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QUESTION 45

You are using ElastiCache Memcached to store session state and cache database queries in your infrastructure. You notice in CloudWatch that Evictions and GetMisses are both very high. What two actions could you take to rectify this? Choose 2 answers

- A. Increase the number of nodes in your cluster
- B. Tweak the max_item_size parameter
- C. Shrink the number of nodes in your cluster
- D. Increase the size of the nodes in the cluster

Correct Answer: BD

QUESTION 46

An organization's security policy requires multiple copies of all critical data to be replicated across at least a primary and backup data center. The organization has decided to store some critical data on Amazon S3. Which option should you implement to ensure this requirement is met?

- A. Use the S3 copy API to replicate data between two S3 buckets in different regions
- B. You do not need to implement anything since S3 data is automatically replicated between regions
- C. Use the S3 copy API to replicate data between two S3 buckets in different facilities within an AWS Region
- D. You do not need to implement anything since S3 data is automatically replicated between multiple facilities within an AWS Region

Correct Answer: D

QUESTION 47

Which services allow the customer to retain full administrative privileges of the underlying EC2 instances? Choose 2 answers

- A. Amazon Elastic Map Reduce
- B. Elastic Load Balancing
- C. AWS Elastic Beanstalk
- D. Amazon ElastiCache
- E. Amazon Relational Database service

Correct Answer: AC

QUESTION 48

You have been asked to propose a multi-region deployment of a web-facing application where a controlled portion of your traffic is being processed by an alternate region. Which configuration would achieve that goal?

- A. Route53 record sets with weighted routing policy
- B. Route53 record sets with latency based routing policy
- C. Auto Scaling with scheduled scaling actions set
- D. Elastic Load Balancing with health checks enabled

Correct Answer: D

Explanation:

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

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QUESTION 49

When attached to an Amazon VPC which two components provide connectivity with external networks? Choose 2 answers

- A. Elastic IP (EIP)
- B. NAT Gateway (NAT)
- C. Internet Gateway (IGW)
- D. Virtual Private Gateway (VGW)

Correct Answer: CD

QUESTION 50

You are attempting to connect to an instance in Amazon VPC without success. You have already verified that the VPC has an Internet Gateway (IGW), the instance has an associated Elastic IP (EIP), and correct security group rules are in place. Which VPC component should you evaluate next?

- A. The configuration of a NAT instance
- B. The configuration of the Routing Table
- C. The configuration of the Internet Gateway (IGW)
- D. The configuration of SRC/DST checking

Correct Answer: B

Explanation:

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

QUESTION 51

An organization has configured a VPC with an Internet Gateway (IGW), pairs of public and private subnets (each with one subnet per Availability Zone), and an Elastic Load Balancer (ELB) configured to use the public subnets. The application's web tier leverages the ELB, Auto Scaling, and a multi-AZ RDS database instance. The organization would like to eliminate any potential single points of failure in this design. What step should you take to achieve this organization's objective?

- A. Nothing, there are no single points of failure in this architecture.
- B. Create and attach a second IGW to provide redundant internet connectivity.
- C. Create and configure a second Elastic Load Balancer to provide a redundant load balancer.
- D. Create a second multi-AZ RDS instance in another Availability Zone and configure replication to provide a redundant database.

Correct Answer: A

QUESTION 52

You have been asked to automate many routine systems administrator backup and recovery activities. Your current plan is to leverage AWS-managed solutions as much as possible and automate the rest with the AWS CLI and scripts. Which task would be best accomplished with a script?

- A. Creating daily EBS snapshots with a monthly rotation of snapshots
- B. Creating daily RDS snapshots with a monthly rotation of snapshots
- C. Automatically detect and stop unused or underutilized EC2 instances

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D. Automatically add Auto Scaled EC2 instances to an Amazon Elastic Load Balancer

Correct Answer: A

QUESTION 53

What are characteristics of Amazon S3? Choose 2 answers

- A. Objects are directly accessible via a URL
- B. S3 should be used to host a relational database
- C. S3 allows you to store objects or virtually unlimited size
- D. S3 allows you to store virtually unlimited amounts of data
- E. S3 offers Provisioned IOPS

Correct Answer: AD

QUESTION 54

When creation of an EBS snapshot is initiated but not completed the EBS volume?

- A. Cannot be detached or attached to an EC2 instance until the snapshot completes
- B. Can be used in read-only mode while the snapshot is in progress
- C. Can be used while the snapshot is in progress
- D. Cannot be used until the snapshot completes

Correct Answer: C

Explanation:

<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-copy-snapshot.html>

QUESTION 55

You have a Linux EC2 web server instance running inside a VPC. The instance is in a public subnet and has an EIP associated with it so you can connect to it over the Internet via HTTP or SSH. The instance was also fully accessible when you last logged in via SSH and was also serving web requests on port 80. Now you are not able to SSH into the host nor does it respond to web requests on port 80 that were working fine last time you checked. You have double-checked that all networking configuration parameters (security groups, route tables, IGW, EIP, NACLs, etc) are properly configured (and you haven't made any changes to those anyway since you were last able to reach the instance). You look at the EC2 console and notice that system status check shows "impaired." Which should be your next step in troubleshooting and attempting to get the instance back to a healthy state so that you can log in again?

