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Total points 49/50 ?

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Questions

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✓ Which of the following tasks are customer responsibilities according to the 1/1 AWS shared responsibility model? (Choose two)

- ☐ Determine which Availability Zone to use for Amazon S3 Buckets
- ☐ Select Amazon EC2 instances to run AWS Lambda on
- ☐ Patch or upgrade Amazon DynamoDB
- ☒ Configure the AWS provided security group firewall
- ☒ Classify company assets in the AWS cloud



✓ A Company has an Amazon EC2 instance in a private subnet. The company wants to initiate a connection to the internet to pull operating system updates while preventing traffic from the internet from accessing the EC2 instance. Which AWS service will allow you to implement this?

- ☐ VPC endpoint
- ☐ VPC peering
- ☒ NAT gateway
- ☐ Amazon PrivateLink



✓ What is the customer always responsible for managing according to the AWS shared responsibility model? 1/1

- ☐ Networking
- ☒ Customer Data
- ☐ Encryption Keys
- ☐ Software licenses



✓ A Company wants to modernize and convert a monolithic application into microservices. The company wants to move the application to AWS. Which migration strategy should the company use? 1/1

- ☐ Rehost
- ☐ Repurchase
- ☒ Refactor
- ☐ Replatform



✓ A company that uses AWS needs to transfer 2TB of data. Which type of transfer of that data would result in no cost for the company? 1/1

- ☒ Inbound data transfer from the internet
- ☐ Outbound data transfer to the internet
- ☐ Data transfer between AWS regions
- ☐ Data transfer between Availability Zones



✓ A company wants to design a centralized storage system to manage the configuration data and passwords for its critical business applications. Which AWS service or capability will meet these requirements most cost-effectively? 1/1

- ☐ Amazon S3
- ☐ AWS Secrets Manager
- ☒ AWS Systems Manager Parameter Store
- ☐ AWS Config



✓ A Company plans to migrate to the AWS Cloud. The company wants to use the AWS Cloud Adoption Framework (AWS CAF) to define and track business outcomes as part of its cloud transformation journey. Which AWS CAF governance perspective capabilities will meet these requirements? 1/1

- ☐ Cloud Financial Management
- ☐ Risk Management
- ☒ Benefits Management
- ☐ Application Portfolio Management



✓ A company needs to deploy a PostgreSQL database into Amazon RDS. The database must be highly available and fault tolerant. Which AWS solution should the company use to meet these requirements? 1/1

- ☐ Amazon RDS with a single Availability Zone
- ☐ Amazon RDS Snapshots
- ☒ Amazon RDS with a multiple Availability Zone
- ☐ AWS Database Migration Service (AWS DMS)



✓ Which of the following tasks is the responsibility of the customer according to the AWS shared responsibility model? 1/1

- ☐ Patch Amazon RDS software
- ☐ Maintain the security of the AWS global infrastructure
- ☐ Maintain the security of the hardware that runs Amazon EC2 instances
- ☒ Patch the guest operating system of Amazon EC2 instances



✓ A company has multiple applications and is now building a new multi-tier application. The company will host the new application on Amazon EC2 instances. The company wants the network routing and traffic between the various applications to follow the security principle of least privilege. Which AWS service or feature should the company use to enforce this principle? 1/1

- ☐ AWS Shield
- ☐ AWS Global Accelerator
- ☒ Security Groups
- ☐ AWS Direct Connect gateway



✓ A company has a fleet of cargo ships. The cargo ships have sensors that collect data at sea, where there is intermittent or no internet connectivity. The company needs to collect, format and process the data at sea and move the data to AWS later. Which AWS service should the company use to meet these requirements? 1/1

- ☐ Amazon Lightsail
- ☐ AWS Storage Gateway
- ☒ AWS Snowball Edge
- ☐ AWS IOT Core



✓ A Company simulates workflows to review and validate that all processes are effective and that staff are familiar with the processes. Which design principle of the AWS Well-Architected Framework is the company following with this practice? 1/1

- ☒ Refine operation procedures frequently
- ☐ Perform operation as code
- ☐ Structure the company to support business outcomes.
- ☐ Make frequent, small, reversible changes



✓ Which encryption types can be used to protect objects at rest in Amazon S3? (Choose two) 1/1

