S3 bucket. Edit the Route 53 entries to point to the IP addresses of the accelerators.
C.  Add an Amazon CloudFront distribution in front of the S3 bucket. Edit the Route 53 entries to point to the CloudFront distribution.
D.  Enable S3 Transfer Acceleration on the bucket. Edit the Route 53 entries to point to the new endpoint.

**Correct Answer:** C

**QUESTION 434**
A company wants to use high performance computing (HPC) infrastructure on AWS for financial risk modelling. The company's HPC workloads run on Linux. Each HPC workflow runs on hundreds of Amazon EC2 Spot Instances, is short-lived, and generates thousands of output files that are ultimately stored in persistent storage for analytics and long-term future use. The company seeks a cloud storage solution that permits the copying of on-premises data to long-term persistent storage to make data available for processing by all EC2 instances. The solution should also be a high performance file system that is integrated with persistent storage to read and write datasets and output files. Which combination of AWS services meets these requirements?

A.  Amazon FSx for Lustre integrated with Amazon S3
B.  Amazon FSx for Windows File Server integrated with Amazon S3
C.  Amazon S3 Glacier integrated with Amazon Elastic Block Store (Amazon EBS)
D.  Amazon S3 bucket with a VPC endpoint integrated with an Amazon Elastic Block Store (Amazon EBS) General Purpose SSD(gp2) volume

**Correct Answer:** A

**QUESTION 435**
A solutions architect is designing a shared storage solution for a web application that is deployed across multiple Availability Zones. The web application runs on Amazon EC2 instances that are in an Auto Scaling group. The company plans to make frequent changes to the content. The solution must have strong consistency in returning the new content as soon as the changes occur. Which solutions meet these requirements? (Select TWO.)

A.  Use AWS Storage Gateway Volume Gateway Internet Small Computer Systems Interface (ISCSI) block storage that is mounted to the individual EC2 instances.
B.  Create an Amazon Elastic File System (Amazon EFS) file system. Mount the EFS file system on the individual EC2 instances.
C.  Create a shared Amazon Elastic Block Store (Amazon EBS) volume. Mount the EBS volume on the individual EC2 instances.
D.  Use AWS DataSync to perform continuous synchronization of data between EC2 hosts in the Auto Scaling group.
E.  Create an Amazon S3 bucket to store the web content. Set the metadata for the Cache-Control header to no-cache. Use Amazon CloudFront to deliver the content.

**Correct Answer:** BC

**QUESTION 436**
A company has several business systems that require access to data stored in a file share. The business systems will access the die share using the Server Message Block (SMB) protocol. The file share solution should be accessible from both of the company's legacy on-premises environments and with AWS. Which services meet the business requirements? (Select TWO)

A. Amazon EBS
B. Amazon EFS
C. Amazon FSx for Windows
D. Amazon S3
E. AWS Storage Gateway file gateway

**Correct Answer:** CD

**QUESTION 437**
A company is running a media store across multiple Amazon EC2 instances distnbuted across multiple Availability Zones in a single VPC. The company wants a high-performing solution to share data between all the EC2 instances, and prefers to keep the data within the VPC only.
What should a solutions architect recommend?

A. Create an Amazon S3 bucket and call the service APIs from each instance's application.
B. Create an Amazon S3 bucket and configure all instances to access it as a mounted volume.
C. Configure an Amazon Elastic Block Store (Amazon EBS) volume and mount it across ail instances.
D. Configure an Amazon Elastic File System (Amazon EPS) file system and mount it across all instances.

