

## **AWS Certification Questions**

You have an application running in us-west-2 requiring 6 EC2 Instances running at all times. With 3 Availability Zones in the region viz. us-west-2a, us-west-2b, and us-west-2c, which of the following deployments provides fault tolerance if an Availability Zone in us-west-2 becomes unavailable? Choose 2 answers from the options given below.

Please select :

- ☐ A. 2 EC2 Instances in us-west-2a, 2 EC2 Instances in us-west-2b, and 2 EC2 Instances in us-west-2c
- ☐ B. 3 EC2 Instances in us-west-2a, 3 EC2 Instances in us-west-2b, and no EC2 Instances in us-west-2c
- ☐ C. 4 EC2 Instances in us-west-2a, 2 EC2 Instances in us-west-2b, and 2 EC2 Instances in us-west-2c
- ☐ D. 6 EC2 Instances in us-west-2a, 6 EC2 Instances in us-west-2b, and no EC2 Instances in us-west-2c
- ☐ E. 3 EC2 Instances in us-west-2a, 3 EC2 Instances in us-west-2b, and 3 EC2 Instances in us-west-2c

A Solutions Architect is developing a document sharing application and needs a storage layer. The storage should provide automatic support for versioning so that users can easily roll back to a previous version or recover a deleted account.

Which AWS service will meet the above requirements?

Please select :

- ☐ A. Amazon S3
- ☐ B. Amazon EBS
- ☐ C. Amazon EFS
- ☐ D. Amazon Storage Gateway VTL

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An administrator runs a highly available application in AWS. A file storage layer is needed that can share between instances and scale the platform more easily.

Which AWS service can perform this action?

Please select :

- ☐ A. Amazon EBS
- ☐ B. Amazon EFS
- ☐ C. Amazon S3
- ☐ D. Amazon EC2 Instance store

A Solutions Architect 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?

Please select :

- ☐ 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.

An application currently stores all its data on Amazon EBS Volumes. All EBS volumes must be backed up durably across multiple Availability Zones.

What is the MOST resilient way to backup the volumes?

Please select :

- ☐ A. Take regular EBS snapshots.
- ☐ B. Enable EBS volume encryption.
- ☐ C. Create a script to copy data to an EC2 Instance store.
- ☐ D. Mirror data across 2 EBS volumes.

There is a requirement to host a database on an EC2 Instance. It is also required that the EBS volume should support 12,000 IOPS.

Which Amazon EBS volume type meets the performance requirements of this database?

Please select :

- ☐ A. EBS Provisioned IOPS SSD
- ☐ B. EBS Throughput Optimized HDD
- ☐ C. EBS General Purpose SSD
- ☐ D. EBS Cold HDD

Development teams in your organization use S3 buckets to store log files for various applications hosted in AWS development environments. The developers intend to keep the logs for a month for troubleshooting purposes, and subsequently purge the logs.

What feature will enable this requirement?

Please select :

- ☐ A. Adding a bucket policy on the S3 bucket.
- ☐ B. Configuring lifecycle configuration rules on the S3 bucket.
- ☐ C. Creating an IAM policy for the S3 bucket.
- ☐ D. Enabling CORS on the S3 bucket.

What options can be used to host an application that uses NGINX and is scalable at any point in time?

Choose 2 correct answers.

Please select :

- ☐ A. AWS EC2
- ☐ B. AWS Elastic Beanstalk
- ☐ C. AWS SQS
- ☐ D. AWS ELB

There is a requirement for Block-level storage to store 500GB of data. Data Encryption is also required.

Which of the following can be used in such a case?

Please select :

- ☐ A. AWS EBS Volumes
- ☐ B. AWS S3
- ☐ C. AWS Glacier
- ☐ D. AWS EFS

An application needs to access data in another AWS account in the same region. Which of the following can be used to ensure that the data can be accessed as required?

Please select :

- ☐ A. Establish a NAT instance between both accounts.
- ☐ B. Use a VPN between both accounts.
- ☐ C. Use a NAT Gateway between both accounts.
- ☐ D. Use VPC Peering between both accounts.

There is a requirement for EC2 Instances in a private subnet to access an S3 bucket. It is required that the traffic does not traverse to the Internet. Which of the following can be used to fulfill this requirement?

Please select :

- ☐ A. VPC Endpoint
- ☐ B. NAT Instance
- ☐ C. NAT Gateway
- ☐ D. Internet Gateway

A database is being hosted using the AWS RDS service. This database is to be made into a production database and is required to have high availability. Which of the following can be used to achieve this requirement?

Please select :

- ☐ A. Use Multi-AZ for the RDS instance to ensure that a secondary database is created in another region.
- ☐ B. Use the Read Replica feature to create another instance of the DB in another region.
- ☐ C. Use Multi-AZ for the RDS instance to ensure that a secondary database is created in another Availability Zone.
- ☐ D. Use the Read Replica feature to create another instance of the DB in another Availability Zone.

A company wants to host a web application and a database layer in AWS. This will be done with the use of subnets in a VPC.

Which of the following is a proper architectural design for supporting the required tiers of the application?

Please select :

- ☐ A. Use a public subnet for the web tier and a public subnet for the database layer.
- ☐ B. Use a public subnet for the web tier and a private subnet for the database layer.
- ☐ C. Use a private subnet for the web tier and a private subnet for the database layer.
- ☐ D. Use a private subnet for the web tier and a public subnet for the database layer.

