CASE STUDY

Take Business Beyond the Cloud with Azure Managed Services Solution

With this modernized solution for a global leader in the plasma collection industry, Connection helped the company with site-wide connectivity to easily integrate more sites on demand.

The Challenges

The client, headquartered in Austin, Texas collects plasma from donors, in 40 centers across the U.S. The company employs over 2000 staff, to support the needs of donors and to ensure high-quality plasma collection in all their centers. Plasma collection is regulated by both FDA and MHRA, and the client follows industry guidelines.

The company already had a production data warehouse solution, but wanted connectivity to other public clouds, such as AWS, as well as third-party private cloud providers, and multiple Internet Service Providers (ISPs), including Masergy and Mainstream to connect on-premises data centers. This project brought together a wealth of technical resources from different teams, in different organizations, working towards a single goal to integrate more sites on-demand.

The client's environment was running in a multi-hybrid cloud mode, consisting of resources hosted in the following locations:

- On-premises data center
- Off-site collocation data center in Salt Lake City, Utah
- Three subscriptions across two Azure tenants
- AWS cloud infrastructure

Users were required to allow network traffic to and from the current data warehouse infrastructure across Azure tenants. The previous solution enabled the client to configure virtual network peering, but traffic routing to other locations outside of Azure could not be achieved. With the modern solution, an Azure ExpressRoute gateway connection will route traffic within the VNETs, across all the subscriptions and outside Azure to other locations.

Expansive Cloud Connectivity Solution Using Azure MSP

Our experts used a wide range of talents to help set up a modern version of a production data warehouse solution in a separate Azure tenant—providing network connectivity between two environments. A virtual network peer was configured across the Azure tenants to establish connectivity within Azure, however, the client also wanted traffic from the new data warehouse to route to their other sites, including AWS, their colocation facility, and on-premises.

Connection Azure architects successfully created an Azure ExpressRoute VPN connection to replace the original VNET peers and provide site-to-site VPN connection. The team worked with different ISPs to extend the client's on-premises networks into the Microsoft cloud and successfully establish connectivity across all sites.

Significant Solution Benefits

With the modernized Azure solution, the client achieved many solution benefits, including:

- The ability to leverage an existing Azure ExpressRoute circuit on a separate Azure tenant, enabling cost-effective connectivity to the client's AWS cloud infrastructure and all other on-premises and disaster recovery sites.
- An Azure ExpressRoute VPN connection to replace the VNET peers, enabling built-in redundancy in every peering location for higher reliability.
- Connection uptime SLA with connectivity across all sites.

Results

The Azure ExpressRoute connection provides the client's network with higher security, reliability, and speeds, and lower and consistent latencies over the Internet. Ultimately, the modern Azure solution enables a more cost-effective environment where the client can now set up a development/test version of the new data warehouse solution and establish connectivity across all customer sites.

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Ready to talk about Cloud Services? Contact a Connection expert today!

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