**Correct Answer:** D

**QUESTION 438**
Which AWS service or feature can be used find availability status information on all AWS services?

A. AWS Personal Health
B. Dashboard AWS CloudTrail
C. AWS Service Health Dashboard
D. Amazon CloudWatch

**Correct Answer:** A

**QUESTION 439**
A company manages its own Amazon EC2 instances that run MySQL databases. The company is manually managing replication and scaling as demand increases or decreases. The company needs a new solution that simplifies the process of adding or removing compute capacity to or from its database tier as needed. The solution also must offer improved performance, scaling, and durability with minimal effort from operations. Which solution meets these requirements'?
A. Migrate the databases to Amazon Aurora Serverless for Aurora MySQL.
B. Migrate the databases to Amazon Aurora Serverless for Aurora PostgreSQL.
C. Combine the databases into one larger MySQL database. Run the larger database on larger EC2 instances.
D. Create an EC2 Auto Scaling group for the database tier. Migrate the existing databases to the new environment.

**Correct Answer:** A

**QUESTION 440**

A solutions architect needs to design a system to store client case files. The tiles are core company assets and are important. The number of tiles will grow over time. The files must be simultaneously accessible from multiple application servers that run on Amazon EC2 instances. The solution must have built-in redundancy. Which solution meets these requirements?

A. Amazon Elastic File System (Amazon EFS)
B. Amazon Elastic Block Store (Amazon EBS)
C. Amazon S3 Glacier Deep Archive
D. AWS Backup

**Correct Answer:** A


**QUESTION 441**
A company hosts a three-tier ecommerce application on a fleet of Amazon EC2 instances. The instances run in an Auto Scaling group behind an Application Load Balancer (ALB). All ecommerce data is stored in an Amazon RDS for ManaDB Multi-AZ DB instance. The company wants to optimize customer session management during transactions. The application must store session data durably. Which solutions will meet these requirements? (Select TWO )

A. Turn on the sticky sessions feature (session affinity) on the ALB
B. Use an Amazon DynamoOB table to store customer session information
C. Deploy an Amazon Cognito user pool to manage user session information
D. Deploy an Amazon ElastiCache for Redis cluster to store customer session information
E. Use AWS Systems Manager Application Manager in the application to manage user session information

**Correct Answer:** AB


**QUESTION 442**
A company asks a solutions architect to design a new network architecture for its on-premises applications. The company has five application VPCs Each application VPC supports a different application. All the application VPCs need to reach a shared services VPC for enterprise services. The application VPCs need to communicate with each other. The number of VPCs will increase as the company grows. The company needs a solution that minimizes operational overhead during setup and maintenance. Which solution will meet these requirements?

A. Use VPC endpoint services from the application VPCs to reach services on the shared services VPC.
B. Use VPC peering connections between the application VPCs and the shared services VPC. Add a peering connection and routes between the application VPCs as needed.
C. Use AWS Transit Gateway to connect the shared services VPC to each of the application VPCs. Configure routing to allow the application VPCs to access the shared services network.
D. Use a virtual private gateway and VPNs in each application VPC to reach the company network. Transfer the network traffic between the application VPCs by using dynamic routing to the on-premises network.

**Correct Answer:** C


**QUESTION 443**
A solutions architect must provide an automated solution for a company's compliance policy that states security groups cannot include a rule that allows SSH from 0 0 0 0/0. The company needs to be notified if there is any breach in the policy. A solution is needed as soon as possible. What

should the solutions architect do to meet these requirements with the LEAST operational overhead?

A.  Write an AWS Lambda script that monitors security groups for SSH being open to 0 0 0.0/0 addresses and creates a notification every time it finds one.
B.  Enable the restricted-ssh AWS Config managed rule and generate an Amazon Simple Notification Service (Amazon SNS) notification when a noncompliant rule is created.
C.  Create an IAM role with permissions to globally open security groups and network ACLs. Create an Amazon Simple Notification Service (Amazon SNS) topic to generate a notification every time the role is assumed by a user.
D.  Configure a service control policy (SCP) that prevents non-administrative users from creating or editing security groups. Create a notification in the ticketing system when a user requests a rule that needs administrator permissions.

**Correct Answer:** B


**QUESTION 444**
A company has a three-tier application image sharing. The application uses an Amazon EC2 instance for the front-end layer, another EC2 instance tor the application layer, and a third EC2 instance for a MySQL database. A solutions architect must design a scalable and nighty available solution mat requires the least amount of change to the application. Which solution meets these requirement?

