AWS-Certified-Advanced-Networking-Specialty Dumps

Amazon AWS Certified Advanced Networking - Specialty

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NEW QUESTION 1
You have just provisioned a new VPC a 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 as 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 2
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 VirtualInterfac
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 3
Within the TCP/IP model what is the name of the Packet Data Unit (PDU) used between Transport Layers for communication between sender and receiver

A. Frames
B. Packets
C. Data
D. Segments

Answer: D

Explanation:
 Reference:
https://en.wikipedia.org/wiki/Transmission_Control_Protocol

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 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 6
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 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
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 9
In AWS Direct Connect, to provide for failover, AWS recommends that you request and configure two dedicated connections to AWS.
These connections can terminate on one or two routers in your network. You can do this while _____ with AWS Direct Connect step.

A. creating a Virtual Interface
B. configuring redundant connections
C. completing the cross-connect
D. verifying your Virtual Interface

Answer: B

Explanation:
 Reference:
http://docs.aws.amazon.com/directconnect/latest/UserGuide/getstarted.html#RedundantConnectio ns

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
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#RedundantConnectio ns

NEW QUESTION 14
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 15
In the "start using the AWS Direct Connect steps," when can you complete the Cross Connect step?

A. After verifying your virtual interface
B. After you have received your Letter of Authorization and Connecting Facility Assignment (LOA-CFA) from AWS
C. 72 hours after submitting your request for AWS Direct Connect Connection
D. Immediately after submitting your request for AWS Direct Connect Connection

Answer: B

Explanation:
Reference:
http://docs.aws.amazon.com/directconnect/latest/UserGuide/Colocation.html

NEW QUESTION 18
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 22
In Amazon CloudFront, if you need to quickly remove objects from a distribution, you can:

A. delete the objects from cache.
B. invalidate the objects.
C. remove your Amazon S3 bucket.
D. delete your distribution and recreate i

Answer: B

Explanation:
 Reference:
http://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/AddRemoveReplaceObject s.html

NEW QUESTION 24
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 26
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 27
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 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
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 35
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 38
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 40
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/awscloudtrail/latest/userguide/encrypting-cloudtrail-log-files-withaws- kms.html

NEW QUESTION 45
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 50
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 55
Which of the following statements is true of AWS Elastic Beanstalk?

A. AWS Elastic Beanstalk uses CloudWatch for monitoring and alarms, meaning CloudWatch costs are applied to your AWS account for any alarms that you use.
B. AWS Elastic Beanstalk uses CloudWatch for monitoring and alarms, and both are free of charge.
C. AWS Elastic Beanstalk doesn't use CloudWatch for monitoring and alarms, but you pay extra for any AWS Elastic Beanstalk Alarm you set in the monitoring tool.
D. AWS Elastic Beanstalk has its own free-of-charge monitoring tool, and you are not charged for the alarm you set.

Answer: A

Explanation:
 Reference:
http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/using-features.alarms.html

NEW QUESTION 59
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 61
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.ht ml#Statistic

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 68
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 73
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 76
A user is collecting 1000 records per second. The user wants to send the data to CloudWatch using a custom namespace, Which of the below mentioned options is recommended for this activity?

A. Aggregate the data with statistics, such as Min, max, Average, Sum and Sample data and send the data to CloudWatch
B. Send all the data values to CloudWatch in a single command by separating them with a comm
C. CloudWatch will parse automatically
D. It is not possible to send all the data in one cal
E. Thus, it should be sent one by on
F. CloudWatch will aggregate the data automatically
G. Create one csv file of all the data and send a single file to CloudWatch

Answer: A

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

NEW QUESTION 78
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.ht ml

NEW QUESTION 83
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 88
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.ht ml

NEW QUESTION 89
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
A user is running a batch process on EBS backed EC2 instances. The batch process launches few EC2 instances to process hadoop Map reduce jobs which can run between 50 – 600 minutes or
sometimes for even more time. The user wants a configuration that can terminate the instance only when the process is completed. How can the user configure this with CloudWatch?

A. Configure a job which terminates all instances after 600 minutes
B. It is not possible to terminate instances automatically
C. Set up the CloudWatch with Auto Scaling to terminate all the instances
D. Configure the CloudWatch action to terminate the instance when the CPU utilization falls below 5%

Answer: D

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

NEW QUESTION 101
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