# New test aws 3

Total points 59/65 ?

0 of 0 points

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Untitled section                                                     59 of 65 points

✓ A company needs to organize its resources and track AWS costs on a          *1/1
detailed level. The company needs to categorize costs by business
department, environment, and application.

Which solution will meet these requirements?

○ A. Access the AWS Cost Management console to organize resources, set an AWS
budget, and receive notifications of unintentional usage.

◉ B. Use tags to organize the resources. Activate cost allocation tags to track        ✓
AWS costs on a detailed level.

○ C. Create Amazon CloudWatch dashboards to visually organize and track costs
individually.

○ D. Access the AWS Billing and Cost Management dashboard to organize and track
resource consumption on a detailed level.

✓  A company wants to create Amazon QuickSight dashboards every week   *1/1
   by using its billing data.

   Which AWS feature or tool can the company use to meet these
   requirements?

   ○  A. AWS Budgets

   ○  B. AWS Cost Explorer

   ◉  C. AWS Cost and Usage Report                                      ✓

   ○  D. AWS Cost Anomaly Detection

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✓  An external auditor has requested that a company provide a list of all its   *1/1
   IAM users, including the status of users' credentials and access keys.

   What is the SIMPLEST way to provide this information?

   ○  A. Create an IAM user account for the auditor, granting the auditor administrator
      permissions.

   ○  B. Take a screenshot of each user's page in the AWS Management Console, then
      provide the screenshots to the auditor.

   ◉  C. Download the IAM credential report, then provide the report to the auditor.   ✓

   ○  D. Download the AWS Trusted Advisor report, then provide the report to the auditor.

✓  A company wants an AWS service to collect and process 10 TB of data      *1/1
locally and transfer the data to AWS. The company has intermittent
connectivity.

Which AWS service will meet these requirements

○ A. AWS Database Migration Service (AWS DMS)

○ B. AWS DataSync

○ C. AWS Backup

◉ D. AWS Snowball Edge                                                              ✓

✓  A company wants to create templates that the company can reuse to        *1/1
deploy multiple AWS resources.

Which AWS service or feature can the company use to meet this
requirement?

○ A. AWS Marketplace

○ B. Amazon Machine Image (AMI)

◉ C. AWS CloudFormation                                                            ✓

○ D. AWS OpsWorks

✓  Which option is an environment that consists of one or more data    *1/1
   centers?

   ○  A. Amazon CloudFront

   ◉  B. Availability Zone                                               ✓

   ○  C. VPC

   ○  D. AWS Outposts

✓  Which AWS service should users use to learn about AWS service        *1/1
   availability and operations?

   ○  A. Amazon EventBridge

   ○  B. AWS Service Catalog

   ○  C. AWS Control Tower

   ◉  D. AWS Health Dashboard                                           ✓

✕ Which action is a security best practice for access to sensitive data that *0/1
is stored in an Amazon S3 bucket?

○ A. Enable S3 Cross-Region Replication (CRR) on the S3 bucket. ✕

○ B. Use IAM roles for applications that require access to the S3 bucket.

○ C. Configure AWS WAF to prevent unauthorized access to the S3 bucket.

○ D. Configure Amazon GuardDuty to prevent unauthorized access to the S3 bucket.

Correct answer

◉ B. Use IAM roles for applications that require access to the S3 bucket.

✓ A company wants to identify Amazon S3 buckets that are shared with *1/1
another AWS account.

Which AWS service or feature will meet these requirements?

○ A. AWS Lake Formation

○ B. IAM credential report

○ C. Amazon CloudWatch

◉ D. IAM Access Analyzer ✓

✓ A company needs a central user portal so that users can log in to third-party business applications that support Security Assertion Markup Language (SAML) 2.0.  *1/1

Which AWS service will meet this requirement?

○ A. AWS Identity and Access Management (IAM)

○ B. Amazon Cognito

◉ C. AWS IAM Identity Center (AWS Single Sign-On)                    ✓

○ D. AWS CLI

✗ A company is planning to migrate its application to the AWS Cloud.  *0/1

Which AWS tool or set of resources should the company use to analyze and assess its readiness for migration?

○ A. AWS Cloud Adoption Framework (AWS CAF)

○ B. AWS Pricing Calculator

◉ C. AWS Well-Architected Framework                                  ✗

○ D. AWS Budgets

Correct answer

◉ A. AWS Cloud Adoption Framework (AWS CAF)

✓ A customer runs an On-Demand Amazon Linux EC2 instance for 3 hours,   *1/1
5 minutes, and 6 seconds.

