AWS EXAM BY NARESH IT TRAINER -VEERA

1.One application running on ec2 I need only within network access I will deny the public access. In aws which service is helpful for overcome this situation.

`A. Route table-edit routes

B.subnets-edit subnet associations

C. security groups

C.vpc

2. What advantages does a database administrator obtain by using the Amazon Relational Database Service (RDS)?

A. RDS provides 99.99999999999% reliability and durability  
B. RDS databases automatically scale based on load  
C. RDS enables users to dynamically adjust CPU and RAM resources  
D. RDS simplifies relational database administration tasks

3. Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Select TWO)

A. Minimize platform design  
B. Loose coupling  
C. Customized hardware  
D. Remove single points of failure  
E. Minimum viable product

4. A user is planning to launch three EC2 instances behind a single Elastic Load Balancer. The deployment should be highly available.

A. Launch the instances across multiple Availability Zones in a single AWS Region.  
B. Launch the instances as EC2 Spot Instances in the same AWS Region and the same Availability Zone.  
C. Launch the instances in multiple AWS Regions, and use Elastic IP addresses.  
D. Launch the instances as EC2 Reserved Instances in the same AWS Region, but in different Availability Zones.

**5.** **Which of the following is a key benefit of using Amazon S3 for storing data?**

a) Unlimited storage capacity

b) Low-latency data retrieval

c) Automatic data encryption

d) Real-time data analytics

6. Why is AWS more economical than traditional data centers for applications with varying compute workloads?

A) Amazon EC2 costs are billed on a monthly basis.

B) Users retain full administrative access to their Amazon EC2 instances.

C) Amazon EC2 instances can be launched on demand when needed.

D) Users can permanently run enough instances to handle peak workloads.

**7.  According to AWS, what is the benefit of Elasticity?**

1. Minimize storage requirements by reducing logging and auditing activities
2. Create systems that scale to the required capacity based on changes in demand
3. Enable AWS to automatically select the most cost-effective services.
4. Accelerate the design process because recovery from failure is automated, reducing the need for testing

**8. Which of the following is the responsibility of the customer to ensure the availability and backup of the EBS volumes?**

**A.** Delete the data and create a new EBS volume.  
**B.** Create EBS snapshots.  
**C.** Attach new volumes to EC2 Instances.  
**D.** Create copies of EBS Volumes.

**9. An organization runs several EC2 instances inside a VPC using three subnets, one for Development, one for Test, and one for Production. The Security team has some concerns about the VPC configuration. It requires restricting communication across the EC2 instances using Security Groups.**

**Which of the following options is true for Security Groups related to the scenario?**

**A.** You can change a Security Group associated with an instance if the instance is in the running state.  
**B.** You can change a Security Group associated with an instance if the instance is in the hibernate state.  
**C.** You can change a Security Group only if there are no instances associated to it.  
**D.** The only Security Group you can change is the Default Security Group.

**10. Which of the following features of Amazon RDS allows for better availability of databases? Choose the answer from the options given below.**

**A.** VPC Peering  
**B.** Multi-AZ  
**C.** Read Replicas  
**D.** Data encryption

**11. A company wants to utilize AWS storage. For them, low storage cost is paramount. The data is rarely retrieved and a data retrieval time of 13-14 hours is acceptable for them. What is the best storage option to use?**

**A.** Amazon S3 Glacier  
**B.** S3 Glacier Deep Archive  
**C.** Amazon EBS volumes  
**D.** AWS CloudFront

**12.  In the shared responsibility model for infrastructure services, such as Amazon Elastic Compute Cloud, which of the below two are customers responsibility?**

**A.** Network infrastructure  
**B.** Amazon Machine Images (AMIs)  
**C.** Virtualization infrastructure  
**D.** Physical security of hardware  
**E.** Policies and configuration

**13. A large Oil & gas company is planning to deploy a high-volume application on multiple Amazon EC2 instances.  Which of the following can help to reduce operational expenses?**

