

Amazon-Web-Services

Exam Questions DVA-C01

AWS Certified Developer Associate Exam



NEW QUESTION 1

How long can you keep your Amazon SQS messages in Amazon SQS queues?

- A. From 120 secs up to 4 weeks
- B. From 10 secs up to 7 days
- C. From 60 secs up to 2 weeks
- D. From 30 secs up to 1 week

Answer: C

Explanation:

The SQS message retention period is configurable and can be set anywhere from 1 minute to 2 weeks. The default is 4 days and once the message retention limit is reached your messages will be automatically deleted. The option for longer message retention provides greater flexibility to allow for longer intervals between message production and consumption.

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

NEW QUESTION 2

In regard to DynamoDB, which of the following statements is correct?

- A. An Item should have at least two value sets, a primary key and another attribute.
- B. An Item can have more than one attributes.
- C. A primary key should be single-valued.
- D. An attribute can have one or several other attribute

Answer: B

Explanation:

In Amazon DynamoDB, a database is a collection of tables. A table is a collection of items and each item is a collection of attributes.

Reference: <http://docs.aws.amazon.com/amazondynamodb/latest/developerguide/DataModel.html>

NEW QUESTION 3

Which one of the following statements is NOT an advantage of DynamoDB being built on Solid State Drives:

- A. serve high-scale request workloads
- B. low request pricing
- C. high I/O performance of WebApp on EC2 instance
- D. low-latency response times

Answer: C

Explanation:

In DynamoDB, SSDs help achieve design goals of predictable low-latency response times for storing and accessing data at any scale. The high I/O performance of SSDs also enables to serve high-scale request workloads cost efficiently, and to pass this efficiency along in low request pricing.

Reference: <http://aws.amazon.com/dynamodb/faqs/>

NEW QUESTION 4

In DynamoDB, to get a detailed listing of secondary indexes on a table, you can use the action.

- A. DescribeTable
- B. BatchGetItem
- C. GetItem
- D. TableName

Answer: A

Explanation:

In DynamoDB, DescribeTable returns information about the table, including the current status of the table, when it was created, the primary key schema, and any indexes on the table.

Reference: <http://docs.aws.amazon.com/amazondynamodb/latest/developerguide/SecondaryIndexes.html>

NEW QUESTION 5

An organization has launched two applications: one for blogging and one for ECM on the same AWS Linux EC2 instance running in the AWS VPC. The organization has attached two private IPs (primary and secondary) to the above mentioned instance. The organization wants the instance OS to recognize the secondary IP address. How can the organization configure this?

- A. Use the ec2-net-utility package which updates routing tables, uses DHCP to refresh the secondary IP and adds the network interface.
- B. Use the ec2-net-utils package which will configure an additional network interface and update the routing table
- C. Use the ec2-ip-update package which can configure the network interface as well as update the secondary IP with DHCP.
- D. Use the ec2-ip-utility package which can update the routing tables as well as refresh the secondary IP using DHCP.

Answer: B

Explanation:

A Virtual Private Cloud (VPC) is a virtual network dedicated to the user's AWS account. It enables the user to launch AWS resources into a virtual network that the user has defined. With VPC the user can specify multiple private IP addresses for his instances.

The number of network interfaces and private IP addresses that a user can specify for an instance depends on the instance type. This scenario helps when the user wants to host multiple websites on a single EC2 instance. After the user has assigned a secondary private IP address to his instance, he needs to configure the operating system on that instance to recognize the secondary private IP address. For AWS Linux, the ec2-net-utils package can take care of this step. It configures additional network interfaces that the user can attach while the instance is running, refreshes secondary IP addresses during DHCP lease renewal, and updates the related routing rules.

Reference: <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/MultipleIP.html>

NEW QUESTION 6

In relation to Amazon SQS, how many queues and messages can you have per queue for each user?

- A. Unlimited
- B. 10
- C. 256
- D. 500

Answer: A

Explanation:

Amazon SQS supports an unlimited number of queues and unlimited number of messages per queue for each user. Please be aware that Amazon SQS automatically deletes messages that have been in the queue for more than 4 days.

Reference: <https://aws.amazon.com/items/1343?externalID=1343>

NEW QUESTION 7

Doug has created a VPC with CIDR 10.201.0.0/16 in his AWS account. In this VPC he has created a public subnet with CIDR block 10.201.31.0/24. While launching a new EC2 from the console, he is not able to assign the private IP address 10.201.31.6 to this instance. Which is the most likely reason for this issue?

- A. Private IP address 10.201.31.6 is not part of the associated subnet's IP address range.
- B. Private IP address 10.201.31.6 is blocked via ACLs in Amazon infrastructure as a part of platform security.
- C. Private address IP 10.201.31.6 is currently assigned to another interface.
- D. Private IP address 10.201.31.6 is reserved by Amazon for IP networking purpose

Answer: C

Explanation:

In Amazon VPC, you can assign any Private IP address to your instance as long as it is: Part of the associated subnet's IP address range

Not reserved by Amazon for IP networking purposes Not currently assigned to another interface Reference: <http://aws.amazon.com/vpc/faqs/>

NEW QUESTION 8

Regarding Amazon SNS, to begin using Amazon SNS mobile push notifications, you first need that uses one of the supported push notification services: APNS, GCM, or ADM.

- A. an access policy for the mobile endpoints
- B. to active push notification service of Amazon SNS
- C. to know the type of mobile device operating system
- D. an app for the mobile endpoints

Answer: D

Explanation:

In Amazon SNS, to begin using Amazon SNS mobile push notifications, you first need an app for the mobile endpoints that uses one of the supported push notification services: APNS, GCM, or ADM. After you've registered and configured the app to use one of these services, you configure Amazon SNS to send push notifications to the mobile endpoints.