For how much time will the customer be billed?

○ A. 3 hours, 5 minutes

◉ B. 3 hours, 5 minutes, and 6 seconds                                        ✓

○ C. 3 hours, 6 minutes

○ D. 4 hours

✕ A company needs to transfer data between an Amazon S3 bucket and an   *0/1
on-premises application.

Who is responsible for the security of this data, according to the AWS
shared responsibility model?

○ A. The company

◉ B. AWS                                                                       ✕

○ C. Firewall vendor

○ D. AWS Marketplace partner

Correct answer

◉ A. The company

✓ Which AWS services can a company use to achieve a loosely coupled architecture? (Choose two.) *1/1

☐ A. Amazon WorkSpaces

☑ B. Amazon Simple Queue Service (Amazon SQS) ✓

☐ C. Amazon Connect

☐ D. AWS Trusted Advisor

☑ E. AWS Step Functions ✓

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✓ Which Amazon EC2 pricing model is the MOST cost efficient for an uninterruptible workload that runs once a year for 24 hours? *1/1

◉ A. On-Demand Instances ✓

○ B. Reserved Instances

○ C. Spot Instances

○ D. Dedicated Instances

✓ A company is hosting an application in the AWS Cloud. The company    *1/1
wants to verify that underlying AWS services and general AWS
infrastructure are operating normally.

Which combination of AWS services can the company use to gather the
required information? (Choose two.)

☑ A. AWS Personal Health Dashboard                                      ✓

☐ B. AWS Systems Manager

☐ C. AWS Trusted Advisor

☑ D. AWS Service Health Dashboard                                       ✓

☐ E. AWS Service Catalog

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✓ A company must be able to develop, test, and launch an application in the *1/1
AWS Cloud quickly.

Which advantage of cloud computing will meet these requirements?

○ A. Stop guessing capacity

○ B. Trade fixed expense for variable expense

○ C. Achieve economies of scale

⦿ D. Increase speed and agility                                         ✓

✓ A company wants a unified tool to provide a consistent method to          *1/1
interact with AWS services.
Which AWS service or tool will meet this requirement?

◉ A. AWS CLI                                                                ✓

○ B. Amazon Elastic Container Service (Amazon ECS)

○ C. AWS Cloud9

○ D. AWS Virtual Private Network (AWS VPN)

---

✓ Which AWS service gives users the ability to discover and protect         *1/1
sensitive data that is stored in Amazon S3 buckets?

◉ A. Amazon Macie                                                           ✓

○ B. Amazon Detective

○ C. Amazon GuardDuty

○ D. AWS IAM Access Analyzer

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✓ A company that uses AWS needs to transfer 2 TB of data.                   *1/1

Which type of transfer of that data would result in no cost for the
company?

◉ A. Inbound data transfer from the internet                                ✓

○ B. Outbound data transfer to the internet

○ C. Data transfer between AWS Regions

○ D. Data transfer between Availability Zones

✓ Which design principles support the reliability pillar of the AWS Well-   *1/1
Architected Framework? (Choose two.)

☐ A. Perform operations as code.

☐ B. Enable traceability.

☑ C. Automatically scale to meet demand.   ✓

☐ D. Deploy resources globally to improve response time.

☑ E. Automatically recover from failure.   ✓

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✓ A company has migrated its workloads to AWS. The company wants to   *1/1
adopt AWS at scale and operate more efficiently and securely. Which
AWS service or framework should the company use for operational
support?

○ A. AWS Support

○ B. AWS Cloud Adoption Framework (AWS CAF)

◉ C. AWS Managed Services (AMS)   ✓

○ D. AWS Well-Architected Framework

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✓ Which AWS service is used to track, record, and audit configuration   *1/1
changes made to AWS resources?

○ A. AWS Shield

◉ B. AWS Config   ✓

○ C. AWS IAM

○ D. Amazon Inspector

✓  A company wants to integrate its online shopping website with social          *1/1
   media login credentials.

   Which AWS service can the company use to make this integration?

   ○  A. AWS Directory Service

   ○  B. AWS Identity and Access Management (IAM)

   ◉  C. Amazon Cognito                                                            ✓

   ○  D. AWS IAM Identity Center (AWS Single Sign-On)

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✓  A user has a stateful workload that will run on Amazon EC2 for the next 3      *1/1
   years.

   What is the MOST cost-effective pricing model for this workload?