**A.**Deploy Amazon EC2 instance with Auto-scaling  
**B.**Deploy Amazon EC2 instance in multiple AZ’s  
**C.**Deploy Amazon EC2 instance with Amazon instance store-backed AMI  
**D.**Deploy Amazon EC2 instance with Cluster placement group

**14. I require different levels of access for my application that is installed on an EC2 instance. I have configured an ENI for the same purpose. Which of the following statement is incorrect?**

A. I can detach the primary ENI of my EC2 instance and connect it to another instance for moving its Elastic IP

B. I can configure a Security Group for my ENI and restrict traffic to the EC2 instance

C. I can detach a secondary ENI containing a Private IP from one EC2 instance and attach it to another

D. I can attach an Elastic IP to an EC2 instance in another subnet by releasing it from the ENI in the current subnet to which it is currently attached to

**15. To make programmatic calls to AWS, a user was provided an access key ID and secret access key. However, the user has now forgotten the shared credentials and cannot make the required programmatic calls.**

How can an access key ID and secret access key be provided to the user?

A. Use the “Forgot Password” Option

B. Use “Create New Access Key” by logging in to AWS Management Console as the root user

C. Credentials cannot be generated

D. Raise a ticket with AWS Support

16. An application allows a manufacturing site to upload files. Each uploaded 3 GB file is processed to extract metadata, and this process takes a few seconds per file. The frequency at which the uploads happen is unpredictable. For instance, there may be no updates for hours, followed by several files being uploaded concurrently.

What architecture addresses this workload in the most cost efficient manner?

A.Use a Kinesis Data Delivery Stream to store the file. Use Lambda for processing.

**B.**Use an SQS queue to store the file, to be accessed by a fleet of EC2Instances.

**C.**Store the file in an EBS volume, which can then be accessed by another EC2 Instancefor processing.

**D.**Store the file in an S3 bucket. Use Amazon S3 event notification to invoke aLambda function for file processing.

17. A company is to run a service on AWS to provide offsite backups for images on laptops and phones.

The solution must support millions of customers with thousands of images per customer. Though the images will be retrieved infrequently, they must be available for retrieval immediately.

Which is the MOST cost efficient storage option that meets these requirements?

**A.**Amazon Glacier with Expedited retrievals

**B.**Amazon S3 Standard Infrequent Access

**C.**Amazon EFS

**D.**Amazon S3 Standard

18. An application reads and writes objects to an S3 bucket. When the application is fully deployed, the read/write traffic is very high.

How should the you maximize the Amazon S3 performance?

**A.**Use as many S3 prefixes as you need in parallel to achieve the required throughput.

**B.**Use the STANDARD\_IA storage class.

**C.**Prefix each object name with a hex hash key along with the current data.

**D.**Enable versioning on the S3 bucket.

19. A team is designing a highly scalable system to track records. These records must remain available for immediate download for up to three months and then must be deleted.

What is the most appropriate decision for this use case?

**A.**Store the files in Amazon EBS and create a Lifecycle Policy to remove files after 3 months

**B.**Store the files in Amazon S3 and create a Lifecycle Policy to remove files after 3 months

**C.**Store the files in Amazon Glacier and create a Lifecycle Policy to remove files after 3 months

**D.**Store the files in Amazon EFS and create a Lifecycle Policy to remove files after 3 months

20.In Your company is hosting an application in AWS. The application is read intensive and consists of a set of web servers and AWS RDS. It has been noticed that the response time of the application increases due to the load on the AWS RDS instance. Which of the following measures can be taken to scale the data tier? Choose 2 answers from the options given below.

**A.**Create Amazon DB Read Replicas. Configure the application layer to query the ReadReplicas for query needs.

**B.**Use Auto Scaling to scale out and scale in the database tier.

**C.**Use SQS to cache the database queries.

**D.**Use ElastiCache in front of your Amazon RDS DB to cache common queries.

21. You have an AWS RDS PostgreSQL database hosted in the Singapore region. You need to ensure that a backup database is in place and the data is asynchronously copied. Which of the following would help fulfill this requirement?