- A. Stop and start the instance so that it will be able to be redeployed on a healthy host system that most likely will fix the "impaired" system status
- B. Reboot your instance so that the operating system will have a chance to boot in a clean healthy state that most likely will fix the "impaired" system status
- C. Add another dynamic private IP address to the instance and try to connect via that new path, since the networking stack of the OS may be locked up causing the "impaired" system status.
- D. Add another Elastic Network Interface to the instance and try to connect via that new path since the networking stack of the OS may be locked up causing the "impaired" system status
- E. un-map and then re-map the EIP to the instance, since the IGW/VNAT gateway may not be working properly, causing the "impaired" system status

Correct Answer: A

QUESTION 56

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A user is accessing RDS from an application. The user has enabled the Multi AZ feature with the MS SQL RDS DB. During a planned outage how will AWS ensure that a switch from DB to a standby replica will not affect access to the application?

- A. RDS will have an internal IP which will redirect all requests to the new DB
- B. RDS uses DNS to switch over to stand by replica for seamless transition
- C. The switch over changes Hardware so RDS does not need to worry about access
- D. RDS will have both the DBs running independently and the user has to manually switch over

Correct Answer: B

Explanation:

In the event of a planned or unplanned outage of a DB instance, Amazon RDS automatically switches to a standby replica in another Availability Zone if the user has enabled Multi AZ. The automatic failover mechanism simply changes the DNS record of the DB instance to point to the standby DB instance. As a result, the user will need to re- establish any existing connections to the DB instance. However, as the DNS is the same, the application can access DB seamlessly.

QUESTION 57

A user is planning to setup infrastructure on AWS for the Christmas sales. The user is planning to use Auto Scaling based on the schedule for proactive scaling. What advise would you give to the user?

- A. It is good to schedule now because if the user forgets later on it will not scale up
- B. The scaling should be setup only one week before Christmas
- C. Wait till end of November before scheduling the activity
- D. It is not advisable to use scheduled based scaling

Correct Answer: C

Explanation:

Auto Scaling based on a schedule allows the user to scale the application in response to predictable load changes. The user can specify any date in the future to scale up or down during that period. As per Auto Scaling the user can schedule an action for up to a month in the future. Thus, it is recommended to wait until end of November before scheduling for Christmas.

QUESTION 58

A user is trying to understand the ACL and policy for an S3 bucket. Which of the below mentioned policy permissions is equivalent to the WRITE ACL on a bucket?

- A. s3:GetObjectAcl
- B. s3:GetObjectVersion
- C. s3:ListBucketVersions
- D. s3:DeleteObject

Correct Answer: D

Explanation:

Amazon S3 provides a set of operations to work with the Amazon S3 resources. Each AWS S3 bucket can have an ACL (Access Control List. or bucket policy associated with it. The WRITE ACL list allows the other AWS accounts to write/modify to that bucket. The equivalent S3 bucket policy permission for it is s3:DeleteObject.

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QUESTION 59

An application is generating a log file every 5 minutes. The log file is not critical but may be required only for verification in case of some major issue. The file should be accessible over the internet whenever required. Which of the below mentioned options is a best possible storage solution for it?

- A. AWS S3
- B. AWS Glacier
- C. AWS RDS
- D. AWS RRS

Correct Answer: D

Explanation:

Amazon S3 stores objects according to their storage class. There are three major storage classes: Standard, Reduced Redundancy Storage and Glacier. Standard is for AWS S3 and provides very high durability. However, the costs are a little higher. Glacier is for archival and the files are not available over the internet. Reduced Redundancy Storage is for less critical files. Reduced Redundancy is little cheaper as it provides less durability in comparison to S3. In this case since the log files are not mission critical files, RRS will be a better option.

QUESTION 60

A user is trying to connect to a running EC2 instance using SSH. However, the user gets a connection time out error. Which of the below mentioned options is not a possible reason for rejection?

- A. The access key to connect to the instance is wrong
- B. The security group is not configured properly
- C. The private key used to launch the instance is not correct
- D. The instance CPU is heavily loaded

Correct Answer: A

Explanation:

If the user is trying to connect to a Linux EC2 instance and receives the connection time out error the probable reasons are:

Security group is not configured with the SSH port
The private key pair is not right

The user name to login is wrong

The instance CPU is heavily loaded, so it does not allow more connections

QUESTION 61

A user is planning to use AWS Cloudformation. Which of the below mentioned functionalities does not help him to correctly understand Cloudformation?

- A. Cloudformation follows the DevOps model for the creation of Dev & Test.
- B. AWS Cloudformation does not charge the user for its service but only charges for the AWS resources created with it.
- C. Cloudformation works with a wide variety of AWS services, such as EC2, EBS, VPC, IAM, S3, RDS, ELB, etc.
- D. CloudFormation provides a set of application bootstrapping scripts which enables the user to install Software.

Correct Answer: A

Explanation:

AWS Cloudformation is an application management tool which provides application modelling, deployment, configuration, management and related activities. It supports a wide variety of AWS

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