   ○  A. On-Demand Instances

   ◉  B. Reserved Instances                                                        ✓

   ○  C. Dedicated Instances

   ○  D. Spot Instances

---

✓  Which task is a customer's responsibility, according to the AWS shared        *1/1
   responsibility model?

   ◉  A. Management of the guest operating systems                                 ✓

   ○  B. Maintenance of the configuration of infrastructure devices

   ○  C. Management of the host operating systems and virtualization

   ○  D. Maintenance of the software that powers Availability Zones

✓ A company needs to use third-party software for its workload on AWS.    *1/1

Which AWS service or feature can the company use to purchase the
software?

○ A. AWS Resource Access Manager

○ B. AWS Managed Services

○ C. AWS License Manager

◉ D. AWS Marketplace                                                          ✓

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✓ A company needs a content delivery network that provides secure    *1/1
delivery of data, videos, applications, and APIs to users globally with low
latency and high transfer speeds.

Which AWS service meets these requirements?

◉ A. Amazon CloudFront                                                        ✓

○ B. Elastic Load Balancing

○ C. Amazon S3

○ D. Amazon Elastic Transcoder

✓   Which AWS benefit is demonstrated by on-demand technology services          *1/1
    that enable companies to replace upfront fixed expenses with variable
    expenses?

○   A. High availability

○   B. Economies of scale

◉   C. Pay-as-you-go pricing                                                       ✓

○   D. Global reach

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✓   Which action will help increase security in the AWS Cloud? *                 1/1

○   A. Enable programmatic access for all IAM users.

○   B. Use IAM users instead of IAM roles to delegate permissions.

◉   C. Rotate access keys on a reoccurring basis.                                  ✓

○   D. Use inline policies instead of customer managed policies.

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✓   Which of the following is an AWS value proposition that describes a          *1/1
    user's ability to scale infrastructure based on demand?

○   A. Speed of innovation

◉   B. Resource elasticity                                                         ✓

○   C. Decoupled architecture

○   D. Global deployment

✓ A company often does not use all of its current Amazon EC2 capacity to   *1/1
run stateless workloads. The company wants to optimize its EC2 costs.

Which EC2 instance type will meet these requirements?

◉ A. Spot Instances                                                          ✓

○ B. Dedicated Instances

○ C. Reserved Instances

○ D. On-Demand Instances

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✓ A company wants to improve its security posture by reviewing user         *1/1
activity through API calls.

Which AWS service will meet this requirement?

○ A. AWS WAF

○ B. Amazon Detective

○ C. Amazon CloudWatch

◉ D. AWS CloudTrail                                                          ✓

✓ A company is using Amazon DynamoDB for its application database.   *1/1

Which tasks are the responsibility of AWS, according to the AWS shared responsibility model? (Choose two.)

☐ A. Classify data.

☐ B. Configure access permissions.

☐ C. Manage encryption options.

☑ D. Provide public endpoints to store and retrieve data.          ✓

☑ E. Manage the infrastructure layer and the operating system.     ✓

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✓ A company hosts a large amount of data in AWS. The company wants to   *1/1
identify if any of the data should be considered sensitive.

Which AWS service will meet the requirement?

○ A. Amazon Inspector

⦿ B. Amazon Macie                                                   ✓

○ C. AWS Identity and Access Management (IAM)

○ D. Amazon CloudWatch

✓ A company needs to migrate a PostgreSQL database from on-premises   *1/1
to Amazon RDS.

Which AWS service or tool should the company use to meet this
requirement?

○ A. Cloud Adoption Readiness Tool

○ B. AWS Migration Hub

◉ C. AWS Database Migration Service (AWS DMS)                    ✓

○ D. AWS Application Migration Service

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✓ A company wants to migrate its PostgreSQL database to AWS. The     *1/1
company does not use the database frequently.

Which AWS service or resource will meet these requirements with the
LEAST management overhead?

○ A. PostgreSQL on Amazon EC2

○ B. Amazon RDS for PostgreSQL

○ C. Amazon Aurora PostgreSQL-Compatible Edition

◉ D. Amazon Aurora Serverless                                   ✓

✓ Who enables encryption of data at rest for Amazon Elastic Block Store (Amazon EBS)? *1/1

○ A. AWS Support

◉ B. AWS customers ✓

○ C. AWS Key Management Service (AWS KMS)

○ D. AWS Trusted Advisor

✓ A company is planning to move data backups to the AWS Cloud. The company needs to replace on-premises storage with storage that is cloud-based but locally cached. *1/1

Which AWS service meets these requirements?