Reference: <http://docs.aws.amazon.com/sns/latest/dg/SNSMobilePush.html>

NEW QUESTION 9

How many types of block devices does Amazon EC2 support?

- A. 5
- B. 1
- C. 2
- D. 4

Answer: C

Explanation:

Amazon EC2 supports 2 types of block devices. Reference:

<http://docs.amazonwebservices.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html>

NEW QUESTION 10

ExamKiller (with AWS account ID H1122223333) has created 50 IAM users for its orgAMzation's employees. ExamKiller wants to make the AWS console login URL for all IAM users as: [https:// examkil|er.signin.aws.amazon.com/conso|e/](https://examkiller.signin.aws.amazon.com/console/). How can this be configured?

- A. Create a bucket with the name ExamKil|er and map it with the IAM alias
- B. It is not possible to have capital letters as a part of the alias name
- C. The user needs to use Route 53 to map the ExamKiller domain and IAM URL
- D. For the AWS account, create an alias ExamKiller for the IAM login

Answer:

B

Explanation:

If a user wants the URL of the AWS IAM sign-in page to have the company name instead of the AWS account ID, he can create an alias for his AWS account ID. The alias must be unique across all Amazon WebServices products and contain only digits, lowercase letters, and hyphens.

Reference: <http://docs.aws.amazon.com/IAM/latest/UserGuide/AccountAlias.html>

NEW QUESTION 10

A user has created a MySQL RDS instance. Which of the below mentioned options is mandatory to configure while creating an instance?

- A. Multi AZ deployment setup
- B. Automated backup window
- C. Availability Zone
- D. Maintenance window

Answer: A

Explanation:

When creating an RDS instance, the user needs to specify whether it is Multi AZ or not. If the user does not provide the value for the zone, the maintenance window or automated backup window, RDS will automatically select the value.

Reference: <http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html>

NEW QUESTION 12

An online gaming site asked you if you can deploy a database that is a fast, highly scalable NoSQL database service in AWS for a new site that he wants to build. Which database should you recommend?

- A. Amazon Redshift
- B. Amazon SimpleDB
- C. Amazon DynamoDB
- D. Amazon RDS

Answer: C

Explanation:

Amazon DynamoDB is ideal for database applications that require very low latency and predictable performance at any scale but don't need complex querying capabilities like joins or transactions. Amazon DynamoDB is a fully-managed NoSQL database service that offers high performance, predictable throughput and low cost. It is easy to set up, operate, and scale.

With Amazon DynamoDB, you can start small, specify the throughput and storage you need, and easily scale your capacity requirements on the fly. Amazon DynamoDB automatically partitions data over a number of servers to meet your request capacity. In addition, DynamoDB automatically replicates your data synchronously across multiple Availability Zones within an AWS Region to ensure high-availability and data durability.

Reference: https://aws.amazon.com/running_databases/#dynamodb_anchor

NEW QUESTION 15

Regarding Amazon SWF, the coordination logic in a workflow is contained in a software program called a

- A. Handler
- B. Decider
- C. Coordinator
- D. Worker

Answer: B

Explanation:

In Amazon SWF, the coordination logic in a workflow is contained in a software program called a decider. The decider schedules activity tasks, provides input data to the activity workers, processes events that arrive while the workflow is in progress, and ultimately ends (or closes) the workflow when the objective has been completed.

Reference: <http://docs.aws.amazon.com/amazonswf/latest/developerguide/swf-dg-intro-to-swf.html>

NEW QUESTION 18

A user has setup an application on EC2 which uses the IAM user access key and secret access key to make secure calls to S3. The user wants to temporarily stop the access to S3 for that IAM user. What should the root owner do?

- A. Delete the IAM user
- B. Change the access key and secret access key for the users
- C. Disable the access keys for the IAM user
- D. Stop the instance

Answer: C

Explanation:

If the user wants to temporarily stop the access to S3 the best solution is to disable the keys. Deleting the user will result in a loss of all the credentials and the app will not be useful in the future. If the user stops the instance IAM users can still access S3. The change of the key does not help either as they are still active. The best possible solution is to disable the keys.

Reference: <http://docs.aws.amazon.com/IAM/latest/UserGuide/ManagingCredentials.html>

NEW QUESTION 22

Is there a limit to how much throughput you can get out of a single table in DynamoDB?

- A. Yes, not more than 1,000 writes/second or 1,000 reads/second
- B. No
- C. Yes, not more than 10,000 writes/second or 10,000 reads/second
- D. No, but If you wish to exceed throughput rates of 10,000 writes/second or 10,000 reads/second, you must first contact AWS.

Answer: D

Explanation:

In DynamoDB, you can increase the throughput you have provisioned for your table using UpdateTable API or in the AWS Management Console. If you wish to exceed throughput rates of 10,000 writes/second or 10,000 reads/second, you must first contact AWS.

Reference: <http://aws.amazon.com/dynamodb/>

NEW QUESTION 25

In AWS Elastic Beanstalk, you can update your deployed application even while it is part of a running environment. For a Java application, you can also use to update your deployed application.

- A. the AWS Toolkit for Eclipse
- B. the AWS Toolkit for Visual Studio
- C. the AWS Toolkit for JVM
- D. the AWS Toolkit for Netbeans

Answer: A

Explanation:

In AWS Elastic Beanstalk, you can update your deployed application, even while it is part of a running environment. For a Java application, you can also use the AWS Toolkit for Eclipse to update your deployed application.

