



## Amazon

### Exam Questions AWS-Certified-Advanced-Networking-Specialty

Amazon AWS Certified Advanced Networking - Specialty

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#### NEW QUESTION 1

From the following options, select the answer that correctly describes the implementation of the HTTP protocol

- A. By definition, HTTP is a connection-less oriented protocol and therefore utilises TCP
- B. By definition, HTTP is a connection orientated protocol and therefore utilises TCP
- C. By definition, HTTP is a connection-less oriented protocol and therefore utilises UDP
- D. By definition, HTTP can be configured to be either connection or connection-less oriented - by specifying the appropriate HTTP header.

**Answer: B**

#### Explanation:

Reference:  
[https://en.wikipedia.org/wiki/Hypertext\\_Transfer\\_Protocol](https://en.wikipedia.org/wiki/Hypertext_Transfer_Protocol)

#### NEW QUESTION 2

Select the VPC Peering statement below that is NOT true

- A. VPC peering supports transitive peering relationships for IPv6 traffic but not IPv4
- B. VPC peering can be performed between VPCs in different AWS accounts in the same region
- C. TCP connections can be performed between peered VPCs
- D. UDP connections can be performed between peered VPCs

**Answer: A**

#### Explanation:

Reference:  
<http://docs.aws.amazon.com/AmazonVPC/latest/PeeringGuide/vpc-peering-basics.html#vpcpeering-limitations>

#### NEW QUESTION 3

You are the AWS cloud architect and have been tasked with designing an appropriate subnetting design for your production VPC. Your production VPC requires secure communications back to the corporate private network. Quality of Service (QoS) is very important 24x7 for this particular connection, as real-time data is passed continually backwards and forwards between your on-prem bioinformatics enterprise application, and the number crunching servers deployed in the cloud. Any potential latency incurred on this connection will have a direct impact on the company's ability to attract investors and expansion into new markets. Select the correct network configuration that best facilitates your company's continued growth plans.

- A. Provision a Direct Connect connection - between your service provider's data center and the AWS region that your cloud compute resources exist in . Configure just a Private VirtualInterface
- B. As this is a Direct Connection, a Virtual Private Gateway is not required
- C. Configure a site-to-site layer 2 software router using OpenVPN within your VPC and ensure that QoS enabled - this is a secure and cheap option
- D. Configure a site-to-site layer 3 software router using OpenVPN within your VPC and ensure that QoS enabled - this is a secure and cheap option
- E. Provision a Direct Connect connection - between your existing service provider's data center and the AWS region that your cloud compute resources exist i
- F. Configure a Virtual Private Gateway and Private Virtual Interface

**Answer: D**

#### Explanation:

Reference:  
<https://aws.amazon.com/directconnect/faqs/>

#### NEW QUESTION 4

You are your company's AWS cloud architect. You have created a VPC topology that consists of 3 VPCs. You have a centralised VPC (VPC-Shared) that provides shared services to the remaining 2 departmental dedicated VPCs (VPC-Dept1 and VPC-Dept2). The centralised VPC is VPC peered to both of the departmental VPCs, that is a VPC peering connection exists between VPC-Shared and VPC-Dept1, and a VPC peering connection exists between VPC-Shared and VPC-Dept2. Select the correct option from the list below.

- A. Network traffic is possible between VPC-Shared instances and VPC-Dept1 and VPC-Dept2 instances as long as the appropriate routes and security groups are in place, but only for communication that is initiated from VPC1-Shared instances as the default peering bi-directional communication flag has been disabled.
- B. Instances within VPC-Dept1 can communicate directly with instances in VPC-Shared, as long as the appropriate routes and security groups are in place, and vice versa regardless of who initiates communication
- C. All network communication remains blocked between all VPCs until the respective peering bidirectional communication flags are set to the appropriate setting that allows traffic to flow.
- D. Network traffic is possible between VPC-Shared instances and VPC-Dept1 and VPC-Dept2 instances as long as the appropriate routes and security groups are in place, but only for communication that is initiated from VPC1-Shared instances as the default peering bi-directional communication flag has been enabled.

