter.

The client wanted the following features:

- ✦ Across service provider DR with zero RPO
- ✦ 15 minutes RPO backup for critical servers
- ✦ Secure access from HO, Branches & remote users
- ✦ Production systems wanted to run on stable, robust, user-friendly platform
- ✦ Environment must be secured for operations financial institutions
- ✦ Secure connection between on premise and the production environment
- ✦ Disaster recovery on stable and secure platform geographically different locations
- ✦ Backup solution
- ✦ ITIL based complete life cycle of technology

Business Solution

Considering the client requirements, we proposed the following:

- ✦ Primary site hosted on Azure Chennai & DR on AWS Mumbai
- ✦ DR configuration with near zero RPO & 30 Minutes RTO
- ✦ Unified IP SEC VPN connectivity from offices & unified VPN access across Cloud service providers for roaming users
- ✦ Dynamic scaling for application servers based on workload
- ✦ Unified AD authentication for server infrastructure & users
- ✦ Azure data center for running production environment
- ✦ AWS data center for running Disaster recovery
- ✦ Service desk as an ITIL based complete life cycle of technology for ticketing and alerting.
- ✦ Cloudxsupport as Cloud monitoring tool

Following applications were hosted on Cloud

- ✦ Core lending ERP
- ✦ Online credit authorization system with integration with CIBIL.
- ✦ Online payment gateway with Yes bank integration.
- ✦ Active Directory
- ✦ Service desk tool
- ✦ Complete Development

Business **Impact**

- ▶ Azure is user-friendly cloud platform
- ▶ Old production was running on Microsoft Windows platforms so moving to Azure was a smooth process been a same technology family
- ▶ Secure enough to run financial institutions business process like multifactor authentication for accessing Prod and UAT environment, limited access to environment by allowing authorized IPs
- ▶ The client was able to achieve secured connection between on premise and Cloud platform with VPN
- ▶ Very cost-effective solution to run 24 x7 production system
- ▶ Disaster recovery deployed on AWS post successful connection between both Cloud platforms for transfer of data to DR site without VPN
- ▶ Deployed low cost and low resources on DR site to utilize DR very efficiently and installed and configured the snapshot-based backup solution
- ▶ Ability to take snapshot with 15 min time interval to achieve business requirement of minimum RPO & RTO
- ▶ Environment is made secure to face Ransomware attack
- ▶ Maintain all records to achieve compliance
- ▶ Service desk to log all the events and cloudxsupport as a monitoring tool to get alerted by all events and to act as and when required to address the incidents to resolutions

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