- ☒ Server-side encryption with Amazon S3 managed encryption keys (SSE-S3) ✓
- ☐ TLS
- ☒ Server-side encryption with AWS KMS managed keys (SSE-KMS) ✓
- ☐ Transparent Data Encryption (TDE)
- ☐ SSL

✗ A retail company needs to build a highly available architecture for a new ecommerce platform. The company is using only AWS services that replicate data across multiple Availability Zones. Which AWS services should the company use to meet this requirement? (Choose two.) 0/1

- ☐ Amazon Aurora
- ☐ Amazon EC2
- ☒ Amazon DynamoDB ✓
- ☒ Amazon EBS ✗
- ☐ Amazon RedShift

Correct answer

- ☒ Amazon Aurora
- ☒ Amazon DynamoDB

✓ A company wants to migrate to AWS and use the same security software it 1/1
uses on premises. The security software vendor offers its security
software as a service on AWS. Where can the company purchase the
security solution?

- ☐ AWS Support Center
- ☒ AWS MarketPlace
- ☐ AWS Management Console
- ☐ AWS Partner Solutions Finder



✓ A company wants to create Amazon QuickSight dashboards every week by 1/1
using its billing data. Which AWS feature or tool can the company use to
meet these requirements?

- ☐ AWS Cost explorer
- ☐ AWS Budgets
- ☐ AWS Cost Anomaly Detection
- ☒ AWS Cost and Usage Report



✓ A Company needs an Amazon EC2 instance for a rightsized database 1/1
server that must run constantly for 1 year. Which EC2 instance purchasing
option will meet these requirements most cost effectively?

- ☐ Spot Instance
- ☐ On Demand Instance
- ☐ Convertible Reserved Instance
- ☒ Standard Reserved Instance



✓ Which of the following are shared controls that apply to both AWS and the customer according to the AWS shared responsibility model? (Choose two) 1/1

- ☐ Network data integrity
- ☒ Resource configuration management
- ☐ Physical and environmental security
- ☐ Replacement and disposal of disk drives
- ☒ Employee awareness and training



✓ A Company is moving an on-premises data center to the AWS Cloud. The company must migrate 50 petabytes of file storage data to AWS with least possible operational overhead. Which AWS Service or resources should the company use to meet these requirements? 1/1

- ☒ AWS Snowmobile
- ☐ AWS Database migration service
- ☐ AWS Data exchange
- ☐ AWS Snowball Edge



✓ A company implements an Amazon EC2 auto scaling policy along with an application load balancer to automatically recover unhealthy applications that run on Amazon EC2 instances. Which pillar of the AWS Well-Architected Framework does this action cover? 1/1

- ☒ Reliability
- ☐ Security
- ☐ Performance efficiency
- ☐ Operational excellence



✓ Which AWS service enables users to check for vulnerabilities on Amazon EC2 instances by using predefined assessment templates? 1/1

- ☐ AWS Shield
- ☒ Amazon Inspector
- ☐ AWS WAF
- ☐ AWS Trusted Advisor



✓ Which option is an AWS Cloud Adoption Framework (AWS CAF) platform perspective capability? 1/1

- ☒ Data architecture
- ☐ Data governance
- ☐ Data science
- ☐ Data protection



✓ A Company has refined its workload to use specific AWS services to improve efficiency and reduce cost. Which best practice for cost governance does this example show? 1/1

- ☐ Tagging enforcement
- ☐ Cost allocation
- ☒ Architecture Optimization
- ☐ Resource controls



✓ A company manages global applications that require static IP addresses. 1/1
Which AWS service would enable the company to improve the availability and performance of its applications?

- ☐ Amazon API Gateway
- ☒ AWS Global Accelerator
- ☐ Amazon S3 Transfer Acceleration
- ☐ Amazon CloudFront



✓ A manufacturing company has a critical application that runs at a remote site that has a slow internet connection. The company wants to migrate the workload to AWS. The application is sensitive to latency and interruptions in connectivity. The company wants a solution that can host this application with minimum latency. Which AWS service or feature should the company use to meet these requirements? 1/1

- ☐ AWS Local Zones
- ☒ AWS Outposts
- ☐ AWS Wavelength
- ☐ Availability Zones



✓ A Company wants to use the AWS cloud to provide secure access to desktop applications that are running in a fully managed environment. Which AWS service should the company use to meet this requirement? 1/1