A company has a requirement for archival of 6TB of data. There is an agreement with the stakeholders for an 8-hour agreed retrieval time. Which of the following can be used as the MOST cost-effective storage option?

Please select :

- ☐ A. AWS S3 Standard
- ☐ B. AWS S3 Infrequent Access
- ☐ C. AWS Glacier
- ☐ D. AWS EBS Volumes

Your company has a requirement to host a static web site in AWS. Which of the following steps would help implement a quick and cost-effective solution for this requirement? Choose 2 answers from the options given below. Each answer forms a part of the solution.

Please select :

- ☐ A. Upload the static content to an S3 bucket.
- ☐ B. Create an EC2 Instance and install a web server.
- ☐ C. Enable web site hosting for the S3 bucket.
- ☐ D. Upload the code to the web server on the EC2 Instance.



A company currently storing a set of documents in the AWS Simple Storage Service, is worried about the potential loss if these documents are ever deleted. Which of the following can be used to ensure protection from loss of the underlying documents in S3?

Please select :

- ☐ A. Enable Versioning for the underlying S3 bucket.
- ☐ B. Copy the bucket data to an EBS Volume as a backup.
- ☐ C. Create a Snapshot of the S3 bucket.
- ☐ D. Enable an IAM Policy which does not allow deletion of any document from the S3 bucket.

A company has a set of EC2 Linux based instances hosted in AWS. There is a need to have a standard file interface for files to be used across all Linux based instances. Which of the following can be used for this purpose?

Please select :

- ☐ A. Consider using the Simple Storage Service.
- ☐ B. Consider using Amazon Glacier.
- ☐ C. Consider using AWS RDS.
- ☐ D. Consider using AWS EFS.

Your company is planning on using Route 53 as the DNS provider. There is a need to ensure that the company's domain name points to an existing CloudFront distribution. How can this be achieved?

Please select :

- ☐ A. Create an Alias record which points to the CloudFront distribution.
- ☐ B. Create a host record which points to the CloudFront distribution.
- ☐ C. Create a CNAME record which points to the CloudFront distribution.
- ☐ D. Create a Non-Alias Record which points to the CloudFront distribution.

Your current setup in AWS consists of the following architecture: 2 public subnets, one subnet which has web servers accessed by users across the Internet and another subnet for the database server. Which of the following changes to the architecture adds a better security boundary to the resources hosted in this setup?

Please select :

- ☐ A. Consider moving the web server to a private subnet.
- ☐ B. Consider moving the database server to a private subnet.
- ☐ C. Consider moving both the web and database servers to a private subnet.
- ☐ D. Consider creating a private subnet and adding a NAT Instance to that subnet.

Instances in your private subnet hosted in AWS, need access to important documents in S3. Due to the confidential nature of these documents, you have to ensure that this traffic does not traverse through the internet. As an architect, how would you implement this solution?

Please select :

- ☐ A. Consider using a VPC Endpoint.
- ☐ B. Consider using an EC2 Endpoint.
- ☐ C. Move the instances to a public subnet.
- ☐ D. Create a VPN connection and access the S3 resources from the EC2 Instance.

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You have a set of EC2 Instances that support an application. They are currently hosted in the US Region. In the event of a disaster, you need a way to ensure that you can quickly provision the resources in another region. How could this be accomplished? Choose 2 answers from the options given below.

Please select :

- ☐ A. Copy the underlying EBS Volumes to the destination region.
- ☐ B. Create EBS Snapshots and then copy them to the destination region.
- ☐ C. Create AMIs for the underlying instances.
- ☐ D. Copy the metadata for the EC2 Instances to S3.

A company wants to have a NoSQL database hosted on the AWS Cloud, but do not have the necessary staff to manage the underlying infrastructure. Which of the following choices would be ideal for this requirement?

Please select :

- ☐ A. AWS Aurora
- ☐ B. AWS RDS
- ☐ C. AWS DynamoDB
- ☐ D. AWS Redshift

You plan on creating a VPC from scratch and launching EC2 Instances in the subnet. What should be done to ensure that the EC2 Instances are accessible from the Internet?

Please select :

- ☐ A. Attach an Internet Gateway to the VPC and add a route for 0.0.0.0/0 to the Route table.
- ☐ B. Attach an NAT Gateway to the VPC and add a route for 0.0.0.0/0 to the Route table.
- ☐ C. Attach an NAT Gateway to the VPC and add a route for 0.0.0.0/32 to the Route table.
- ☐ D. Attach an Internet Gateway to the VPC and add a route for 0.0.0.0/32 to the Route table.

Your company currently has an entire data warehouse of assets that needs to be migrated to the AWS Cloud. Which of the following services should this be migrated to?

Please select :

- ☐ A. AWS DynamoDB
- ☐ B. AWS S3
- ☐ C. AWS RDS
- ☐ D. AWS Redshift

Your company has confidential documents stored in the Simple Storage Service. Due to compliance requirements, there is a need for the data in the S3 bucket to be available in a different geographical location. As an architect, what change would you make to comply with this requirement?

Please select :

- ☐ A. Apply Multi-AZ for the underlying S3 bucket.
- ☐ B. Copy the data to an EBS Volume in another region.
- ☐ C. Create a snapshot of the S3 bucket and copy it to another region.
- ☐ D. Enable Cross-Region Replication for the S3 bucket.