A.  Use Amazon S3 to host the front-end layer. Use AWS Lambda functions for the application layer. Move the database to an Amazon DynamoDB table Use Amazon S3 to store and service users' images.
B.  Use toad-balanced Multi-AZ AWS Elastic Beanstalk environments for the front-end layer and the application layer. Move the database to an Amazon RDS OB instance with multiple read replicas to serve users' images.
C.  Use Amazon S3 to host the front-end layer. Use a fleet of EC2 instances in an Auto Scaling group for the application layer. Move the database to a memory optimized instance type to store and serve users' images.
D.  Use toad-balanced Multi-AZ AWS Elastic Beanstark environments for tie front-end layer and the application layer. Move the database to an Amazon ROS Multi-AZ DB instance Use Amazon S3 to store and serve users' images.

**Correct Answer:** C


**QUESTION 445**
A company has migrated several applications to AWS in the past 3 months. The company wants to know the breakdown of costs for each of these applications. The company wants to receive a regular report that includes this information. Which solution will meet these requirements MOST cost-effectively?

A.  Use AWS Budgets to download data for the past 3 months into a csv file. Look up the desired information.
B.  Load AWS Cost and Usage Reports into an Amazon RDS DB instance. Run SQL queries to get the desired information.
C.  Tag all the AWS resources with a key for cost and a value of the application's name. Activate cost allocation tags. Use Cost Explorer to get the desired information.
D.  Tag all the AWS resources with a key for cost and a value of the application's name. Use the AWS Billing and Cost Management console to download bills for the past 3 months. Look up the desired

information.

**Correct Answer:** C

**QUESTION 446**
An application running on an Amazon EC2 instance in VPC-A needs to access dies in another EC2 instance in VPC-B Both VPCs are in separate AWS accounts. The network administrator needs to design a solution to enable secure access to EC2 instance in VPC-B from VPC-A. The connectivity should not have a single point of failure or bandwidth concerns. Which solution will meet these requirements?

A.   Set up a VPC peering connection between VPC-A and VPC-B.
B.   Set up VPC gateway endpoints for the EC2 instance running in VPC-B.
C.   Attach a virtual private gateway to VPC-B and enable routing from VPC-A.
D.   Create a private virtual interface (VIF) for the EC2 instance running in VPC-B and add appropriate routes from VPC-B.

**Correct Answer:** A

**QUESTION 447**
A company operates an ecommerce website on Amazon EC2 instances behind an Application Load Balancer (ALB) in an Auto Scaling group. The site is experiencing performance issues related to a high request rate from illegitimate external systems with changing IP addresses. The security team is worried about potential DDoS attacks against the website. The company must block the illegitimate incoming requests in a way that has a minimal impact on legitimate users. What should a solutions architect recommend?

A.   Deploy Amazon Inspector and associate it with the ALB.
B.   Deploy AWS WAR associate it with the ALB and configure a rate-limiting rule.
C.   Deploy rules to the network ACLs associated with the ALB to block the incoming traffic.
D.   Deploy Amazon GuardDuty and enable rate-limiting protection when configunng GuardDuty.

**Correct Answer:** B

**QUESTION 448**
A company hosts multiple production applications. One of the applications consists of resources from Amazon EC2. AWS Lambda. Amazon RDS. Amazon Simple Notification Service (Amazon SNS), and Amazon Simple Queue Service (Amazon SOS) across multiple AWS Regions. All company resources are tagged with a tag name of "application" and a value that corresponds to each application. A solutions architect must provide the quickest solution for identifying all of the tagged components. Which solution meets these requirements?

A.   Use AWS CloudTrail to generate a list of resources with the application tag.
B.   Use the AWS CLI to query each service across all Regions to report the tagged components.
C.   Run a query in Amazon CloudWatch Logs Insights to report on the components with the application tag.
D.   Run a query with the AWS Resource Groups Tag Editor to report on the resources globally with the application tag.