- ☐ AWS AppSync
- ☐ AWS Outposts
- ☐ Amazon S3
- ☒ Amazon AppStream 2.0



✓ An ecommerce company has migrated its IT infrastructure from an on-premises data center to the AWS Cloud. Which cost is the company's direct responsibility? 1/1

- ☐ Cost of the power for the AWS servers
- ☒ Cost of application software licenses
- ☐ Cost of the hardware infrastructure on AWS
- ☐ Cost of physical security for the AWS data center



✓ A user has been granted permission to change their own IAM user password. Which AWS services can the user use to change the password? (Choose two) 1/1

- ☒ AWS Command Line Interface
- ☐ AWS Key Management Service
- ☐ AWS Secrets Manager
- ☒ AWS Management Console
- ☐ AWS Resource Access Manager



✓ A company is creating a document that defines the operating system patch routine for all the company's systems. Which AWS resources should the company include in this document? (Choose two) 1/1

- ☐ AWS Fargate tasks
- ☐ AWS Lambda functions
- ☒ Amazon EC2 instances
- ☐ Amazon ECS instances
- ☒ Amazon RDS instances



✓ Which of the following options are AWS Cloud Adoption Framework Security Perspective capabilities? (Choose two) 1/1

- ☒ Infrastructure Protection
- ☐ Incident and Problem Management
- ☐ Observability
- ☐ Availability and Continuity
- ☒ Incident response



✓ How does AWS cloud computing help businesses reduce costs? (Choose two) 1/1

- ☐ AWS charges the same prices for services in every AWS region.
- ☐ AWS offers discounts for Amazon EC2 instances that remain idle for more than 1 week.
- ☒ AWS eliminates many of the costs of building and maintaining on-premises data centers. ✓
- ☒ AWS enables capacity to be adjusted on demand. ✓
- ☐ AWS doesn't charge for data sent from the AWS cloud to the internet

✓ A company launched an Amazon EC2 instance with the latest Amazon Linux2 AMI. Which actions can a system administrator take to connect to the EC2 instance? (Choose two) 1/1

- ☐ Use Amazon Connect
- ☐ Use AWS Batch
- ☒ Use Amazon EC2 Instance Connect ✓
- ☒ Use AWS Systems Manager Session Manager ✓
- ☐ Use a Remote Desktop Protocol (RDP) Connection

✓ Which of the following is the customer responsible for updating and patching according to the AWS shared responsibility model? 1/1

- ☐ AWS Directory service for Microsoft Active Directory
- ☐ Amazon RDS for Microsoft SQL Server
- ☒ Amazon Workspaces virtual windows desktop ✓
- ☐ Amazon FSx for Windows File Server

✓ A company has a serverless application that includes an Amazon API gateway, an AWS Lambda function, and an Amazon DynamoDB database. Which AWS service can the company use to trace user requests as they move through the application's components? 1/1

- ☒ AWS X-Ray
- ☐ AWS CloudTrail
- ☐ Amazon CloudWatch
- ☐ Amazon Inspector



✓ A Global company is building a simple time-tracking mobile app. The app needs to operate globally and must store collected data in a database. Data must be accessible from the AWS region that is closest to the user. What should the company do to meet these data storage requirements with the least amount of operational overhead? 1/1

- ☐ Use Amazon EC2 in multiple regions to host separate databases
- ☐ Use Amazon RDS cross-region replication
- ☐ Use AWS Database migration service (AWS DMS)
- ☒ Use Amazon DynamoDB global tables



✓ A company plans to use an Amazon Snowball Edge device to transfer files to the AWS Cloud. Which activities related to a Snowball Edge device are available to the company at no cost? 1/1

- ☐ The transfer of data out of Amazon S3 and to the Snowball Edge appliance
- ☒ The transfer of data from the Snowball Edge appliance into Amazon S3
- ☐ Daily use of the Snowball Edge appliance after 10 days
- ☐ Use of the Snowball Edge appliance for a 10-day period

✓ A company is running a monolithic on-premises application that doesn't scale and is difficult to maintain. The company has a plan to migrate the application to AWS and divide the application into microservices. Which best practice of the AWS Well-Architected Framework is the company following with this plan? 1/1

- ☐ Use automation to deploy changes
- ☐ Integrate functional testing as part of AWS deployment
- ☐ Deploy the application to multiple locations
- ☒ Implement loosely coupled dependencies

