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Q & As: 326

QUESTION 1
Your team Is excited about the use of AWS because now they have access to programmable Infrastructure" You have been asked to manage your AWS infrastructure In a manner similar to the way you might manage application code You want to be able to deploy exact copies of different versions of your infrastructure, stage changes into different environments, revert back to previous versions, and identify what versions are running at any particular time (development test QA. production). Which approach addresses this requirement?

A. Use cost allocation reports and AWS Opsworks to deploy and manage your infrastructure.
B. Use AWS CloudWatch metrics and alerts along with resource tagging to deploy and manage your infrastructure.
C. Use AWS Beanstalk and a version control system like GIT to deploy and manage your infrastructure.
D. Use AWS CloudFormation and a version control system like GIT to deploy and manage your infrastructure.

Correct Answer: B
Explanation:
http://aws.amazon.com/opsworks/faqs/

QUESTION 2
A media company produces new video files on-premises every day with a total size of around 100GBS after compression All files have a size of 1-2 GB and need to be uploaded to Amazon S3 every night in a fixed time window between 3am and 5am Current upload takes almost 3 hours, although less than half of the available bandwidth is used. What step(s) would ensure that the file uploads are able to complete in the allotted time window?

A. Increase your network bandwidth to provide faster throughput to S3
B. Upload the files in parallel to S3
C. Pack all files into a single archive, upload it to S3, then extract the files in AWS
D. Use AWS Import/Export to transfer the video files

Correct Answer: B
Explanation:
http://aws.amazon.com/importexport/faqs/

QUESTION 3
What would happen to an RDS (Relational Database Service) multi-Availability Zone deployment of the primary OB instance fails?

A. The IP of the primary DB instance is switched to the standby OB instance
B. The RDS (Relational Database Service) DB instance reboots
C. A new DB instance is created in the standby availability zone
D. The canonical name record (CNAME) is changed from primary to standby

Correct Answer: D

QUESTION 4
Your EC2-Based Multi-tier application includes a monitoring instance that periodically makes

application -level read only requests of various application components and if any of those fail more than three times 30 seconds calls CloudWatch lo fire an alarm, and the alarm notifies your operations team by email and SMS of a possible application health problem. However, you also need to watch the watcher -the monitoring instance itself - and be notified if it becomes unhealthy. Which of the following is a simple way to achieve that goal?

A. Run another monitoring instance that pings the monitoring instance and fires a could watch alarm mat notifies your operations teamshould the primary monitoring instance become unhealthy.
B. Set a CloudWatch alarm based on EC2 system and instance status checks and have the alarm notify your operations team of any detected problem with the monitoring instance.
C. Set a CloudWatch alarm based on the CPU utilization of the monitoring instance and nave the alarm notify your operations team if C r the CPU usage exceeds 50% few more than one minute: then have your monitoring application go into a CPU-bound loop should it Detect any application problems.
D. Have the monitoring instances post messages to an SOS queue and then dequeue those messages on another instance should the queue cease to have new messages, the second instance should first terminate the original monitoring instance start anotherbackup monitoring instance and assume (he role of the previous monitoring instance and beginning adding messages to the SQSqueue.

Correct Answer: D

QUESTION 5
How can the domain's zone apex for example "myzoneapexdomain com" be pointed towards an Elastic Load Balancer?

A. By using an AAAA record
B. By using an A record
C. By using an Amazon Route 53 CNAME record
D. By using an Amazon Route 53 Alias record

Correct Answer: D
Explanation:
http://docs.aws.amazon.com/Route53/latest/DeveloperGuide/resource-record-sets-choosing-alias-non-alias.html

QUESTION 6
You are tasked with setting up a cluster of EC2 Instances for a NoSQL database. The database requires random read IO disk performance up to a 100,000 IOPS at 4KB block side per node. Which of the following EC2 instances will perform the best for this workload?

