

Exam Questions AWS-Certified-Advanced-Networking-Specialty

Amazon AWS Certified Advanced Networking - Specialty

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NEW QUESTION 1

Select the answer/s that correctly state how Jumbo Frames work

- A. Jumbo Frames assist with application disk storage
- B. Jumbo Frames can assist with application performance
- C. Jumbo Frames are supported across Virtual Private Gateway connections
- D. Jumbo Frames are enabled by increasing the MTU size to 9000 kilobytes

Answer: B

Explanation:

Reference:

http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/network_mtu.html

NEW QUESTION 2

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 3

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

NEW QUESTION 4

Considering the rules of IPv4 subnetting, how many subnets and hosts per subnet are possible given the following network 192.168.130.130/28? (in this question ignore the fact that AWS reserves 5 IP addresses)

- A. 8 subnets and 30 hosts per subnet
- B. 16 subnets and 14 hosts per subnet
- C. 32 subnets and 30 hosts per subnet
- D. 8 subnets and 14 hosts per subnet

Answer: B

Explanation:

Reference:

https://en.wikipedia.org/wiki/IPv4_subnetting_reference

NEW QUESTION 5

Convert the following IPv4 address in presented in binary form, into dotted decimal form 10101100.01111011.00001101.10011101

- A. 172.123.13.157
- B. 173.13.13.157
- C. 172.122.13.15
- D. 172.124.13.57

Answer: A

Explanation:

Reference:

<https://en.wikipedia.org/wiki/IPv4>

NEW QUESTION 6

You have been tasked with migrating your company's proprietary massively large dataset sorting application to AWS. The application currently runs on 4 highly spec'd servers that are in a cluster arrangement and runs 24x7, with the average CPU utilisation across any 24hr period being approx 85% - the migration of this cluster once up and running on AWS is expected to run similarly. The servers shuffle data internally and between themselves. Your company's financial performance is entirely dependent on the speed at which it can sort your customers datasets, that is the faster a sorted result can be returned the better your company's bottom line. Of the choices presented below, select the optimal network configuration that will ensure the best financial results for your company.

- A. Disable Jumbo Frames to ensure better data throughput between instances
- B. Enable Jumbo Frames to ensure better data throughput between instances
- C. Create an autoscaled group of c4.8xlarge instances - with min 1 and max 4 - this will ensure your operational costs a minimal
- D. Configure a CloudWatch Alarm to add more CPUs to the instances when average cluster CPU utilisation breaches 85%

Answer: B

Explanation:

Reference:
http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/network_mtu.html

NEW QUESTION 7

To connect to public AWS products such as Amazon EC2 and Amazon S3 through the AWS Direct Link, which step is NOT required?

- A. Provide public IP address (/31) for each Border Gateway Protocol (BGP) session.
- B. Allocate a Private IP address to your network in 172.x.x.x range.
- C. Provide the public routes that you will advertise over Border Gateway Protocol (BGP).
- D. Provide a public Autonomous System Number (ASN) that you own or a private one to identify your network on the Internet.

Answer: B

Explanation:

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

NEW QUESTION 8

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

NEW QUESTION 9

In AWS Direct Connect, which of the following is true of configuring your router to connect to the AWS Direct Connect router?

- A. After creating a virtual interface for your AWS Direct Connect connection, you can download the router configuration file from the available link
- B. After Completing the Cross Connect step, the download link for router configuration will be available
- C. After submitting your AWS Direct Connect connection request, you will receive the router configuration details by email within 72 hours
- D. In Create a Virtual Interface step, the general configuration of your router would be available for downloading.

Answer: A

Explanation:

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

NEW QUESTION 10

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 10

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 11

By default, all AWS accounts are limited to EIPs, because public (IPv4) Internet addresses are a scarce public resource.

- A. 5
- B. 8
- C. 6
- D. 2

Answer: A

Explanation:

Reference:
<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html>

NEW QUESTION 16

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

NEW QUESTION 18

With respect to Amazon CloudFront, which one of the following statements is correct?

- A. For HTTPS web distributions, you cannot forward cookies to your origin.
- B. For both HTTP and HTTPS web distributions, you can choose to forward cookies to your origin.
- C. For HTTP web distributions, you cannot forward cookies to your origin.
- D. For Real Time Messaging Protocol (RTMP) distributions, you can configure CloudFront to process cookies.

Answer: B

Explanation:

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

NEW QUESTION 23

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 27

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 30

What is the maximum number of CloudTrails that you can create per AWS region?

- A. 10
- B. 2
- C. 16
- D. 5

Answer: D

Explanation:

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

NEW QUESTION 31

To directly manage your CloudTrail security layer, you can use _____ for your CloudTrail log files.