✓ A user is moving a workload from a local data center to an architecture that is distributed between the local data center and the AWS Cloud. Which type of migration is this? 1/1

- ☐ On-premises to cloud native
- ☐ Hybrid to cloud native
- ☒ On-premises to hybrid
- ☐ Cloud native to hybrid

✓ Which AWS service offers gateway VPC endpoints that can be used to avoid sending traffic over the internet? (Choose two) 1/1

- ☒ Amazon S3 ✓
- ☐ AWS CodeBuild
- ☐ Amazon Simple Queue Service
- ☒ Amazon DynamoDB ✓
- ☐ Amazon Simple Notification Service

✓ A company's web application requires AWS credentials and authorizations to use an AWS service. Which IAM entity should the company use as best practice? 1/1

- ☒ IAM role ✓
- ☐ IAM user
- ☐ IAM group
- ☐ IAM multi-factor authentication (MFA)

✓ How does the AWS Cloud help companies build agility into their processes and cloud infrastructure? 1/1

- ☒ Companies can access a range of technologies to experiment and innovate quickly. ✓
- ☐ Companies can avoid provisioning too much capacity when they do not know how much capacity is required.
- ☐ Companies can expand into new geographic regions.
- ☐ Companies can pay for IT resources only when they use the resources

✓ A company needs to generate reports for business intelligence and operational analytics on petabytes of semi structured and structured data. These reports are produced from standard SQL queries on data that is in an amazon S3 data lake. Which AWS service provides the ability to analyze this data? 1/1

- ☐ Amazon Neptune
- ☐ Amazon DynamoDB
- ☒ Amazon Redshift
- ☐ Amazon RDS



✓ A Company would like to host its MySQL databases on AWS and maintain full control over the operating system, database installation and configuration. Which AWS service should the company use to host the databases? 1/1

- ☒ Amazon EC2
- ☐ Amazon RDS
- ☐ Amazon Aurora
- ☐ Amazon DynamoDB



✓ After selecting an Amazon EC2 Dedicated host reservation, which pricing option would provide the largest discount? 1/1

- ☐ No upfront payment
- ☐ Hourly on-demand payment
- ☐ Partial upfront payment
- ☒ All upfront payment



✓ A company has a centralized group of users with large file storage requirements that have exceeded the space available on-premises. The company wants to extend its file storage capabilities for this group while retaining the performance benefit of sharing content locally. What is the most operationally efficient AWS solution for this scenario? 1/1

- ☒ Configure and deploy an AWS Storage Gateway file gateway. Connect each user's workstation to the file gateway ✓
- ☐ Create an Amazon S3 bucket for each user. Mount each bucket by using an S3 file system mounting utility.
- ☐ Deploy an Amazon EC2 instance and attach an Amazon Elastic Block Store (Amazon EBS) provisioned IOPS volume. Share the EBS volume directly with the users.
- ☐ Mount each user's working environment to Amazon workspaces. Set up an Amazon WorkDocs account for each user.

✓ A company needs to quickly and securely move files over long distances between its clients and an Amazon S3 bucket. Which S3 feature will meet this requirement? 1/1

- ☐ S3 Versioning
- ☐ S3 ACL's
- ☐ S3 Intelligent Tiering
- ☒ S3 Transfer Acceleration ✓

✓ A company needs to deliver new website features quickly in an iterative manner to minimize the time to market. Which AWS Cloud concept does this requirement represent ? 1/1

- ☐ Reliability
- ☐ High Availability
- ☐ Elasticity
- ☒ Agility



✓ A company is required to store its data close to its primary users. Which benefit of the AWS cloud supports this requirement? 1/1

- ☐ Security
- ☒ Global Footprint
- ☐ Elasticity
- ☐ High Availability



✓ What is the least expensive AWS Support plan that contains a full set of AWS Trusted advisor best practice checks? 1/1

- ☐ AWS Basic Support
- ☐ AWS Developer Support
- ☒ AWS Business Support
- ☐ AWS Enterprise Support



✓ A Company is designing its AWS workloads so that components can be updated regularly and so that changes can be made in small, reversible increments. Which pillar of the AWS Well-Architected Framework does this design support? 1/1

- ☐ Security
- ☐ Reliability
- ☐ Performance efficiency
- ☒ Operational excellence



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