◉ A. AWS Storage Gateway ✓

○ B. AWS Snowcone

○ C. AWS Backup

○ D. Amazon Elastic File System (Amazon EFS)

✗ A company needs to engage third-party consultants to help maintain and *0/1
support its AWS environment and the company's business needs.

Which AWS service or resource will meet these requirements?

○ A. AWS Support

◉ B. AWS Organizations ✗

○ C. AWS Service Catalog

○ D. AWS Partner Network (APN)

Correct answer

◉ D. AWS Partner Network (APN)

✓ A company plans to migrate its application to AWS and run the *1/1
application on Amazon EC2 instances. The application will have
continuous usage for 1 year.

Which EC2 instance purchasing option will meet these requirements
MOST cost-effectively?

◉ A. Reserved Instances ✓

○ B. Spot Instances

○ C. On-Demand Instances

○ D. Dedicated Hosts

✓ A user wants to securely automate the management and rotation of    *1/1
credentials that are shared between applications, while spending the
least amount of time on managing tasks.

Which AWS service or feature can be used to accomplish this?

○ A. AWS CloudHSM

○ B. AWS Key Management Service (AWS KMS)

◉ C. AWS Secrets Manager                                                 ✓

○ D. Server-side encryption

✓ Which AWS service or feature can a company use to apply security rules   *1/1
to specific Amazon EC2 instances?

○ A. Network ACLs

◉ B. Security groups                                                     ✓

○ C. AWS Trusted Advisor

○ D. AWS WAF

✓  Which AWS services or features enable users to connect on-premises    *1/1
   networks to a VPC? (Choose two.)

✓  A. AWS VPN                                                                    ✓

☐  B. Elastic Load Balancing

✓  C. AWS Direct Connect                                                         ✓

☐  D. VPC peering

☐  E. Amazon CloudFront

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✓  Which of the following describes some of the core functionality of    *1/1
   Amazon S3?

○  A. Amazon S3 is a high-performance block storage service that is designed for use
   with Amazon EC2.

◉  B. Amazon S3 is an object storage service that provides high-level performance,  ✓
   security, scalability, and data availability.

○  C. Amazon S3 is a fully managed, highly reliable, and scalable file storage system
   that is accessible over the industry-standard SMB protocol.

○  D. Amazon S3 is a scalable, fully managed elastic NFS for use with AWS Cloud
   services and on-premises resources.

✓  A company wants to know more about the benefits offered by cloud          *1/1
   computing. The company wants to understand the operational advantage
   of agility. How does AWS provide agility for users?

○  A. The ability the ensure high availability by deploying workloads to multiple regions

○  B. A pay-as-you-go model for many services and resources

○  C. The ability to transfer infrastructure management to the AWS Cloud

◉  D. The ability to provision and deprovision resources quickly with minimal effort  ✓

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✓  A company wants its Amazon EC2 instances to operate in a highly          *1/1
   available environment, even if there is a natural disaster in a particular
   geographic area.

   Which approach will achieve this goal?

◉  A. Use EC2 instances in multiple AWS Regions.                                    ✓

○  B. Use EC2 instances in multiple Amazon CloudFront locations.

○  C. Use EC2 instances in multiple edge locations.

○  D. Use EC2 instances in AWS Local Zones.

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

☑ A. Server-side encryption with Amazon S3 managed encryption keys (SSE-S3)   ✓

☑ B. Server-side encryption with AWS KMS managed keys (SSE-KMS)   ✓

☐ C. TLS

☐ D. SSL

☐ E. Transparent Data Encryption (TDE)

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✓ A company has deployed an Amazon EC2 instance.   *1/1

Which option is an AWS responsibility under the AWS shared
responsibility model?

○ A. Managing and encrypting application data

○ B. Installing updates and security patches of guest operating system

◉ C. Configuration of infrastructure devices   ✓

○ D. Configuration of security groups on each instance

✓ A company that has multiple business units wants to centrally manage   *1/1
and govern its AWS Cloud environments. The company wants to
automate the creation of AWS accounts, apply service control policies
(SCPs), and simplify billing processes.

Which AWS service or tool should the company use to meet these
requirements?

◉ A. AWS Organizations                                                            ✓

○ B. Cost Explorer

○ C. AWS Budgets

○ D. AWS Trusted Advisor

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✓ A company wants a customized assessment of its current on-premises   *1/1
environment. The company wants to understand its projected running
costs in the AWS Cloud.

Which AWS service or tool will meet these requirements?