- A. SSE-S3
- B. SCE-KMS
- C. SCE-S3
- D. SSE-KMS

Answer: D

Explanation:

Reference:
<http://docs.aws.amazon.com/awsccloudtrail/latest/userguide/encrypting-cloudtrail-log-files-withaws-kms.html>

NEW QUESTION 33

What service is used to store the log files generated by CloudTrail?

- A. EC2
- B. EBS
- C. S3
- D. VPC

Answer: C

Explanation:

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

NEW QUESTION 37

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 41

AWS CloudTrail can be configured to _____ log files across multiple accounts and regions so that log files are delivered to a single bucket.

- A. aggregate
- B. disperse
- C. replicate
- D. encrypt

Answer: A

Explanation:

Reference:

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

NEW QUESTION 46

Which of the following services is used to send an alert from CloudWatch?

- A. AWS SNS
- B. AWS EBS
- C. AWS SES
- D. AWS SQS

Answer: A

Explanation:

Reference:

http://docs.aws.amazon.com/AmazonCloudWatch/latest/DeveloperGuide/related_services.html

NEW QUESTION 49

To determine whether a log file was modified, deleted, or unchanged after CloudTrail delivered it, you can use _____.

- A. trusted signers
- B. optimistic locking
- C. integrity validation
- D. root credentialing

Answer: C

Explanation:

Reference:

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

NEW QUESTION 54

What does the term "statistics" mean with respect to CloudWatch metrics?

- A. Time of a metric collection
- B. Data aggregation over a specific period of time
- C. Status of a metric
- D. Unit of a metric

Answer: B

Explanation:

Reference:

http://docs.aws.amazon.com/AmazonCloudWatch/latest/DeveloperGuide/cloudwatch_concepts.html#Statistic

NEW QUESTION 55

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 57

You can use the _____ command of the AWS Config service CLI to see the compliance state for each AWS resource of a specific type.

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

Answer: A

Explanation:

Reference:

http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config_view-compliance.html

NEW QUESTION 58

When an AWS Config rule is triggered a JSON object known as an AWS Config Event is created. This object contains another JSON string in its _____ parameter,

which describes the event that triggered the rule.

- A. resultToken
- B. eventLeftScope
- C. invokingEvent
- D. configRuleName

Answer: C

Explanation:

Reference:
http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config_developrules_example-events.html

NEW QUESTION 63

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

NEW QUESTION 65

When using AWS Config, which two items are stored on S3 as a part of its operation?

- A. Configuration Items and Configuration History
- B. Configuration Recorder and Configuration Snapshots
- C. Configuration History and Configuration Snapshots
- D. Configuration Snapshots and Configuration Streams

Answer: C

Explanation:

Reference:
<http://docs.aws.amazon.com/config/latest/developerguide/config-concepts.html#config-items>

NEW QUESTION 70

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 73

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 76

Non-compliant resources identified through the use of AWS Config Rules are automatically removed from operational service.

- A. It depends on the Rule configuration
- B. Only if it remains non-compliant for more than 6 hours

- C. True
- D. False

Answer: D

Explanation:

Reference:
http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config_view-compliance.html

NEW QUESTION 80

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

NEW QUESTION 83

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

NEW QUESTION 84

A user is having data generated randomly based on a certain event. The user wants to upload that data to CloudWatch. It may happen that event may not have data generated for some period due to randomness. Which of the below mentioned options is a recommended option for this case?

- A. For the period when there is no data, the user should not send the data at all
- B. The user must upload the data to CloudWatch as having no data for some period will cause an error at CloudWatch monitoring
- C. For the period when there is no data the user should send the value as 0
- D. For the period when there is no data the user should send a blank value

Answer: C

Explanation:

Reference:
<http://docs.aws.amazon.com/AmazonCloudWatch/latest/DeveloperGuide/publishingMetrics.html>

NEW QUESTION 86

A user has enabled detailed CloudWatch monitoring with the AWS Simple Notification Service. Which of the below mentioned statements helps the user understand detailed monitoring better?

- A. SNS cannot provide data every minute
- B. There is no need to enable since SNS provides data every minute
- C. SNS will send data every minute after configuration
- D. AWS CloudWatch does not support monitoring for SNS

Answer: A

Explanation:

Reference:
http://docs.aws.amazon.com/AmazonCloudWatch/latest/DeveloperGuide/supported_services.html

NEW QUESTION 87

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

NEW QUESTION 89

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

NEW QUESTION 93

You have several Amazon Glacier vaults you would like to monitor. How might you monitor those vaults?

- A. Create a custom AWS Config rule.
- B. Use an AWS master Config rule.
- C. Use an AWS managed Config rule.
- D. Create a KMS policy and attach it to your Amazon Glacier vault

Answer: A

Explanation:

Reference:
http://docs.aws.amazon.com/config/latest/developerguide/evaluate-config_developrules_nodejs.html#creating-custom-rules-for-additional-resource-types

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

NEW QUESTION 99

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