

Accord Fintech Case Study



The Challenge:

Accord Fintech was significant growth through their customer base. This growth was causing significant strain to their on-premise environment. Accord Fintech a SaaS product, requires 24 x 7 uptime. Accord Fintech needed a highly redundant, secure environment so they could meet their customers expectations while avoiding significant upfront capital expenditures. They were looking for migration to cloud from on-premises set-up.

Start and end dates of project:

Start date: 25th OCT 2019

End date: 29th OCT 2019

The Solution

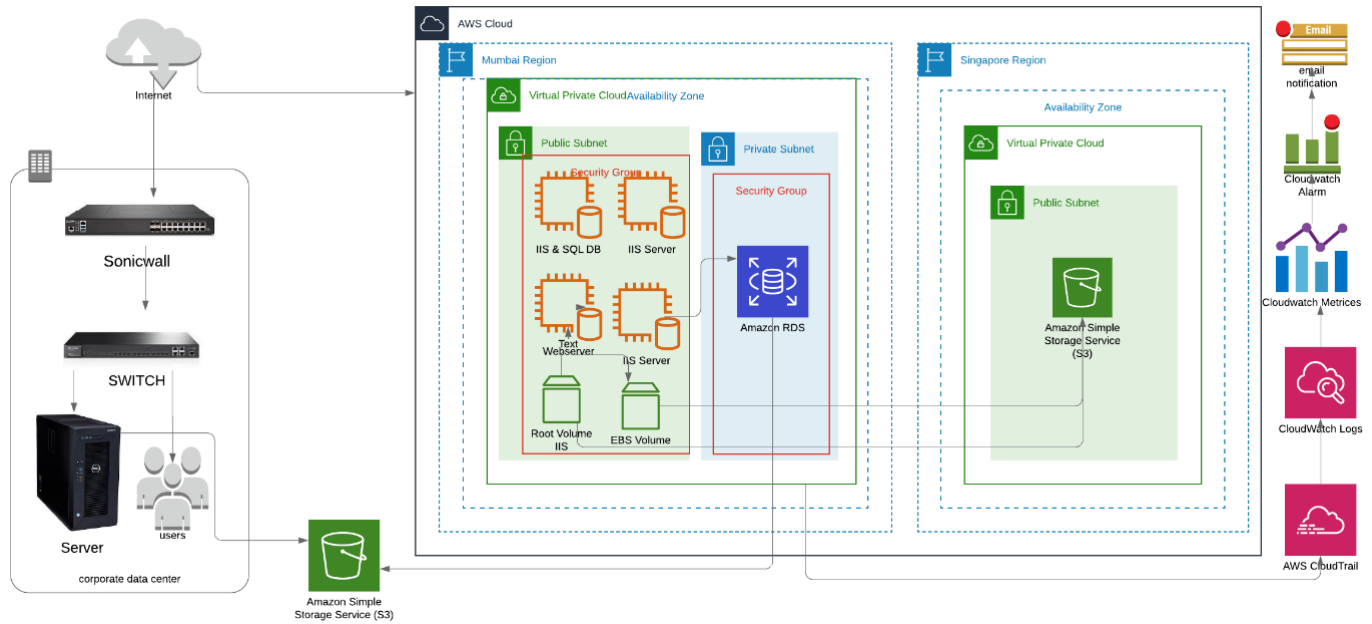
Network Techlab engaged with Accord Fintech with a full turn-key migration of their on-premise server infrastructure to Amazon Web Services (AWS). The migration enabled Accord Fintech to scale quickly and dynamically by utilizing EC2 elastic features and Amazon redundant object storage offering, S3. Accord Fintech was so pleased with the work that Network Techlab provided that they contracted them to further enhance the application. Network Techlab is currently refactoring the Accord Fintech application environment to take advantage of more native features of the AWS platform to increase availability and scalability while reducing cost. Also using monitoring agent to monitor AWS infrastructure.

About Accord



Accord Fintech Pvt. Ltd. is an ISO 9001:2015 certified company, set up by a team of professionals with competencies in Financial content, software development and database design using a variety of platforms, technologies and financial domain knowledge. Our team has 250+ professionals having cumulative experience of more than years engaged in conceptualizing, designing and implementing end-to-end business solutions.

Architecture:



The Accord Fintech application utilizes a Three-Layered Services Application running the Microsoft Windows Operating System. This provides isolation of services for both security and performance. The entire environment resides in a Virtual Private Cloud (VPC) to improve security in addition to Security Groups, Role-based permissions and custom Identity and Access Management (IAM) rules. The Presentation Layer, or Web Tier, utilizes ASP.NET and IIS to provide browser-based interaction. While on a separate subnet, the Business Layer, or Application Server, was implemented using the .NET framework. The isolated Data Layer utilizes the relational database Microsoft SQL (MSSQL).

Network Techlab utilized the following AWS services in the production solution:

- VPC (Virtual Private Cloud)
- Security Groups, Roles & IAM (Identity & Access Management) Rules
- Windows on EC2
- MS SQL on EC2
- Flow Logs
- Route 53
- Cloudwatch
- SNS



Results

Accord Fintech is now able to onboard more customers significantly faster than they could by using their in-house solution. Also, on AWS, they can quickly scale their production stack as dynamically as their workloads scale. For example, Accord Fintech can now easily increase their storage footprint and compute footprint utilizing AWS highly scalable features.

Benefits Achieved:

- The deployed architecture was optimized for serving Accord Fintech customers in a more efficient manner. By splitting out the Presentation, Application and Data Layers, Network Techlab could select the optimized AWS instance that best suited each workload.
- Accord Fintech was able to reduce their costs of running systems locally which allowed their engineering team to focus on enhancing the product instead of spending time with hardware. In addition, they were able to transition from a CAPEX cost model to an OPEX cost model that aligned better with their SaaS model.
- With AWS provides a uniform environment for the enterprises web properties, and eliminates the cost of licensing, on-site maintenance, and hardware refreshes
- Application can scale up or down based on demand. Backed by Amazon's massive infrastructure, you have access to compute and storage resources when you need them.

About Network Techlab :

With 23+ years of experience in providing End to End customized Solutions and Services, our brand character is customized, professional, immediate, helpful and up-to-date with the latest technology developments. In IT Solutions, we provide complete IT Infrastructure, Hyper-convergence Infrastructure Solutions, Cyber Security Services, Networking Solutions, Mobility Solutions, Cloud Infrastructure, Cloud Storage Services and much more.

