



AWS

Additional Design Considerations



Here are further considerations that you may need to know.

- Consider the need for multicloud connectivity and a consistent architecture. Keep in mind that AWS TGW is an AWS-only service.
- Remember that AWS TGW features and options are only available in AWS. In a multicloud scenario, you would need to make additional efforts to implement a similar or compatible option in another cloud, which could increase the project's time and cost due to technology and skill gaps.
- Evaluate the manual route table management efforts required if the use case is the service insertion of 3rd party firewall or traffic steering.
- Analyze the manual route table management efforts required to create segmentation and isolation with a policy-based approach. VPC and AWS TGW flow log details should be reviewed to make sure they align with the business objective of deeper visibility.
- Understand the BGP attributes available as part of AWS TGW and analyze whether those attributes can be passed through the AWS TGW transparently.
- Review the AWS TGW BGP route table output to ensure it shows the routes and associated attributes required by the enterprise and meets the design requirements.
- Evaluate the automatic VPC CIDR route summarization requirements. Evaluate the cost of saving and processing the AWS TGW and VPC flow logs.

Please refer to the following resources for AWS Transit Gateway quota limits and the latest design considerations.

<https://aws.amazon.com/transit-gateway/>

<https://docs.aws.amazon.com/vpc/latest/tgw/transit-gateway-quotas.html>

<https://aws.amazon.com/transit-gateway/faqs/>

<https://resources.aviatrix.com/home/top-ten-reasons-aws-and-aviatrix-secure-cloud-networking>