A. A High-Memory Quadruple Extra Large (m2.4xlarge) with EBS-Optimized set to true and a PIOPs EBS volume
B. A Cluster Compute Eight Extra Large (cc2.8xlarge) using instance storage
C. High I/O Quadruple Extra Large (hi1.4xlarge) using instance storage
D. A Cluster GPU Quadruple Extra Large (cg1.4xlarge) using four separate 4000 PIOPS EBS volumes in a RAID 0 configuration

Correct Answer: C
Explanation:
http://aws.amazon.com/ec2/instance-types/

QUESTION 7

Which of the following statements about this S3 bucket policy is true?

```
{
  "Id": "IPAllowPolicy",
  "Statement": [
    {
      "Sid": "IPAllow",
      "Action": "s3:*",
      "Effect": "Allow",
      "Resource": "arn:aws:s3:::mybucket/*",
      "Condition": {
        "IpAddress": {
          "aws:SourceIp": "192.168.100.0/24"
        },
        "NotIpAddress": {
          "aws:SourceIp": "192.168.100.188/32"
        }
      },
      "Principal": {
        "AWS": [
          "*"
        ]
      }
    }
  ]
}
```

A. Denies the server with the IP address 192 168 100 0 full access to the "mybucket" bucket
B. Denies the server with the IP address 192 168 100 188 full access to the "mybucket" bucket
C. Grants all the servers within the 192 168 100 0/24 subnet full access to the "mybucket" bucket
D. Grants all the servers within the 192 168 100 188/32 subnet full access to the "mybucket" bucket

Correct Answer: B

QUESTION 8
A customer has a web application that uses cookie Based sessions to track logged in users It Is deployed on AWS using ELB and Auto Scaling The customer observes that when load increases. Auto Scaling launches new Instances but the load on the easting Instances does not decrease, causing all existing users to have a sluggish experience. Which two answer choices independently describe a behavior that could be the cause of the sluggish user experience? Choose 2 answers

A. ELB's normal behavior sends requests from the same user to the same backend instance.
B. ELB's behavior when sticky sessions are enabled causes ELB to send requests in the same session to the same backend instance.
C. A faulty browser is not honoring the TTL of the ELB DNS name.
D. The web application uses long polling such as comet or websockets. Thereby keeping a connection open to a web server tor a long time
E. The web application uses long polling such as comet or websockets. Thereby keeping a connection open to a web server for a long time.

Correct Answer: BD

QUESTION 9
When preparing for a compliance assessment of your system built inside of AWS. what are three best-practices for you to prepare for an audit? Choose 3 answers

A. Gather evidence of your IT operational controls
B. Request and obtain applicable third-party audited AWS compliance reports and certifications
C. Request and obtain a compliance and security tour of an AWS data center for a pre- assessment security review
D. Request and obtain approval from AWS to perform relevant network scans and in-depth penetration tests of your system's Instances and endpoints
E. Schedule meetings with AWS's third-party auditors to provide evidence of AWS compliance that maps to your control objectives

Correct Answer: ABD

QUESTION 10
You use S3 to store critical data for your company Several users within your group currently have lull permissions to your S3 buckets You need to come up with a solution mat does not impact your users and also protect against the accidental deletion of objects. Which two options will address this issue? Choose 2 answers

A. Enable versioning on your S3 Buckets
B. Configure your S3 Buckets with MFA delete
C. Create a Bucket policy and only allow read only permissions to all users at the bucket level
D. Enable object life cycle policies and configure the data older than 3 months to be archived in Glacier

Correct Answer: AB

QUESTION 11
You have been asked to leverage Amazon VPC BC2 and SOS to implement an application that submits and receives millions of messages per second to a message queue. You want to ensure your application has sufficient bandwidth between your EC2 instances and SQS. Which option will provide the most scalable solution for communicating between the application and SQS?

A. Ensure the application instances are properly configured with an Elastic Load Balancer
B. Ensure the application instances are launched in private subnets with the EBS- optimized option enabled
C. Ensure the application instances are launched in public subnets with the associate- public-IP-address=true option enabled
D. Launch application instances in private subnets with an Auto Scaling group and Auto Scaling triggers configured to watch the SQS queue size

Correct Answer: B
Explanation:
http://www.cardinalpath.com/autoscaling-your-website-with-amazon-web-services-part-2/

QUESTION 12
You have a web-style application with a stateless but CPU and memory-intensive web tier running on a cc2 8xlarge EC2 instance inside of a VPC The instance when under load is having