Reference: <http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/GettingStarted.Walkthrough.html>

NEW QUESTION 26

Can you configure an RDS Read Replica using CloudFormation templates?

- A. Yes, provided that you have root access.
- B. Yes, when you create a new CloudFormation template
- C. Yes, but not for all Regions.
- D. No, you can add the ReadReplica only when the resource is made available by CloudFormation

Answer: B

Explanation:

AWS CloudFormation gives developers and systems administrators an easy way to create and manage collections of AWS resources. You can now set Read Replicas for your databases with RDS when you create a new CloudFormation template. You can start using it with the sample template of CloudFormation.

Reference:

https://s3.amazonaws.com/cloudformation-templates-us-east-1/RDS_MySQL_With_Read_Replica.template

NEW QUESTION 30

When using Amazon SQS how much data can you store in a message?

- A. 8 KB
- B. 2 KB
- C. 16 KB
- D. 4 KB

Answer: A

Explanation:

With Amazon SQS version 2008-01-01, the maximum message size for both SOAP and Query requests is 8KB.

If you need to send messages to the queue that are larger than 8 KB, AWS recommends that you split the information into separate messages. Alternatively, you could use Amazon S3 or Amazon SimpleDB to hold the information and include the pointer to that information in the Amazon SQS message.

If you send a message that is larger than 8KB to the queue, you will receive a MessageTooLong error with HTTP code 400.

Reference: <https://aws.amazon.com/items/1343?externalID=1343>

NEW QUESTION 34

When you use the AWS Elastic Beanstalk console to deploy a new application you'll need to upload a source bundle and it should .

- A. Consist of a single .zip file
- B. Consist of a single .war file
- C. Consist of a single .zip file or .war file
- D. Consist of a folder with all files

Answer: C

Explanation:

When you use the AWS Elastic Beanstalk console to deploy a new application or an application version, you'll need to upload a source bundle. Your source bundle must meet the following requirements: Consist of a single .zip file or .war file

Not exceed 512 MB

Not include a parent folder or top-level directory (subdirectories are fine) Reference:

<http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/using-features.deployment.source.html>

NEW QUESTION 38

A user had defined an IAM policy similar to the one given below on a bucket:

```
{
  "Version": "2012-10-17",
  "Statement": [{
    "Effect": "Allow",
    "Principal": {
      "AWS": "arn:aws:iam::12112112:user/test"
    }
  }],
  "Action": [ "s3:GetBucketLocation", "s3:ListBucket", "s3:GetObject" ],
  "Resource": [ "arn:aws:s3:::examkiller" ]
}
```

What will this do?

- A. It will result in an error saying invalid policy statement
- B. It will create an IAM policy for the user test
- C. Allows the user test of the AWS account ID 12112112 to perform GetBucketLocation, ListBucket and GetObject on the bucket examkiller
- D. It will allow all the IAM users of the account ID 12112112 to perform GetBucketLocation, ListBucket and GetObject on bucket examkiller

Answer: C

Explanation:

The IAM policy allows to test a user in the account 12112112 to perform: s3:GetBucketLocation
s3:ListBucket s3:GetObject

Amazon S3 permissions on the examkiller bucket.

Reference: <http://docs.aws.amazon.com/AmazonS3/latest/dev/access-policy-language-overview.html>

NEW QUESTION 41

A user has configured a bucket S3 to host a static website. What difference will there be when static website hosting is enabled?

- A. It will help the user identify this bucket as the website root to map with the domain
- B. It will create a new version of the bucket
- C. It will not make any difference, but will help the user to configure the error page
- D. It will provide the region specific website endpoint

Answer: D

Explanation:

To host a static website, the user needs to configure an Amazon S3 bucket for website hosting and then upload the website contents to the bucket. The website is then available at the region-specific website endpoint of the bucket.

Reference: <http://docs.aws.amazon.com/AmazonS3/latest/dev/WebsiteHosting.html>

NEW QUESTION 42

A user is trying to create a list of IAM users with the AWS console. When the IAM users are created which of the below mentioned credentials will be enabled by default for the user?

- A. IAM access key and secret access key
- B. IAM X.509 certificates
- C. Nothin
- D. Everything is disabled by default
- E. IAM passwords

Answer: C

Explanation:

Newly created IAM users have no password and no access key (access key ID and secret access key). If the user needs to administer your AWS resources using the AWS Management Console, you can create a password for the user. If the user needs to interact with AWS programmatically (using the command line interface (CLI), the AWS SDK, or service-specific APIs), you can create an access key for that user. The credentials you create for users are what they use to uniquely identify themselves to AWS.

Reference: http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_WorkingWithGroupsAndUsers.html

NEW QUESTION 45

A user has created photo editing software and hosted it on EC2. The software accepts requests from the user about the photo format and resolution and sends a message to S3 to enhance the picture accordingly. Which of the below mentioned AWS services will help make a scalable software with the AWS infrastructure in this scenario?

- A. AWS Elastic Transcoder
- B. AWS Simple Notification Service
- C. AWS Simple Queue Service
- D. AWS Glacier

Answer: C

Explanation:

Amazon Simple Queue Service (SQS) is a fast, reliable, scalable, and fully managed message queuing service. SQS provides a simple and cost-effective way to

decouple the components of an application. The user can configure SQS, which will decouple the call between the EC2 application and S3. Thus, the application does not keep waiting for S3 to provide the data.

Reference: <http://aws.amazon.com/sqs/faqs/>

NEW QUESTION 48

A user is planning to host a mobile game on EC2 which sends notifications to active users on either high score or the addition of new features. The user should get this notification when he is online on his mobile device. Which of the below mentioned AWS services can help achieve this functionality?

