Aviatrix ACE Practice Questions

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Question 1

Question Type: MultipleChoice

Customers do not need to sign a separate licensing agreement with Aviatrix to get started because controller can be launched from any cloud provider's Marketplace (Pay-As-You-Go metering).

Options:

A- False
B- True

Answer:

A

Explanation:

Customers need to sign a separate licensing agreement with Aviatrix to get started because

controller can be launched from any cloud provider's Marketplace (Pay-As-You-Go meeting).

Customer are also responsible for the Aviatrix license that is required to deploy the Aviatrix User VPN

solution.

Customer need to subscribe to the Aviatrix AMI of the deployment steps, hence sustomer subscribes to an

Amazon Machine Image (AMI) for Aviatrix software in AWS Marketplace, Customer needs to choose the Aviatrix Secure Networking Platform PAYG - Metered licensing option.

This is an hourly-subscription license based on the prices listed in AWS Marketplace.

With this pay-as-you-go license, you can build and scale your User VPN service to any size.

Question 2

Question Type: MultipleChoice

Choose two statements that best describe Aviatrix UserVPN/OpenVPN service?

Options:

A- Requires AWS NAT Gateway
B- Is limited to one Gateway per VPC/VNET
C- Can integrate with DUO for MFA
D- Can integrate with Active Directory

Answer:

A, C

Explanation:

NAT capability supported on the gateway - An Aviatrix OpenVPN gateway performs a NAT function for

the user's VPN traffic, effectively masking out the VPN client's virtual IP address assigned by gateway from

the VPN CIDR Block. but here specifically AWS NAT Gateway is asked.

An Aviatrix OpenVPN is DUO multi-factor authentication supported.

LDAP/AD Integration Authenticates VPN user from Aviatrix gateways in addition to VPN certificate

authentication.

Question 3

Question Type: MultipleChoice

Choose the correct behavior around software upgrade and security patching of Aviatrix Platform. (Choose 2)

Options:

A- Aviatrix platform offers hitless upgrades
B- Aviatrix platform software upgrade requires long downtime
C- Security patching of the Aviatrix platform always requires a version upgrade for entire

deployment
D- Security patching of the Aviatrix platform can be done without requiring version upgrade of entire platform

Answer:

A, D

Explanation:

Aviatrix software upgrade happens inline without taking down the controller.

In addition, gateway upgrades are hitless. That is, all gateway encrypted tunnels stay up during the upgrade process. There is no packet loss when upgrading the software.

Question 4

Question Type: MultipleChoice

A Customer has 100 VPCs in GCP that they want to be able to route between. What are some of the solutions customers can use. Each option represents a complete solution. (Choose 2)

Options:

A- Google already provides global routing for inter-VPC traffic
B- Use Aviatrix Transit solution to connect the VPCs with a Transit VPC running Aviatrix Gateways
C- Manually configure routing tables in each VPC
D- Use Google Routers
E- Build full mesh connectivity using VPC Peering

Answer:

A, B

Question 5

Question Type: MultipleChoice

Statefull Firewall rule:

Options:

A- Is another name for Azure Active Directory Firewall
B- Requires explicit rule for the return traffic
C- Allows the return traffic implicitly
D- Alone can easily satisfy the enterprise security needs

Answer:

C

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Explanation:

Aviatrix stateful firewall is feature on the Aviatrix gateway. It is a L4 stateful firewall that filters network CIDR, protocol and port on the packet forwarding path.

The stateful firewall allows each individual rule to be defined as Allow, Deny and Force Drop, in addition to a base rule.

Question 6

Question Type: MultipleChoice

AWS Global Accelerator is a service which allows a direct connectivity between AWS DirectConnect and Azure ExpressRoute.

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Options:

A- True
B- False

Answer:

B

Explanation:

AWS Global Accelerator is a service that improves the availability and performance of your applications with local or global users. It provides static IP addresses that act as a fixed entry point to your application endpoints in a single or multiple AWS Regions, such as your Application Load Balancers, Network Load Balancers or Amazon EC2 instances.

Question 7

Question Type: MultipleChoice

ACE Inc. is currently using AWS Transit Gateway (TGW) with 100 VPCs attached to it from different security domains.

These 100 VPCs are used as following:

* 20 VPCs belong to Production,

* 40 VPCs belong to Development,

* 20 are part of UAT and

* 20 VPCs are for shared services and miscellanous common needs.