○ A. AWS Trusted Advisor

○ B. Amazon Inspector

○ C. AWS Control Tower

◉ D. Migration Evaluator                                                          ✓

✓   Which AWS service allows users to model and provision AWS resources   *1/1
    using common programming languages?

○   A. AWS CloudFormation

○   B. AWS CodePipeline

◉   C. AWS Cloud Development Kit (AWS CDK)                                         ✓

○   D. AWS Systems Manager

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✓   Which actions are the responsibility of AWS, according to the AWS shared *1/1
    responsibility model? (Choose two.)

☑   A. Securing the virtualization layer                                          ✓

☐   B. Patching the operating system on Amazon EC2 instances

☐   C. Enforcing a strict password policy for IAM users

☑   D. Patching the operating system on Amazon RDS instances                      ✓

☐   E. Configuring security groups and network ACLs

✓   A company hosts an application on multiple Amazon EC2 instances. The   *1/1
    application uses Amazon Simple Notification Service (Amazon SNS) to
    send messages.

    Which AWS service or feature will give the application permission to
    access required AWS services?

○   A. AWS Certificate Manager (ACM)

◉   B. IAM roles                                                                    ✓

○   C. AWS Security Hub

○   D. Amazon GuardDuty

✓   A company has a fleet of cargo ships. The cargo ships have sensors that   *1/1
    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?

○   A. AWS IoT Core

○   B. Amazon Lightsail

○   C. AWS Storage Gateway

◉   D. AWS Snowball Edge                                                            ✓

✗ A company wants to migrate its database to a managed AWS service that *0/1
is compatible with PostgreSQL.

Which AWS services will meet these requirements? (Choose two.)

☑ A. Amazon Athena                                                     ✗

☑ B. Amazon RDS                                                        ✓

☐ C. Amazon EC2

☐ D. Amazon DynamoDB

☐ E. Amazon Aurora

Correct answer

☑ B. Amazon RDS

☑ E. Amazon Aurora

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✓ A company is building an application that requires the ability to send,   *1/1
store, and receive messages between application components. The
company has another requirement to process messages in first-in, first-
out (FIFO) order.

Which AWS service should the company use?

○ A. AWS Step Functions

○ B. Amazon Simple Notification Service (Amazon SNS)

○ C. Amazon Kinesis Data Streams

◉ D. Amazon Simple Queue Service (Amazon SQS)                           ✓

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

○ A. Software licenses

○ B. Networking

◉ C. Customer data                                                        ✓

○ D. Encryption keys

✓ Which AWS service or tool can be used to capture information about     *1/1
inbound and outbound traffic in an Amazon VPC?

◉ A. VPC Flow Logs                                                        ✓

○ B. Amazon Inspector

○ C. VPC endpoint services

○ D. NAT gateway

✓ Which AWS service gives users the ability to build interactive business  *1/1
intelligence dashboards that include machine learning insights?

○ A. Amazon Athena

○ B. Amazon Kendra

◉ C. Amazon QuickSight                                                    ✓

○ D. Amazon Redshift

✓ Which pillar of the AWS Well-Architected Framework refers to the ability of a system to recover from infrastructure or service disruptions and dynamically acquire computing resources to meet demand? *1/1

○ A. Security

◉ B. Reliability ✓

○ C. Performance efficiency

○ D. Cost optimization

✓ A company wants to automatically add and remove Amazon EC2 instances. The company wants the EC2 instances to adjust to varying workloads dynamically. *1/1

Which service or feature will meet these requirements?

○ A. Amazon DynamoDB

○ B. Amazon EC2 Spot Instances

○ C. AWS Snow Family

◉ D. Amazon EC2 Auto Scaling ✓

✓ Which AWS service helps users audit API activity across their AWS account? *1/1

◉ A. AWS CloudTrail ✓

○ B. Amazon Inspector

○ C. AWS WAF

○ D. AWS Config

✕   A company is moving an on-premises data center to the AWS Cloud. The   *0/1
    company must migrate 50 petabytes of file storage data to AWS with the
    least possible operational overhead.

    Which AWS service or resource should the company use to meet these
    requirements?

◯   A. AWS Snowmobile

◯   B. AWS Snowball Edge

◯   C. AWS Data Exchange

◉   D. AWS Database Migration Service (AWS DMS)                    ✕

Correct answer

◉   A. AWS Snowmobile

✓   A company wants to modernize and convert a monolithic application into   *1/1
    microservices. The company wants to move the application to AWS.

    Which migration strategy should the company use?

◯   A. Rehost

◯   B. Replatform

◯   C. Repurchase

◉   D. Refactor                                                  ✓

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