Latest Version: 8.0

Question: 1

ACE Inc. currently uses AWS as their primary cloud provider with a strong desire to expand to Azure and GCP. IT team has strict security and control requirements from different business units that require isolation and control from each other. The different business units want
• to own their own transit architecture
• the ability to control firewall rules for their own application
• to not share same transit with other business units but have ability to connect to other business units if needed
The architecture board has mandated that there needs to be a single design pattern that accommodates above requirements irrespective of the public cloud vendor being used.
Choose the best design option to meet above needs. Each option presents a complete solution.

A. Use AWS Transit Gateway (TGW). Deploy several TGWs in each region and peer them together as needed. Use TGW VPN to build IPSec tunnels to Azure Virtual WAN and Google Cloud VPN.
B. Use Azure Virtual WAN to connect all the branches, users and VNets together. Insert a centralized 3rd Party firewall in Virtual WAN to control traffic. Use Azure Gateway to build IPSec tunnels to AWS Transit Gateway and Google Cloud VPN.
C. Use Aviatrix repeatable transit architecture integrated with 3rd party Next Gen Firewalls. Deploy same transit architecture multiple times in a region and use same design and normalized datapath for AWS, Azure, GCP and
OCI. Provide NextGen firewalls in each transit so the business units can control their own firewalls and Allow connectivity in and out of their transit.
D. Use GCP global routing which allows connecting all GCP VPCs. Use Google Cloud VPN to build tunnels to AWS TGW and Azure Virtual WAN.

Answer: C

Explanation:
As here AWS is Primary Cloud Provider.
With Aviatrix You can Bring your own firewall to the cloud. Pre-integrated with Next-Generation Firewalls
to enable inline inspection of VPC traffic to maximize security and performance.
Multicloud and Multi-Region is the new normal: With Aviatrix You can support your business needs for onprem and multiple cloud providers. Instead of managing different cloud vendor gateways, Aviatrix NextGeneration Transit Network lets you abstract away the networking differences between AWS, Azure, Google and Private Cloud.

Question: 2

Aviatrix Controller allows customers to export Netflow data from all or select Aviatrix Gateways to any

Netflow collector on a custom port.

A. False
B. True

Answer: B

Explanation:
Aviatrix Controller can allows customers to export Netflow data from all or select Aviatrix Gateways to any Netflow collector on a custom port (your designated service point) by enablingusing NetFlow Agent . Read Following Link for detailed Tutorial Steps. [Netflow Integration](https://docs.aviatrix.com/HowTos/netflow.html)
Aviatrix Controller and gateways can forward Netflow logs to your designated service point.
Aviatrix Gateways generate and export information about network traffic. Flows come directly from Gateways to CoPilot.
The flows are sent from the Aviatrix gateways directly to CoPilot's instance.
https://docs.aviatrix.com/HowTos/copilot_faq.html
Link (Netflow Integration): https://docs.aviatrix.com/HowTos/netflow.html

Question: 3

When AWS Direct Connect, Azure ExpressRoute, Google Interconnect and OCI FastConnect are encrypted
without using Aviatrix High Performance Encryption, the effective throughput is reduced to____. SELECT THE CORRECT ANSWER

A. 1.25 Gbps
B. 10.25 Gbps
C. 5.25 Gbps
D. 525 Mbps

Answer: A

Explanation:
To encrypt this connection, users have the option to create an IPSec Tunnel which limits the throughput to only 1.25Gbps. Standard IPSec encryption in the cloud, or from your data center to the cloud, is limited by a single core processing to 1.25 Gbps.
High Performance Encryption with InsaneMode - Aviatrix Insane mode is integrated into the Transit Network solution to provide 10Gbps performance between on-prem and Transit VPC with encryption. For VPC to VPC, Insane mode can achieve 25 - 30Gbps.

Question: 4

Aviatrix Controller provides a VPC Creator tool that allows customers to create VPC, VNETs across

multiple clouds like AWS, GCP, Azure and OCI from single pane of glass.

A. True
B. False

Answer: B

Explanation:
Aviatrix Controller provides a VPC Tracker tool. VPC Tracker is a tool that collects and helps you manage your network CIDR ranges at a central place, eliminating the need to keep an Excel sheet on all your VPC network addresses allocations.By using VPC Tracker tool one can create a VPC.
VPC Tracker: https://docs.aviatrix.com/HowTos/vpc_tracker.html
Create a VPC: https://docs.aviatrix.com/HowTos/create_vpc.html

Question: 5

Using AWS Terraform provider, a customer created an AWS Transit Gateway with 50 VPCs attached to it. After attaching the VPCs and spinning up some EC2 instances in them, none of the instances can communicate with each other. What should be done to resolve the issue?

A. There must be security group rules blocking traffic as AWS auto configures VPC routing tables
B. Configure BGP communities in VPC such that all VPCs that need to communicate with eachother have same community defined
C. Create routing tables in each VPC, add CIDR for all the other VPCs in the routing table pointing to AWS Transit Gateway
D. There must be security group rules blocking traffic as BGP in VPC auto configures VPC routing tables

Answer: A