



FINANCIAL
SERVICES



APPLICATION
HOSTING ON AWS



HELPED INDIA'S LEADING RURAL FINANCE COMPANY WITH
**APPLICATION HOSTING ON AWS FOR A RELIABLE &
HIGH-PERFORMANCE SOLUTION.**

Start Date – 2nd July 2018 **End Date** – 30th August 2018



CLIENT OVERVIEW

The customer is a pioneer organization dedicated to the welfare of rural population engaged in the activities of farming and animal husbandry. Founded in 2017, its mandate is to enhance productivity and income levels of farmers through dissemination of relevant and timely information daily in 11 vernacular languages. The finance corporation is working to make available financial products to the rural population in a cost effective, transparent and ethical manner.



CUSTOMER OBJECTIVE

- The customer was looking for a reliable & high-performance solution to host their financial applications on AWS
- Current infrastructure has a high OpEx which includes IT infrastructure management, backup infrastructure solution and management.
- The CapEx and OpEx for maintaining DR infrastructure.
- Client was looking forward to cloud managed services.
- Daily backup of VMs and DR for the production servers is required.
- They are also looking for complete operations and management solution under one umbrella.
 - Hosting VMs on AWS Cloud
 - Implementation and Managed Services (end-to-end support post migration)



LANDSCAPE

- Currently customer was looking to host their application (Navigen ERP).
- 1 Dev and 1 DB Server are required to host the application.



SOLUTION APPROACH

- The applications and DB was migrated using backup & restore method.
- Since the DB transactions are only during the operations hours there was no downtime during migration and no data loss during the period.
- The production environment will be in private subnet and will be accessed by a Point to Site VPN.
- Establishing VPN connection between on-premises users and AWS.
- Backup and DR was implemented using EBS snapshots and AMI (no cost of data backup license and backup infrastructure). Thus, eliminating the CapEx and OpEx of Backup/DR infrastructure.
- AWS VPN Gateway and CloudTrail services provided secure method of connectivity and managed logging service respectively.

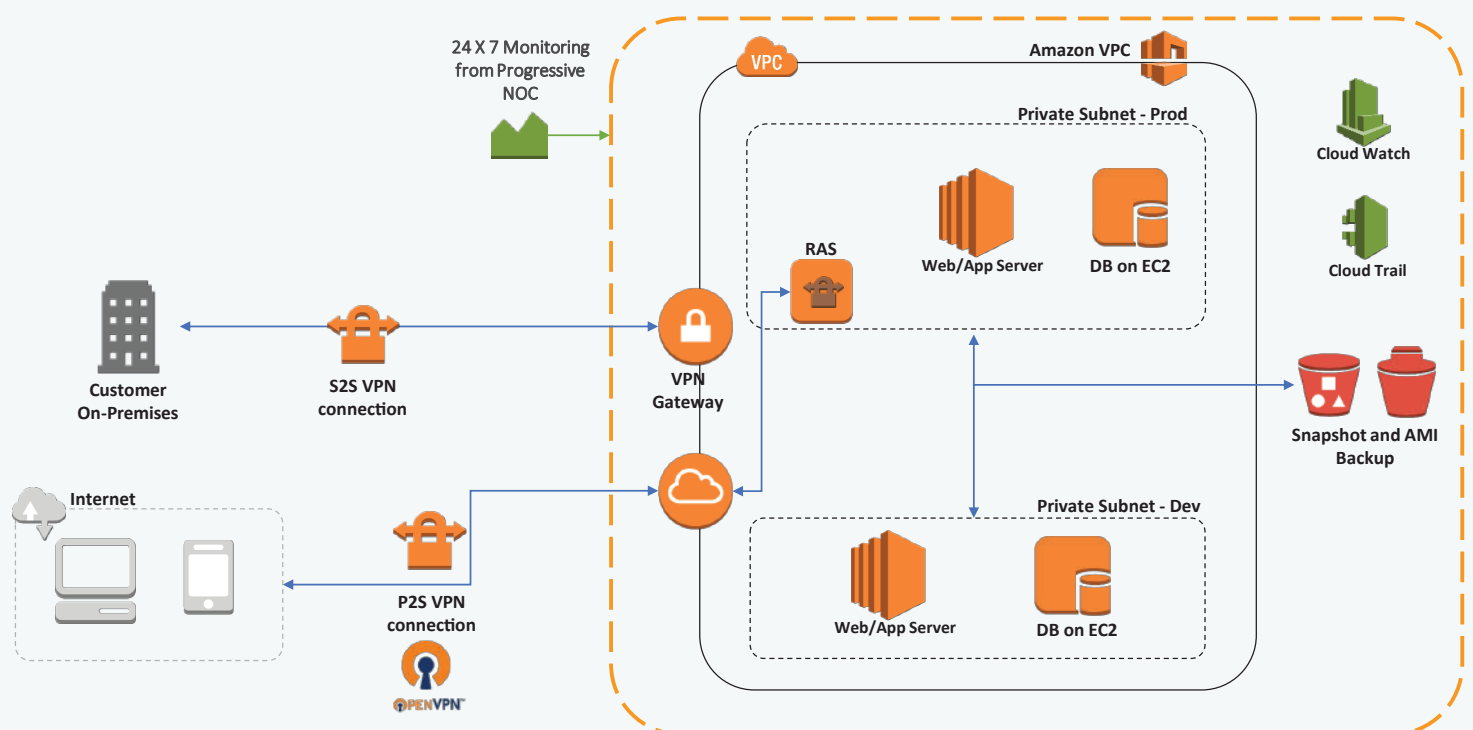


OS PLATFORMS

Windows



SOLUTION ARCHITECTURE





SERVICES USED

OPENVPN GATEWAY

AWS VPN GATEWAY

SECURITY GROUPS

EC2

EBS SNAPSHOTS & AMIS3

S3

CLOUDTRAIL

CLOUDWATCH



OUTCOMES

- Infrastructure size and cost optimization has been achieved as part of MSP Advisory services.
- Customer was able to save 20% of the estimated consumption by enabling the scheduler for the business hours only.
- Application compatibility with the provisioned instance (Windows OS) delivered better user experience.

The customer has opted 24x7 managed service support where Progressive Infotech is offering Proactive Monitoring, support, advisory, and management of the infrastructure. As part of the managed service deliverables, Progressive Infotech is committed in providing better customer experience through Alert Management, Security Controls, Infrastructure & Cost Optimization. Server start/stop has been enabled for the required business hours.