- A. AWS Simple Notification Service.
- B. AWS Simple Queue Service.
- C. AWS Mobile Communication Service.
- D. AWS Simple Email Serv

Answer: A

Explanation:

Amazon Simple Notification Service (Amazon SNS) is a fast, filexible, and fully managed push messaging service. Amazon SNS makes it simple and cost-effective to push to mobile devices, such as iPhone, iPad, Android, Kindle Fire, and internet connected smart devices, as well as pushing to other distributed services.

Reference: <http://aws.amazon.com/sns>

NEW QUESTION 53

Regarding Amazon SQS, what happens if there is no actMty against a queue for more than 30 consecutive days?

- A. Your account will be suspended
- B. The queue may be deleted
- C. Nothing
- D. The queue will be deleted

Answer: B

Explanation:

AWS reserve the right to delete a queue if none of the following requests have been issued against the queue for more than 30 consecutive days:

SendMessage ReceiveMessage DeleteMessage GetQueueAttributes SetQueueAttributes

You should design your application with this in mind. Reference: <https://aws.amazon.com/sqs/faqs/>

NEW QUESTION 57

ExamKiller (with AWS account ID H1122223333) has created 50 IAM users for its orgAMzation's employees. ExamKil|er wants to make the AWS console login URL for all IAM users like: <https://examki|er.signin.aws.amazon.com/console/>. How can this be configured?

- A. The user needs to use Route 53 to map the examkiller domain and IAM URL
- B. Create an IAM AWS account alias with the name examkiller
- C. It is not possible to have a personalized IAM login URL
- D. Create an IAM hosted zone Identity for the domain examkiller

Answer: B

Explanation:

If a user wants the URL of the AWS IAM sign-in page to have a company name instead of the AWS account ID, he can create an alias for his AWS account ID.

Reference: <http://docs.aws.amazon.com/IAM/latest/UserGuide/AccountAlias.html>

NEW QUESTION 59

In regards to Amazon SQS how many times will you receive each message?

- A. At least twice
- B. Exactly once
- C. As many times as you want
- D. At least once

Answer: D

Explanation:

Amazon SQS is engineered to provide "at least once" delivery of all messages in its queues. Although most of the time, each message will be delivered to your application exactly once, you should design your system so that processing a message more than once does not create any errors or inconsistencies. Reference: <https://aws.amazon.com/sqs/faqs/>

NEW QUESTION 61

A user is running a webserver on EC2. The user wants to receive the SMS when the EC2 instance utilization is above the threshold limit. Which AWS services should the user configure in this case?

- A. AWS CloudWatch + AWS SES.
- B. AWS CloudWatch + AWS SNS.
- C. AWS CloudWatch + AWS SQS.
- D. AWS EC2 + AWS Cloudwatc

Answer: B

Explanation:

Amazon SNS makes it simple and cost-effective to push to mobile devices, such as iPhone, iPad, Android, Kindle Fire, and internet connected smart devices, as well as pushing to other distributed services. In this case, the user can configure that Cloudwatch sends an alarm on when the threshold is crossed to SNS which will trigger an SMS.

Reference: <http://aws.amazon.com/sns/>

NEW QUESTION 63

A user has setup Multi AZ with the MS SQL RDS instance. Which of the below mentioned functionalities can be achieved by the user?

- A. High availability
- B. Scalability
- C. MS SQL does not support Multi AZ
- D. Disaster recovery

Answer: C

Explanation:

The Multi AZ feature allows the user to achieve High Availability. MS SQL does not support Multi AZ. Reference: <https://aws.amazon.com/rds/faqs/#36>

NEW QUESTION 65

A user has configured ELB. Which of the below mentioned protocols the user can configure for ELB health checks while setting up ELB?

- A. All of the options
- B. TCP
- C. HTTPS
- D. SSL

Answer: A

Explanation:

An ELB performs a health check on its instances to ensure that it diverts traffic only to healthy instances. The ELB can perform a health check on HTTP, HTTPS, TCP and SSL protocols.

Reference: <http://docs.aws.amazon.com/ElasticLoadBalancing/latest/DeveloperGuide/Welcome.html>

NEW QUESTION 68

can be used to bootstrap both the Chef Server and Chef Client software on your EC2 instances.

- A. AWS CloudFormation
- B. AWS Elastic Beanstalk
- C. AWS OpsWorks
- D. Amazon Glacier

Answer: A

Explanation:

AWS CloudFormation can be used to bootstrap both the Chef Server and Chef Client software on your EC2 instances.

Reference: <http://aws.amazon.com/cloudformation/faqs/>

NEW QUESTION 69

A user has launched a MySQL RDS. The user wants to plan for the DR and automate the snapshot. Which of the below mentioned functionality offers this option with RDS?

- A. Copy snapshot
- B. Automated synchronization
- C. Snapshot
- D. Automated backup

Answer: D

Explanation:

Amazon RDS provides two different methods for backing up and restoring the Amazon DB instances: automated backups and DB snapshots. Automated backups automatically back up the DB instance during a specific, user-definable backup window, and keep the backups for a limited, user-specified period of time.

Reference: <http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Overview.BackingUpAndRestoringAmazonRDSInstances.html>

NEW QUESTION 71

Which header received at the EC2 instance identifies the port used by the client while requesting ELB?

- A. X-Forwarded-Proto
- B. X-Requested-Proto
- C. X-Forwarded-Port
- D. X-Requested-Port

Answer: C

Explanation:

The X-Forwarded-Port request header helps the user identify the port used by the client while sending a request to ELB.