**Answer: B**

#### Explanation:

Reference:  
<http://docs.aws.amazon.com/AmazonVPC/latest/PeeringGuide/peering-configurations-partialaccess.html#one-to-two-vpcs-instances>

#### NEW QUESTION 5

In your current role as the corporate network architect - you have decided to replace your existing hardware firewall appliances with a pair of Juniper SRX-Series Services Gateways. You have chosen these as AWS lists these as supportable devices for establishing IPsec connections. With this in mind, select the minimum set of options to ensure that you can establish IPsec connectivity between your on premise private corporate network and your AWS hosted VPC. Select which option is NOT required

- A. Initiate network connections from somewhere within your corporate network, this is required to bring the tunnels UP

- B. Deploy a Customer Gateway within your corporate network
- C. Deploy a Customer Gateway within your VPC
- D. Deploy a Virtual Private Gateway within your VPC

**Answer:** B

**Explanation:**

Reference:  
<https://aws.amazon.com/vpc/faqs/>

**NEW QUESTION 6**

The IPsec protocol suite is made up of various components covering aspects such as confidentiality, encryption, and integrity. Select the correct statement below regarding the correct configuration options for ensure IPsec confidentiality:

- A. The following protocols may be used to configure IPsec confidentiality, DES, 3DES, MD5
- B. The following protocols may be used to configure IPsec confidentiality, DES, 3DES, AES
- C. The following protocols may be used to configure IPsec confidentiality, PSK, RSA
- D. The following protocols may be used to configure IPsec confidentiality, PSK, MD5
- E. The following protocols may be used to configure IPsec confidentiality, PSK, RSA

**Answer:** B

**Explanation:**

Reference:  
<https://en.wikipedia.org/wiki/IPsec>

**NEW QUESTION 7**

Which of the following statements does not describe Jumbo Frames in an AWS VPC environment?

- A. For instances that are colocated inside a placement group, jumbo frames help to achieve the maximum network throughput possible
- B. Jumbo Frames are not supported for traffic that exits the Virtual Private Gateway
- C. Jumbo Frames are not supported for traffic that exits the Internet Gateway
- D. T2.micro instances do not support Jumbo Frames

**Answer:** D

**Explanation:**

Reference:  
[http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/network\\_mtu.html](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/network_mtu.html)

**NEW QUESTION 8**

An unfortunate situation has just come to your attention. A business critical application with sensitive data running on-prem will run out of storage disk space in 24hrs. This business critical application is dependent a very large set of routes - required for integration with other system. You make a quick but well informed decision to migrate this application quickly to AWS. You are able to quickly launch a new VPC and within it equivalent infrastructure to re-home the application. In order to complete the replication of application data and ensure the application remains operational beyond the next 24hrs, select the best implementation.

- A. Within the new VPC - establish a Direct Connect connection with max 10Gbps port speed for data replicatio
- B. Establish a 802.1Q VLAN and configure a Virtual Private Gateway and Private Virtual Interface, and ensure Jumbo Frames is enabled.
- C. Within the new VPC - deploy a Virtual Private Gateway, Customer Gateway, and establish a new IPsec VPN Connection with BGP dynamic routing
- D. Within the new VPC - deploy a Virtual Private Gateway, Customer Gateway, and establish a new IPsec VPN Connection with static routing, and ensure Jumbo Frames is enabled.
- E. Within the new VPC - deploy a software based virtual router (for example a Cisco CSR). Configure with dual ENIs (external and internal), create and attach an EIP to the external ENI, Configure and setup IPsec VPN tunnels, and ensure Jumbo Frames is enabled.

**Answer:** B

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/AmazonVPC/latest/NetworkAdminGuide/GenericConfig.html>

**NEW QUESTION 9**

True or false: A VPC contains multiple subnets, where each subnet can span multiple Availability Zones.

- A. This is true only for US regions.
- B. This is false.
- C. This is true.
- D. This is true only if requested during the set-up of VP

**Answer:** B

**Explanation:**

Reference:  
<https://aws.amazon.com/vpc/faqs/>

**NEW QUESTION 10**

Fill in the blanks: One of the basic characteristics of security groups for your VPC is that you \_\_\_\_\_ .

- A. can specify allow rules, but not deny rules
- B. can specify deny rules, but not allow rules
- C. can specify allow rules as well as deny rules
- D. can neither specify allow rules nor deny rules

**Answer:** A

**Explanation:**

Reference:  
[http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC\\_SecurityGroups.html](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html)

#### NEW QUESTION 10

Which of the following physical layer standards is required for connection to AWS Direct Connect over a standard 1 gigabit or 10 gigabit Ethernet fiber-optic cable?

