Integrating Amazon Redshift and Amazon QuickSight into VMware Cloud on AWS

Using AWS DMS to get your data into Amazon Redshift for easy analysis

Within VMware Cloud on AWS, there are one or more database virtual machines running.

Configure the Compute Gateway firewall to allow the AWS Database Migration Service (AWS DMS) instance in the connected Amazon Virtual Private Cloud (Amazon VPC) to connect to the database virtual machine within VMware Cloud on AWS.

AWS DMS establishes connections to both the source and target databases. AWS DMS connects to the source virtual machine in VMware Cloud on AWS, where the traffic automatically gets routed directly through the software-defined data center (SDDC) elastic network interface. AWS DMS connect to the target database in Amazon Redshift in the Amazon VPC.

Configure AWS DMS to replicate the data from the source database in VMware Cloud on AWS to the Amazon Redshift instance by an intermediate copy in Amazon Simple Storage Service (Amazon S3). The S3 bucket is accessed by AWS DMS through a VPC endpoint.

By connecting Amazon QuickSight to the Amazon VPC, there is now private access to the data residing within the Amazon Redshift cluster. Customers can now perform analyses and visualizations with QuickSight to get more out of their data.