Reference: <http://docs.aws.amazon.com/ElasticLoadBalancing/latest/DeveloperGuide/TerminologyandKeyConcepts.html>

NEW QUESTION 76

A user is using an EBS backed instance. Which of the below mentioned statements is true?

- A. The user will be charged for volume and instance only when the instance is running
- B. The user will be charged for the volume even if the instance is stopped
- C. The user will be charged only for the instance running cost
- D. The user will not be charged for the volume if the instance is stopped

Answer: B

Explanation:

If a user has launched an EBS backed instance, the user will be charged for the EBS volume even though the instance is in a stopped state. The instance will be charged for the EC2 hourly cost only when it is running.

Reference: <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-detaching-volume.html>

NEW QUESTION 78

AWS Elastic Beanstalk will change the health status of a web server environment tier to gray color when:

- A. AWS Elastic Beanstalk detects other problems with the environment that are known to make the application unavailable
- B. Your application hasn't responded to the application health check URL within the last one hour.
- C. Your application hasn't responded to the application health check URL within the last five minutes.
- D. Your application's health status is unknown because status is reported when the application is not in the ready state.

Answer: D

Explanation:

AWS Elastic Beanstalk will change the health status of a web server environment tier to gray color when your application's health status is unknown (because status is reported when the application is not in the ready state).

Reference: <http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/using-features.healthstatus.html>

NEW QUESTION 82

A user wants to access RDS from an EC2 instance using IP addresses. Both RDS and EC2 are in the same region, but different AZs. Which of the below mentioned options help configure that the instance is accessed faster?

- A. Configure the Private IP of the Instance in RDS security group
- B. Security group of EC2 allowed in the RDS security group
- C. Configuring the elastic IP of the instance in RDS security group
- D. Configure the Public IP of the instance in RDS security group

Answer: A

Explanation:

If the user is going to specify an IP range in RDS security group, AWS recommends using the private IP address of the Amazon EC2 instance. This provides a more direct network route from the Amazon EC2 instance to the Amazon RDS DB instance, and does not incur network charges for the data sent outside of the Amazon network.

Reference: http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_WorkingWithSecurityGroups.html

NEW QUESTION 83

A user is planning to use EBS for his DB requirement. The user already has an EC2 instance running in the VPC private subnet. How can the user attach the EBS volume to a running instance?

- A. The user must create EBS within the same VPC and then attach it to a running instance.
- B. The user can create EBS in the same zone as the subnet of instance and attach that EBS to instance.
- C. It is not possible to attach an EBS to an instance running in VPC until the instance is stopped.
- D. The user can specify the same subnet while creating EBS and then attach it to a running instance

Answer: B

Explanation:

A Virtual Private Cloud (VPC) is a virtual network dedicated to the user's AWS account. The user can create subnets as per the requirement within a VPC. The VPC is always specific to a region. The user can create a VPC which can span multiple Availability Zones by adding one or more subnets in each Availability Zone. The instance launched will always be in the same availability zone of the respective subnet. When creating an EBS the user cannot specify the subnet or VPC. However, the user must create the EBS in the same zone as the instance so that it can attach the EBS volume to the running instance.

Reference: http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html#VPCSubnet

NEW QUESTION 87

An organization is hosting an application as part of the free usage tier. The organization wants to create IAM users for each of its 150 employees and they may access AWS as part of free usage tier. What will you advise the organization?

- A. The IAM is not available as a part of the free usage tier
- B. Create IAM roles and give access based on role since it will not cost the user
- C. Do not create more than 100 users as it will cost the organization.
- D. Create IAM users for each employee as it does not cost

Answer: D

Explanation:

IAM is a free service. You can create as many IAM users or groups as desired free of cost. Reference:

http://docs.aws.amazon.com/IAM/latest/UserGuide/IAM_Introduction.htm

NEW QUESTION 88

A user has configured ELB with two instances running in separate AZs of the same region? Which of the below mentioned statements is true?

- A. Multi AZ instances will provide HA with ELB
- B. Multi AZ instances are not possible with a single ELB
- C. Multi AZ instances will provide scalability with ELB
- D. The user can achieve both HA and scalability with ELB

Answer: A

Explanation:

If a user is running two instances in separate AZs, it will provide HA with ELB since ELB will automatically stop routing the traffic to unhealthy instances and send it to healthy instances only.

NEW QUESTION 90

What is the data model of DynamoDB?

- A. "Items", with Keys and one or more Attribute; and "Attribute", with Name and Value.
- B. "Database", which is a set of "Tables", which is a set of "Items", which is a set of "Attributes".
- C. "Table", a collection of Items; "Items", with Keys and one or more Attribute; and "Attribute", with Name and Value.
- D. "Database", a collection of Tables; "Tables", with Keys and one or more Attribute; and "Attribute", with Name and Value.

Answer: C

Explanation:

The data model of DynamoDB is: "Table", a collection of Items;

"Items", with Keys and one or more Attribute; "Attribute", with Name and Value.

Reference: <http://docs.aws.amazon.com/amazondynamodb/latest/developerguide/DataModel.html>

NEW QUESTION 95

In regard to DynamoDB, can I modify the index once it is created?

- A. Yes, if it is a primary hash key index
- B. Yes, if it is a Global secondary index
- C. No
- D. Yes, if it is a local secondary index

Answer: C

Explanation:

Currently, in DynamoDB, an index cannot be modified once it is created. Reference: http://aws.amazon.com/dynamodb/faqs/#security_anchor

NEW QUESTION 99

True or False: AWS CloudFormation allows you to create Microsoft Windows stacks.