- A. Single mode fiber, 1000BASE-LX for 1 gigabit Ethernet, or 10GBASE-ER for 10 gigabit Ethernet
- B. Multi mode fiber, 1000BASE-LX for 1 gigabit Ethernet, or 10GBASE-ER for 10 gigabit Ethernet
- C. Single mode fiber, 1000BASE-LX for 1 gigabit Ethernet, or 10GBASE-LR for 10 gigabit Ethernet
- D. Multi mode fiber, 1000BASE-SX for 1 gigabit Ethernet, or 10GBASE-SR for 10 gigabit Ethernet

**Answer:** C

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/directconnect/latest/UserGuide/Welcome.html>

#### NEW QUESTION 14

To get started using AWS Direct Connect, in which of the following steps do you configure Border Gateway Protocol (BGP)?

- A. Complete the Cross Connect
- B. Verify your Virtual Interface
- C. Create a Virtual Interface
- D. Submit AWS Direct Connect Connection Request

**Answer:** C

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/directconnect/latest/UserGuide/getstarted.html#createvirtualinterfac>

#### NEW QUESTION 19

Imagine you are using AWS Direct Connect with just one connection from your router to the AWS Direct Connect router. If your connection becomes unavailable, the communication with AWS cloud is lost. What is the best method to prevent this from happening?

- A. AWS Direct Connect neither provides BGP nor provides the failover.
- B. AWS Direct Connect recommends to have the same configuration set up in a multi AZ zone to prevent such loss in connections.
- C. AWS Direct Connect recommends that you request and configure two dedicated connections to AWS either using BGP Multipath (Active/Active) connection or the failover (Active/Passive) connection.
- D. AWS Direct connect does not have a provision to prevent the situation but when you design the system, it is recommended to request a back-up instance to which the traffic can be re-routed.

**Answer:** C

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/directconnect/latest/UserGuide/getstarted.html#RedundantConnections>

#### NEW QUESTION 20

After setting an AWS Direct Connect, which of the following cannot be done with an AWS Direct Connect Virtual Interface?

- A. You can delete a virtual interface; if its connection has no other virtual interfaces, you can delete the connection.
- B. You can change the region of your virtual interface.
- C. You can create a hosted virtual interface.
- D. You can exchange traffic between the two ports in the same region connecting to different Virtual Private Gateways (VGWs) if you have more than one virtual interface.

**Answer:** D

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/directconnect/latest/UserGuide/WorkingWithVirtualInterfaces.html>

#### NEW QUESTION 25

A user has created a VPC with CIDR 20.0.0.0/16 with only a private subnet and VPN connection using the VPC wizard. The user wants to connect to the instance in a private subnet over SSH. How should the user define the security rule for SSH?

- A. The user can connect to a instance in a private subnet using the NAT instance
- B. The user has to create an instance in EC2 Classic with an elastic IP and configure the security group of a private subnet to allow SSH from that elastic IP
- C. Allow Inbound traffic on port 22 from the user's network
- D. Allow Inbound traffic on port 80 and 22 to allow the user to connect to a private subnet over the internet

**Answer:** C

**Explanation:**

Reference:

[http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC\\_Scenario4.html](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Scenario4.html)

**NEW QUESTION 29**

In Amazon CloudFront, you cannot configure CloudFront to process cookies for \_\_\_\_.

- A. HTTPS web distributions
- B. Web and RTMP distributions
- C. RTMP distributions
- D. HTTP web distributions

**Answer:** C

**Explanation:**

Reference:

<http://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Cookies.html>

**NEW QUESTION 30**

For \_\_\_\_ distributions, CloudFront does not cache cookies in edge caches.

- A. AMI
- B. Web
- C. RTMP
- D. Web and RTMP

**Answer:** C

**Explanation:**

Reference:

<http://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Cookies.html>

**NEW QUESTION 35**

For web distributions in Amazon CloudFront, your origin can be either an Amazon S3 bucket or \_\_\_\_.

- A. a DNS server
- B. a proxy server
- C. an FTP server
- D. an HTTP server

**Answer:** D

**Explanation:**

Reference:

<http://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/distribution-overview.html>

**NEW QUESTION 36**

Which of the following does not configure Amazon CloudFront cache behaviors to forward cookies to an origin for web distributions?

- A. Origin server
- B. AWS CLI
- C. Amazon EMR
- D. Amazon S3

**Answer:** D

**Explanation:**

Reference:

<http://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Cookies.html>

**NEW QUESTION 41**

In Amazon CloudFront, which of the following is true of Smooth Streaming?