**A.**Enable Multi-AZ for the database

**B.**Enable Read Replicas for the database

**C.**Enable Asynchronous replication for the database

**D.**Enable manual backups for the database

22. An application currently consists of an EC2 Instance hosting a Web application. The Web application connects to an AWS RDS database. Which of the following can be used to ensure that the database layer is highly available?

**A.**Create another EC2 Instance in another Availability Zone and host a replica of thedatabase.

**B.**Create another EC2 Instance in another Availability Zone and host a replica of the Webserver.

**C.**Enable Read Replica for the AWS RDS database.

**D.**Enable Multi-AZ for the AWS RDS database.

23. A company is hosting a MySQL database in AWS using the AWS RDS service. To offload the reads, a Read Replica has been created and reports are run off the Read Replica database. But at certain times, the reports show stale data. Why may this be the case?

**A.**The Read Replica has not been created properly.

**B.**The backup of the original database has not been set properly.

**C.**This is due to the replication lag.

**D.**The Multi-AZ feature is not enabled.

24. You have created a new AWS account for your company, and you have also configured multi-factor authentication on the root account. You are about to create your new users. What strategy should you consider in order to ensure that there is good security on this account.

A. Require users to only be able to log in using biometric authentication.  
B. Give all users the same password so that if they forget their password they can just ask their co-workers.  
C. Restrict login to the corporate network only.  
D. Enact a strong password policy: user passwords must be changed every 45 days, with each password containing a combination of capital letters, lower case letters, numbers, and special symbols.

25.A new employee has just started work, and it is your job to give her administrator access to the AWS console. You have given her a user name, an access key ID, a secret access key, and you have generated a password for her. She is now able to log in to the AWS console, but she is unable to interact with any AWS services. What should you do next?

A. Ensure she is logging in to the AWS console from your corporate network and not the normal internet.  
B. Grant her Administrator access by adding her to the Administrators' group.  
C. Tell her to log out and try logging back in again.  
D. Require multi-factor authentication for her user account.

26. You are a security administrator working for a hotel chain. You have a new member of staff who has started as a systems administrator, and she will need full access to the AWS console. You have created the user account and generated the access key id and the secret access key. You have moved this user into the group where the other administrators are, and you have provided the new user with their secret access key and their access key id. However, when she tries to log in to the AWS console, she cannot. Why might that be?

A. Your user is trying to log in from the AWS console from outside the corporate network. This is not possible.  
B. You have not yet activated multi-factor authentication for the user, so by default they will not be able to log in.  
C. You cannot log in to the AWS console using the Access Key ID / Secret Access Key pair. Instead, you must generate a password for the user, and supply the user with this password and your organization's unique AWS console login URL.  
D. You have not applied the "log in from console" policy document to the user. You must apply this first so that they can log in.

27. You need to build a continuous integration/deployment pipeline for a set of Lambdas. What should you do?

1. Create configuration files and deploy them using AWS CodePipeline.
2. Create CloudFormation templates and deploy them using AWS CodeBuild
3. Create configuration file and deploy using AWS CodeBuild
4. Create CloudFormation templates and deploy them using AWS CodePipeline.

28. What is the command to grant execution permission on all files and subdirectories in “/home/document/mydirectory”?

A) $ chmod –r +x /home/document/mydirectory

B) $ chmod –R +x /home/document/mydirectory

C) $ chmod –f –r +x /home/document/mydirectory

D) $ chmod –F +x /home/document/mydirectory

29. How to give Sudo privileges to crated user by root.?

A. Vi /etc/sudoers. -- user ALL= (ALL) ALL

B. Vi /lib/sudoers. -- user ALL= (ALL) ALL

C. Vi /var/sudoers. -- user ALL= (ALL) ALL

D. Vi /temp/sudoers. -- user ALL= (ALL) ALL

30. To add a user named “john” to the group “developers,” which command would you use?

A) useradd developers john

B) usermod -aG developers john

C) useradd john developers

D) usermod -aG john developers