- A. False, AWS CloudFormation does not support Microsoft Windows.
- B. False, Amazon doesn't support Microsoft Windows.
- C. False, you cannot create Windows stacks.
- D. True

Answer: D

Explanation:

AWS CloudFormation allows you to create Microsoft Windows stacks based on Amazon EC2 Windows Amazon Machine Images (AMIs) and provides you with the ability to install software, to use remote desktop to access your stack, and to update and configure your stack.

Reference: <http://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/cfn-windows-stacks.html>

NEW QUESTION 103

An ELB is diverting traffic across 5 instances. One of the instances was unhealthy only for 20 minutes. What will happen after 20 minutes when the instance becomes healthy?

- A. ELB will never divert traffic back to the same instance
- B. ELB will not automatically send traffic to the same instance
- C. However, the user can configure to start sending traffic to the same instance
- D. ELB starts sending traffic to the instance once it is healthy
- E. ELB terminates the instance once it is unhealthy
- F. Thus, the instance cannot be healthy after 10 minutes

Answer: C

Explanation:

AWS Elastic Load Balancing continuously checks the health of an instance. If one of the instances is unhealthy it stops sending traffic to it and automatically reroutes the traffic to the remaining running EC2 instances. If the failed EC2 instance is restored, Elastic Load Balancing will again start sending traffic to that instance.

Reference: <http://docs.aws.amazon.com/ElasticLoadBalancing/latest/DeveloperGuide/SvcIntro.htm>

NEW QUESTION 105

When a user is launching an instance with EC2, which of the below mentioned options is not available during the instance launch console for a key pair?

- A. Proceed without the key pair
- B. Upload a new key pair
- C. Select an existing key pair
- D. Create a new key pair

Answer: B

Explanation:

While launching an EC2 instance, the user can create a new key pair, select an existing key pair or proceed without a key pair. The user cannot upload a new key pair in the EC2 instance launch console. Reference: <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/launching-instance.html>

NEW QUESTION 109

A user is creating an EBS volume. He asks for your advice. Which advice mentioned below should you not give to the user for creating an EBS volume?

- A. Take the snapshot of the volume when the instance is stopped
- B. Stripe multiple volumes attached to the same instance
- C. Create an AMI from the attached volume
- D. Attach multiple volumes to the same instance

Answer: C

Explanation:

When a user creates an EBS volume, the user can attach it to a running instance. The user can attach multiple volumes to the same instance and stripe them together to increase the I/O. The user can take a snapshot from the existing volume but cannot create an AMI from the volume. However, the user can create an AMI from a snapshot.

Reference: <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumes.html>

NEW QUESTION 112

AWS Elastic Beanstalk stores your application files and optionally server log files in .

- A. Amazon Storage Gateway
- B. Amazon Glacier
- C. Amazon EC2
- D. Amazon S3

Answer: D

Explanation:

AWS Elastic Beanstalk stores your application files and optionally server log files in Amazon S3. If you are using the AWS Management Console, Git, the AWS Toolkit for Visual Studio, or AWS Toolkit for Eclipse, an Amazon S3 bucket will be created in your account for you and the files you upload will be automatically copied from your local client to Amazon S3. Optionally, you may configure Elastic Beanstalk to copy your server log files every hour to Amazon S3. You do this by editing the environment configuration settings.

Reference: <http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/AWSHowTo.html>

NEW QUESTION 116

A user has enabled automated backup for an RDS instance. What is the longest duration for which the user can retain the automated backup?

- A. 25 days
- B. 15 days
- C. 45 days
- D. 35 days

Answer: D

Explanation:

Amazon RDS provides two different methods for backing up and restoring the Amazon DB instances: automated backups and DB snapshots. Automated backups automatically back up the DB instance during a specific, user-definable backup window, and keep the backups for a limited, user-specified period of time. The maximum period can be 35 days.

Reference: <http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Overview.BackingUpAndRestoringAmazonRDSInstances.html>

NEW QUESTION 117

An organization has 10 departments. The organization wants to track the AWS usage of each department. Which of the below mentioned options meets the requirement?

- A. Setup IAM groups for each department and track their usage
- B. Create separate accounts for each department, but use consolidated billing for payment and tracking
- C. Create separate accounts for each department and track them separately
- D. Setup IAM users for each department and track their usage

Answer: B

Explanation:

The cost of an IAM user or groups can never be tracked separately for the purpose of billing. The best solution in this case is to create a separate account for each department and use consolidated billing. Reference: http://docs.aws.amazon.com/IAM/latest/UserGuide/IAM_Introduction.html

NEW QUESTION 122

A user has configured an automated backup between 5 AM — 5:30 AM for the MySQL RDS DB. Will the performance of RDS get frozen momentarily during a backup?

- A. No
- B. Yes, only if the instance size is smaller than large size
- C. Yes, provided it is a single zone implementation
- D. Yes, always

Answer: C

Explanation:

Amazon RDS provides two different methods for backing up and restoring the Amazon DB instances. A brief I/O freeze, typically lasting a few seconds, occurs during both automated backups and DB snapshot operations on Single-AZ DB instances.

Reference: <http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Overview.BackingUpAndRestoringAmazonRDSInstances.html>

NEW QUESTION 123

A root AWS account owner has created three IAM users: Bob, John and Michael. Michael is the IAM administrator. Bob and John are not the superpower users, but users with some pre-defined policies. John does not have access to modify his password. Thus, he asks Bob to change his password. How can Bob change John's password?

