OVERVIEW

The customer is a digital banking company and is the first and only co-created banking experience dedicated to the Millennials. Banking experience has not evolved as fast as other sectors like travel, shopping, and dining. While technology has allowed for faster transactions, most Millennials have had to accept banking facilities as they have existed for long. The system has not understood what Millennials want to do with their money. Neither has it solved their needs by offering generation-specific tools. Most banking apps are only of one kind, while Millennials interact very differently with apps and products.

The customer aims to be a simple, customized, trustworthy banking experience for Millennials, providing for all their financial needs on a single platform. The customer wants to create products and services that will empower Millennials to get more for their money and achieve their goals.

CHALLENGE

The business of setting up infrastructure and connectivity was also affected by COVID-19, like all other businesses. The customer required a secured and private connectivity between Mumbai (Axis and FIS) DC with AWS GPX Mumbai to ensure safe traversing of customer data. Additionally, they needed similar reliable connectivity between the Bangalore (Axis and FIS) DC with AWS Chennai. The application is to be made accessible from AWS to DC and vice versa, with controlled latency and jitter. There was high path diversification and redundancy of link and hardware as it was a digital bank. The customer was looking for a complete Managed Solution.

SOLUTION

PART A

- TTL will deploy Dual Hub and Spoke topology, Axis (Hub-1) and FIS (Hub-2) being AWS (GPX) Mumbai.
- Two physical links of 50 Mbps each will be provisioned for Axis – Primary & Backup – and a separate physical link of 50 Mbps each for FIS – Primary & Backup. TTL & TCL last mile connectivity is to be provided. Axis and FIS routers will work in HA mode using VRRP.
- The Static routing protocol will be implemented at HUB & BGP at Spoke end; VRRP will ensure link and Hardware redundancy.
- Single direct connect at AWS Chennai of 50 Mbps port bandwidth will be provisioned to facilitate the traffic for Axis and FIS.
- Public peering will be offered at the AWS end to cater to the traffic.
- At the Hub end, /32 non-routable IP will be provided, which will be netted with LAN IP pool supplied by the customer.
- AT AWS Chennai, transit gateway will be used for communication between multiple VPC using virtual interfaces.

BUSINESS BENEFITS

- Higher uptime: Link level and hardware-level redundancy were reduced, ensuring higher uptime.
- Premium class of service: A mechanism for avoiding traffic engineering congestion was devised.
- Secure and fast: Secure connect MPLS platform provided faster connectivity and reduced latency and jitter. The network allowed for business continuity.
- Complete Managed Solution: TTBS ensured entire router configuration, maintenance, and servicing of the network.

PART B

- TTL will deploy Dual Hub and Spoke topology, Axis (Hub-1) and FIS (Hub-2) at Bangalore with Spoke at AWS at Chennai.
- Two physical links of 50 Mbps each will be provisioned for Axis (Primary & Backup), and separate physical links of 50 Mbps each for FIS (Primary & Backup) with TTL & TCL last mile. Axis and FIS routers will work in HA mode using VRRP.
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