ACE Inc. requirements are to:

* provide network and traffic segmentation between Prod, Development, UAT VPCs such that there is no traffic between VPCs belonging to different domains

* allow all VPCs in each domain to communicate with each other

* allow every VPC access to shared services VPCs

Which Aviatrix feature would help to not only provide this segmentation but also decrease the complexity of this topology and routing configuration by orchestrating life-cycle management of AWS Transit Gateways?

(Choose 2)

Options:

A- Aviatrix AWS-TGW Encrypted Peering
B- Aviatrix TGW Orchestrator
C- Aviatrix Security Domain
D- Aviatrix Slte-io-Cloud (S2C)

Answer:

B, C

Explanation:

A Security Domain is an enforced network of member VPCs attached to the same route table. Member VPCs

have connectivity to each other. VPCs outside of the domain cannot connect. A Security Domain is an

instantiation of the AWS Transit Gateway (TGW) Route Domain concept. This enables VPC segmentation

through AWS Transit Gateway (TGW). For example, you can have ''dev'', ''prod'' and ''test'' security domains toisolate your development, production and test environments in your AWS cloud. In this scenario, the VPCs in dev security domain cannot talk to VPCs in prod and test security domains. A security domain can have one or more spoke VPCs as its members. VPCs within a security domain can communicate to each other via AWS Transit

Gateway (TGW).

we can leverage domains with the AWS Transit Gateway to segment and secure your network.

The AWS Transit Gateway (TGW) Orchestrator is a feature in Aviatrix Controller. It provides a point-andclick workflow to build a transit network and manages all network routing updates.

Aviatrix orchestrator (available in the AVX Controller) simplifies and extends the AWS Transit Gateway (TGW)

by using dynamic route propagation, policy abstraction and simplifying operations through a single pane of glass.

Question 8

Question Type: MultipleChoice

AWS Guard Duty automatically enforces its findings through the ingress routing feature, blocking the traffic by default.

SELECT THE CORRECT ANSWER

Options:

A- False
B- True

Answer:

A

Explanation:

monitoring service that analyzes and processes the following Data sources.

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Question 9

Question Type: MultipleChoice

Azure supports Availability Zones in all its regions.

Options:

A- True
B- False

Answer:

B

Explanation:

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Azure does not supports Availability Zones in all its regions.

There are two types of regions in Azure

1. Recommended Region : A region that provides the broadest range of service capabilities and is

designed to support Availability Zones now, or in the future. These are designated in the Azure portal

as Recommended.

2. Alternate (other) Region: A region that extends Azure's footprint within a data residency boundary

where a recommended region also exists. Alternate regions help to optimize latency and provide

a

second region for disaster recovery needs. They are not designed to support Availability Zones

(although Azure conducts regular assessment of these regions to determine if they should become

recommended regions). These are designated in the Azure portal as Other.

Question 10

Question Type: MultipleChoice

Can the Aviatrix platform help you interconnect VPCs/VNets/VCNs with overlapping IP address ranges?

Options:

A- Yes, using standard encrypted peering
B- Yes, using S2C (Site-to-Cloud)
C- Yes, using FiightPath
D- No

Answer:

B

Explanation:

Site2Cloud builds an encrypted connection between two sites over the Internet, in an easy to

use and template driven manner. Its workflow is similar to AWS VGW or Azure VPN.

Overlapping IP addresses The CIDR blocks at your customer sites are not controlled by us. If CIDR

block overlaps with our operation VPC CIDR, we have to find a way to NAT the address. The cloud

provider native solution is not usable in this case. The Aviatrix site2cloud solution solves this problems:

Question 11

Question Type: MultipleChoice

An example of when would you use Aviatrix FlightPath is:

Options:

A- To insert Firewall into traffic path between 2 VPCs
B- To connect your branch office to the cloud resources
C- To view controller logs
D- To troubleshoot connectivity between EC2 instances in 2 AWS VPCs

Answer:

D

Explanation:

EC2 related information such as Security Groups, Route table and route table entries and network ACL.

This helps you to identify connectivity problems.

You do not need to launch Aviatrix gateways to use this tool, but you need to create Aviatrix accounts so

that the Controller can use the account credentials to execute AWS APIs to retrieve relevant information.

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