

Exam Questions AWS-Certified-Advanced-Networking-Specialty

Amazon AWS Certified Advanced Networking - Specialty

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NEW QUESTION 1

Considering your knowledge of both the OSI and TCP/IP models - select the following statement which you consider to NOT be true.

- A. The TCP/IP Application layer maps to 2 of the OSI Layers
- B. The top layer in the OSI model is named the Application layer
- C. The TCP/IP Application layer maps to 3 of the OSI Layers
- D. The top layer in the TCP/IP model is named the Application layer

Answer: A

Explanation:

Reference:

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

NEW QUESTION 2

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

NEW QUESTION 3

You have just provisioned a new VPC with a CIDR block of 172.16.12.0/24. The entire CIDR block is fully utilised by subdividing it into 6 subnets, we will refer to these as Subnet1 through to Subnet6.

The first 2 subnets (Subnet1 and Subnet2) are the same size. The last 4 subnets (Subnet3, Subnet4, Subnet5, Subnet6) are also the same size. Subnet5 is half the size of Subnet2. The address space occupied by the first two subnets is contiguous, as is the address space occupied by the last 4 subnets. Within Subnet3 AWS reserves the address 172.16.12.129 for the VPC router. Select the correct IP address reserved by AWS for DNS in the Subnet2.

- A. 172.16.64.1
- B. 172.16.64.65
- C. 172.16.12.66
- D. 172.16.12.64

Answer: C

Explanation:

Reference:

http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.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

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 on a very large set of routes - required for integration with other systems. 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 replication
- 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 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

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 10

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 10

Does Amazon VPC support multicast or broadcast?

- A. Yes, both.
- B. It doesn't support any of them.
- C. Multicast yes, Broadcast no.
- D. Both, but only outside Amazon VP

Answer: B

Explanation:

Reference:

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

NEW QUESTION 15

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 19

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

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 26

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 29

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 31

In Amazon CloudFront, while creating a web distribution, which of the following can be used as origin servers?

- A. Any combination AWS Glacier archives and Oracle server
- B. Any combination of Amazon DB instances and XML servers
- C. Any combination of Amazon S3 buckets and HTTP servers
- D. Any combination of Amazon Data Insights and PHP servers

Answer: C

Explanation:

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

NEW QUESTION 34

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 36

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 41

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 46

Use _____ to get more visibility into the health of your AWS Elastic Beanstalk application and take appropriate actions in case of hardware failure or performance degradation.

- A. Amazon Elastic Beanstalk command line
- B. Amazon EC2 log files
- C. Amazon CloudWatch
- D. Amazon Load balancing

Answer: C

Explanation:

Reference:

<http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/concepts.concepts.design.html>

NEW QUESTION 50

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 53

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 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

NEW QUESTION 58

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 62

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 67

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 69

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 74

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 77

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 78

You can use the _____ page of the AWS Config console to look up resources that AWS Config has discovered, including deleted resources and resources that are not currently being recorded.

- A. snapshot listing
- B. configuration history
- C. resource inventory
- D. resource database

Answer: C

Explanation:

Reference:
<http://docs.aws.amazon.com/config/latest/developerguide/looking-up-discovered-resources.html>

NEW QUESTION 83

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 88

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 92

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 93

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 97

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 101

In order to change the name of the AWS Config _____, you must stop the configuration recorder, delete the current one, and create a new one with a new name, since there can only be one of these per AWS account.

- A. SNS topic
- B. configuration history
- C. delivery channel
- D. S3 bucket path

Answer: C

Explanation:

Reference:

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

NEW QUESTION 102

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

NEW QUESTION 107

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 111

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 113

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