- A. This statement is false
- B. It should be Michael who changes the password for John
- C. It is not possible that John cannot modify his password
- D. Provided Bob is the manager of John
- E. Provided Michael has added Bob to a group, which has permissions to modify the IAM passwords

Answer: D

Explanation:

Generally with IAM users, the password can be modified in two ways. The first option is to define the IAM level policy which allows each user to modify their own passwords. The other option is to create a group and create a policy for the group which can change the passwords of various IAM users.

Reference: <http://docs.aws.amazon.com/IAM/latest/UserGuide/HowToPwDIAMUser.html>

NEW QUESTION 128

A user has configured a website and launched it using the Apache web server on port 80. The user is using ELB with the EC2 instances for Load Balancing. What should the user do to ensure that the EC2 instances accept requests only from ELB?

- A. Open the port for an ELB static IP in the EC2 security group
- B. Configure the security group of EC2, which allows access to the ELB source security group
- C. Configure the EC2 instance so that it only listens on the ELB port
- D. Configure the security group of EC2, which allows access only to the ELB listener

Answer: B

Explanation:

When a user is configuring ELB and registering the EC2 instances with it, ELB will create a source security group. If the user wants to allow traffic only from ELB, he should remove all the rules set for the other requests and open the port only for the ELB source security group.

Reference:

<http://docs.aws.amazon.com/ElasticLoadBalancing/latest/DeveloperGuide/using-elb-security-groups.html>

NEW QUESTION 129

When working with AWS CloudFormation Templates what is the maximum number of stacks that you can create?

- A. 500
- B. 50
- C. 20
- D. 10

Answer: C

Explanation:

CloudFormation Limits

Maximum number of AWS CloudFormation stacks that you can create is 20 stacks. Reference:

<http://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/cloudformation-limits.html>

NEW QUESTION 132

A user wants to achieve High Availability with PostgreSQL DB. Which of the below mentioned functionalities helps achieve HA?

- A. Read Replica
- B. Multi AZ
- C. Multi region
- D. PostgreSQL does not support HA

Answer: B

Explanation:

The Multi AZ feature allows the user to achieve High Availability. For Multi AZ, Amazon RDS automatically provisions and maintains a synchronous "standby" replica in a different Availability Zone. Reference: <http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Welcome.html>

NEW QUESTION 135

A user is launching an instance with EC2. Which of the below mentioned options does the user need to consider before launching an instance?

- A. Select the region where the instance is being launched.
- B. Select the instance type.
- C. All the options listed should be considered..
- D. Select the OS of the AM

Answer: C

Explanation:

Regarding Amazon EC2, when launching an instance, the user needs to select the region the instance would be launched from. While launching, the user needs to plan for the instance type and the OS of the instance.

Reference: http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-launch-instance_linux.html

NEW QUESTION 140

Which of the following programming languages have an officially supported AWS SDK? Choose 2 answers

- A. Perl
- B. PHP
- C. Pascal
- D. Java
- E. SQL

Answer: BD

NEW QUESTION 145

Which statements about DynamoDB are true? Choose 2 answers

- A. DynamoDB uses a pessimistic locking model
- B. DynamoDB uses optimistic concurrency control
- C. DynamoDB uses conditional writes for consistency
- D. DynamoDB restricts item access during reads
- E. DynamoDB restricts item access during writes

Answer: BC

NEW QUESTION 149

Which of the following is an example of a good DynamoDB hash key schema for provisioned throughput efficiency?

- A. User ID, where the application has many different users.
- B. Status Code where most status codes are the same
- C. Device ID, where one is by far more popular than all the others.
- D. Game Type, where there are three possible game types

Answer: A

NEW QUESTION 154

Company D is running their corporate website on Amazon S3 accessed from <http://www.companyd.com>. Their marketing team has published new web fonts to a separate S3 bucket accessed by the S3 endpoint <https://s3-us-west1.amazonaws.com/cdfonts>. While testing the new web fonts, Company D recognized the web fonts are being blocked by the browser. What should Company D do to prevent the web fonts from being blocked by the browser?

- A. Enable versioning on the cdfonts bucket for each web font
- B. Create a policy on the cdfonts bucket to enable access to everyone
- C. Add the Content-NI D5 header to the request for webfonts in the cdfonts bucket from the website
- D. Configure the cdfonts bucket to allow cross-origin requests by creating a CORS configuration

Answer: D

NEW QUESTION 157

A startup's photo-sharing site is deployed in a VPC. An ELB distributes web traffic across two subnets. ELB session stickiness is configured to use the AWS-generated session cookie, with a session TTL of 5 minutes. The webserver Auto Scaling Group is configured as: min-size=4, max-size=4. The startup is preparing for a public launch, by running load-testing software installed on a single EC2 instance running in us-west-2a. After 60 minutes of load-testing, the webserver logs show:

Which recommendations can help ensure load-testing HTTP requests are evenly distributed across the four web servers? Choose 2 answers

- A. Launch and run the load-tester EC2 instance from us-east-1 instead.
- B. Re-configure the load-testing software to re-resolve DNS for each web request.
- C. Use a 3rd-party load-testing service which offers globally-distributed test clients.
- D. Configure ELB and Auto Scaling to distribute across us-west-2a and us-west-2c.
- E. Configure ELB session stickiness to use the app-specific session cookie

Answer: BE

NEW QUESTION 160

Which DynamoDB limits can be raised by contacting AWS support? Choose 2 answers

- A. The number of hash keys per account
- B. The maximum storage used per account
- C. The number of tables per account
- D. The number of local secondary indexes per account
- E. The number of provisioned throughput units per account

Answer: CE

NEW QUESTION 164

You are providing AWS consulting services for a company developing a new mobile application that will be leveraging Amazon SNS Mobile Push for push notifications. In order to send direct notification messages to individual devices each device registration identifier or token needs to be registered with SNS; however the developers are not sure of the best way to do this.

