

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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