- A. It is a Microsoft format for streaming of media files.
- B. It is a CloudFront format for streaming of media files in RTMP distribution.
- C. It is the Adobe format for streaming of media files.
- D. It is a CloudFront format for streaming of media files in web distributio

**Answer:** A



**Explanation:**

Reference:

<http://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/on-demand-streamingsmooth.html>

**NEW QUESTION 45**

In the context of Amazon CloudFront Actions, you use the \_\_\_\_\_ when specifying APIs in IAM policies.

- A. object names
- B. class names
- C. entity names
- D. action names

**Answer: D**

**Explanation:**

Reference:

<http://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/UsingWithIAM.html>

**NEW QUESTION 47**

Which service is used by default to store the CloudTrail log files?

- A. Elastic Block Store (EBS)
- B. Redshift
- C. Simple Storage Service (S3)
- D. Glacier

**Answer: C**

**Explanation:**

Reference:

<http://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-working-with-log-files.html>

**NEW QUESTION 50**

With AWS CloudTrail, creating multiple trails in one region allows \_\_\_\_\_ to focus on one aspect of AWS operation.

- A. callers
- B. events
- C. buckets
- D. stakeholders

**Answer: D**

**Explanation:**

Reference:

<https://aws.amazon.com/cloudtrail/faqs/>

**NEW QUESTION 53**

In AWS, which tool records API calls for a specific AWS account and also delivers the log files for that account?

- A. CloudTrail
- B. Redshift
- C. Beanstalk
- D. Cognito

**Answer: A**

**Explanation:**

Reference:

<https://aws.amazon.com/cloudtrail/>

**NEW QUESTION 57**

Which CloudWatch attributes are used for the statistics generation?

- A. All the options are used
- B. Dimension
- C. Data point unit
- D. NameSpace

**Answer: A**

**Explanation:**

Reference:

[http://docs.aws.amazon.com/AmazonCloudWatch/latest/APIReference/API\\_MetricDatum.html](http://docs.aws.amazon.com/AmazonCloudWatch/latest/APIReference/API_MetricDatum.html)

**NEW QUESTION 58**

Which endpoint is considered to be best practise when analysing data within a Configuration Stream of AWS Config?

- A. SNS
- B. E-Mail
- C. SQS
- D. Kinesis

**Answer:** C

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/config/latest/developerguide/monitor-resource-changes.html>

**NEW QUESTION 59**

You can turn on the AWS Config service from the AWS CLI by running the subscribe command and passing as parameters a valid IAM role, SNS topic, and \_\_\_\_\_.

- A. EBS volume
- B. EC2 instance
- C. S3 bucket
- D. Kinesis stream

**Answer:** C

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/config/latest/developerguide/gs-cli-subscribe.html>

**NEW QUESTION 60**

When an AWS Config rule is triggered a JSON object known as an AWS Config Event is created. This object contains a(n) \_\_\_\_\_ attribute, which is a JSON-formatted set of key/value pairs the receiving AWS Lambda function processes as part of its evaluation logic.

- A. inputParameters
- B. invokingEvent
- C. ruleConfiguration
- D. mappingTemplate

**Answer:** A

**Explanation:**

Reference:  
[http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config\\_developrules\\_example-events.html](http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config_developrules_example-events.html)

**NEW QUESTION 65**

An AWS Config rule can be set to be evaluated if a certain set of resources undergoes a configuration change. The set of resources to which the rule applies can be restricted by the rule's \_\_\_\_\_, which can include a combination of a resource type and a resource ID, for example.

- A. trigger
- B. domain
- C. manifest
- D. scope

**Answer:** D

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config-rules.html>

**NEW QUESTION 67**

Which other AWS service is used to track 'Related Events' within the Configuration Item?

- A. AWS WAF
- B. SQS
- C. AWS CloudTrail
- D. S3

**Answer:** C

**Explanation:**

Reference:  
<http://docs.aws.amazon.com/config/latest/developerguide/resource-config-reference.html#configitem-table>

**NEW QUESTION 69**

Which element of AWS Config can be used to help maintain internal and external compliance controls?