You advise them to:

- A. Bulk upload the device tokens contained in a CSV file via the AWS Management Console.
- B. Let the push notification service (e.g. Amazon Device Messaging) handle the registration.
- C. Implement a token vending service to handle the registration.
- D. Call the CreatePlatformEndPoint API function to register multiple device token

Answer: B

NEW QUESTION 169

Which of the following platforms are supported by Elastic Beanstalk? Choose 2 answers

- A. Apache Tomcat
- B. .NET
- C. IBM Websphere
- D. Oracle JBoss
- E. Jetty

Answer: AB

NEW QUESTION 172

Which EC2 API call would you use to retrieve a list of Amazon Machine Images (AMIs)?

- A. DescribeInstances
- B. DescribeAMIs
- C. DescribeImages
- D. GetAMIs
- E. You cannot retrieve a list of AMIs as there are over 10,000 AMIs

Answer: E

NEW QUESTION 175

What AWS products and features can be deployed by Elastic Beanstalk? Choose 3 answers

- A. Auto scaling groups
- B. Route 53 hosted zones
- C. Elastic Load Balancers
- D. RDS Instances
- E. Elastic IP addresses
- F. SQS Queues

Answer: ACD

NEW QUESTION 177

When using a large Scan operation in DynamoDB, what technique can be used to minimize the impact of a scan on a table's provisioned throughput?

- A. Set a smaller page size for the scan
- B. Use parallel scans
- C. Define a range index on the table
- D. Prewarm the table by updating all items

Answer: C

NEW QUESTION 182

Which code snippet below returns the URL of a load balanced web site created in CloudFormation with an AWS::ElasticLoadBalancing::LoadBalancer resource name "ElasticLoad Balancer"?

- A. "Fn::Join" : ["" . ["http://", {"Fn::GetAtr" : ["ElasticLoadBalancer", "DNSName"]}]]
- B. "Fn::Join" : ["" . ["http://", {"Fn::GetAtr" : ["ElasticLoadBalancer", "Url"]}]]
- C. "Fn::Join" : ["" . ["http://", {"Ref" : "ElasticLoadBalancerUrl"}]]
- D. "Fn::Join" : ["http://", {"Ref" : "ElasticLoadBalancerDNSName"}]]

Answer: B

NEW QUESTION 184

How is provisioned throughput affected by the chosen consistency model when reading data from a DynamoDB table?

- A. Strongly consistent reads use the same amount of throughput as eventually consistent reads
- B. Strongly consistent reads use more throughput than eventually consistent reads.
- C. Strongly consistent reads use less throughput than eventually consistent reads
- D. Strongly consistent reads use variable throughput depending on read actMty

Answer: B

NEW QUESTION 185

You attempt to store an object in the US-STANDARD region in Amazon S3, and receive a confirmation that it has been successfully stored. You then immediately make another API call and attempt to read this object. S3 tells you that the object does not exist. What could explain this behavior?

- A. US-STANDARD uses eventual consistency and it can take time for an object to be readable in a bucket
- B. Objects in Amazon S3 do not become visible until they are replicated to a second region.
- C. US-STANDARD imposes a 1 second delay before new objects are readable.
- D. You exceeded the bucket object limit, and once this limit is raised the object will be visible.

Answer: A

NEW QUESTION 189

If an application is storing hourly log files from thousands of instances from a high traffic web site, which naming scheme would give optimal performance on S3?

- A. Sequential
- B. instanceID_log-HH-DD-NIM-YYYY
- C. instanceID_log-YYYY-NIM-DD-HH
- D. HH-DD-NINI-YYYY-log_instanceID
- E. YYYY-MM-DD-HH-log_instanceID

Answer: E

NEW QUESTION 193

Company A has an S3 bucket containing premier content that they intend to make available to only paid subscribers of their website. The S3 bucket currently has default permissions of all objects being private to prevent inadvertent exposure of the premier content to non-paying website visitors. How can Company A provide only paid subscribers the ability to download a premier content file in the S3 bucket?

- A. Apply a bucket policy that grants anonymous users to download the content from the S3 bucket
- B. Generate a pre-signed object URL for the premier content file when a paid subscriber requests a download
- C. Add a bucket policy that requires Multi-Factor Authentication for requests to access the S3 bucket objects
- D. Enable server side encryption on the S3 bucket for data protection against the non-paying website visitors

Answer: B

NEW QUESTION 197

After launching an instance that you intend to serve as a NAT (Network Address Translation) device in a public subnet you modify your route tables to have the NAT device be the target of internet bound traffic of your private subnet. When you try and make an outbound connection to the Internet from an instance in the private subnet, you are not successful.

Which of the following steps could resolve the issue?

- A. Attaching a second Elastic Network interface (ENI) to the NAT instance, and placing it in the private subnet
- B. Attaching a second Elastic Network Interface (ENI) to the instance in the private subnet, and placing it in the public subnet
- C. Disabling the Source/Destination Check attribute on the NAT instance
- D. Attaching an Elastic IP address to the instance in the private subnet

Answer: C

NEW QUESTION 200

What happens, by default, when one of the resources in a CloudFormation stack cannot be created?

- A. Previously-created resources are kept but the stack creation terminates.
- B. Previously-created resources are deleted and the stack creation terminates.
- C. The stack creation continues, and the final results indicate which steps failed.
- D. CloudFormation templates are parsed in advance so stack creation is guaranteed to succeed

Answer: B

NEW QUESTION 205

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