- A. Configuration Item
- B. Configuration Recorder
- C. Configuration Streams
- D. Config Rules



**Answer:** D

**Explanation:**

Reference:  
<https://aws.amazon.com/config/>

#### NEW QUESTION 73

Each custom AWS Config rule you create must be associated with a(n) AWS \_\_\_\_\_, which contains the logic that evaluates whether your AWS resources comply with the rule.

- A. Lambda function
- B. Configuration trigger
- C. EC2 instance
- D. S3 bucket

**Answer:** A

**Explanation:**

Reference:  
[http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config\\_develop-rules.html](http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config_develop-rules.html)

#### NEW QUESTION 75

A user is trying to understand the detailed CloudWatch monitoring concept. Which of the below mentioned services does not provide detailed monitoring with CloudWatch?

- A. AWS Route53
- B. AWS EMR
- C. AWS ELB
- D. AWS RDS

**Answer:** B

**Explanation:**

Reference:  
[http://docs.aws.amazon.com/AmazonCloudWatch/latest/DeveloperGuide/supported\\_services.html](http://docs.aws.amazon.com/AmazonCloudWatch/latest/DeveloperGuide/supported_services.html)

#### NEW QUESTION 77

A user is trying to send custom metrics to CloudWatch using the PutMetricData APIs. Which of the below mentioned points should the user needs to take care while sending the data to CloudWatch?

- A. The size of a request is limited to 128KB for HTTP GET requests and 64KB for HTTP POST requests
- B. The size of a request is limited to 40KB for HTTP GET requests and 8KB for HTTP POST requests
- C. The size of a request is limited to 16KB for HTTP GET requests and 80KB for HTTP POST requests
- D. The size of a request is limited to 8KB for HTTP GET requests and 40KB for HTTP POST requests

**Answer:** D

**Explanation:**

Reference:  
[http://docs.aws.amazon.com/AmazonCloudWatch/latest/DeveloperGuide/cloudwatch\\_concepts.html](http://docs.aws.amazon.com/AmazonCloudWatch/latest/DeveloperGuide/cloudwatch_concepts.html)

#### NEW QUESTION 82

When an AWS Config rule is triggered a JSON object known as an AWS Config Event is created. This object contains a(n) \_\_\_\_\_ attribute, which is a JSON-formatted set of key/value pairs the receiving AWS Lambda function processes as part of its evaluation logic.

- A. invokingEvent
- B. mappingTemplate
- C. ruleConfiguration
- D. inputParameters

**Answer:** D

**Explanation:**

Reference:  
[http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config\\_developrules\\_example-events.html](http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config_developrules_example-events.html)

#### NEW QUESTION 87

Which of the following characters is not allowed while creating a Namespace for a CloudWatch metric?

- A. /
- B. :
- C. #
- D. @

**Answer:** D

**Explanation:**

Reference:

[http://docs.aws.amazon.com/AmazonCloudWatch/latest/DeveloperGuide/cloudwatch\\_concepts.html](http://docs.aws.amazon.com/AmazonCloudWatch/latest/DeveloperGuide/cloudwatch_concepts.html)

#### NEW QUESTION 90

You would like to ensure that all Amazon S3 buckets going forward, current and newly created ones, have logging enabled. What type of trigger(s) should you use?

- A. only a periodic trigger
- B. only a configuration change trigger
- C. both configuration change and periodic triggers
- D. only a transitioning trigger

**Answer: B**

#### Explanation:

Reference:

<http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config-rules.html>

#### NEW QUESTION 92

You have many IAM users with the ability to create EC2 volumes. Most of the data your team works with is sensitive, so you would like to make sure all volumes are encrypted. How might you facilitate this requirement?

- A. Create an AWS KMS policy and attach it to all IAM users that can create EC2 volumes
- B. Use AWS Config and create a rule that requires all volumes, upon creation, be encrypted.
- C. Use AWS Config to send out reminders to IAM users every time they create an EC2 volume.
- D. Set EC2 to notify creators to encrypt their EC2 volume

**Answer: B**

#### Explanation:

Reference:

<http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config.html>

#### NEW QUESTION 96

You can use the \_\_\_\_\_ command of the AWS Config service CLI to see the compliance state of each resource that AWS Config evaluates for a specific rule.

- A. describe-compliance-by-resource
- B. describe-compliance-by-config-rule
- C. get-compliance-details-by-config-rule
- D. get-compliance-details-by-config-rule

**Answer: C**

#### Explanation:

Reference:

[http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config\\_view-compliance.html](http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config_view-compliance.html)

#### NEW QUESTION 97

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