

# MODULE 1

## Q1. What is cloud computing?

- ☐ Backing up files that are stored on desktop and mobile devices to prevent data loss
- ☐ Deploying applications connected to on-premises infrastructure
- ☐ Running code without needing to manage or provision servers
- ☒ On-demand delivery of IT resources and applications through the internet with pay-as-you-go pricing

## Q2. What is another name for on-premises deployment?

- ☒ Private cloud deployment
- ☐ Cloud-based application
- ☐ Hybrid deployment
- ☐ AWS Cloud

## Q3. How does the scale of cloud computing help you to save costs?

- ☐ You do not have to invest in technology resources before using them.
- ☒ The aggregated cloud usage from a large number of customers results in lower pay-as-you-go prices.
- ☐ Accessing services on-demand helps to prevent excess or limited capacity.
- ☐ You can quickly deploy applications to customers and provide them with low latency.

# Module 2

## Q1. You want to use an Amazon EC2 instance for a batch processing workload. What would be the best Amazon EC2 instance type to use?

- ☐ General purpose
- ☐ Memory optimized
- ☒ Compute optimized
- ☐ Storage optimized

## Q2. What are the contract length options for Amazon EC2 Reserved Instances? (Select TWO.)

- ☒ 1 year
- ☐ 2 years
- ☒ 3 years

- ☐ 4 years
- ☐ 5 years

Q3. You have a workload that will run for a total of 6 months and can withstand interruptions. What would be the most cost-efficient Amazon EC2 purchasing option?

- ☐ Reserved Instance
- ☒ Spot Instance
- ☐ Dedicated Instance
- ☐ On-Demand Instance

Q4. Which process is an example of Elastic Load Balancing?

- ☒ Ensuring that no single Amazon EC2 instance has to carry the full workload on its own
- ☐ Removing unneeded Amazon EC2 instances when demand is low
- ☐ Adding a second Amazon EC2 instance during an online store's popular sale
- ☐ Automatically adjusting the number of Amazon EC2 instances to meet demand

Q5. You want to deploy and manage containerized applications. Which service should you use?

- ☐ AWS Lambda
- ☐ Amazon Simple Notification Service (Amazon SNS)
- ☐ Amazon Simple Queue Service (Amazon SQS)
- ☒ Amazon Elastic Kubernetes Service (Amazon EKS)

## Module 3

Q1. Which statement is TRUE for the AWS global infrastructure?

- ☐ A Region consists of a single Availability Zone.
- ☐ An Availability Zone consists of two or more Regions.
- ☒ A Region consists of two or more Availability Zones.
- ☐ An Availability Zone consists of a single Region.

Q2. Which factors should be considered when selecting a Region? (Select TWO.)

- ☒ Compliance with data governance and legal requirements
- ☒ Proximity to your customers
- ☐ Access to 24/7 technical support
- ☐ Ability to assign custom permissions to different users
- ☐ Access to the AWS Command Line Interface (AWS CLI)

Q3. Which statement best describes Amazon CloudFront?

- ☐ A service that enables you to run infrastructure in a hybrid cloud approach
- ☐ A serverless compute engine for containers
- ☐ A service that enables you to send and receive messages between software components through a queue
- ☒ A global content delivery service

Q4. Which site does Amazon CloudFront use to cache copies of content for faster delivery to users at any location?

- ☐ Region
- ☐ Availability Zone
- ☒ Edge location
- ☐ Origin

Q5. Which action can you perform with AWS Outposts?

- ☐ Automate actions for AWS services and applications through scripts.
- ☐ Access wizards and automated workflows to perform tasks in AWS services.
- ☐ Develop AWS applications in supported programming languages.
- ☒ Extend AWS infrastructure and services to your on-premises data center.

## Module 4

Q1. Your company has an application that uses Amazon EC2 instances to run the customer-facing website and Amazon RDS database instances to store customers'

personal information. How should the developer configure the VPC according to best practices?

- ☐ Place the Amazon EC2 instances in a private subnet and the Amazon RDS database instances in a public subnet.
- ☒ Place the Amazon EC2 instances in a public subnet and the Amazon RDS database instances in a private subnet.
- ☐ Place the Amazon EC2 instances and the Amazon RDS database instances in a public subnet.
- ☐ Place the Amazon EC2 instances and the Amazon RDS database instances in a private subnet.

Q2. Which component can be used to establish a private dedicated connection between your company's data center and AWS?

- ☐ Private subnet
- ☐ DNS
- ☒ AWS Direct Connect
- ☐ Virtual private gateway

Q3. Which statement best describes security groups?

- ☒ They are stateful and deny all inbound traffic by default.
- ☐ They are stateful and allow all inbound traffic by default.
- ☐ They are stateless and deny all inbound traffic by default.
- ☐ They are stateless and allow all inbound traffic by default.

Q4. Which component is used to connect a VPC to the internet?

- ☐ Public subnet
- ☐ Edge location
- ☐ Security group
- ☒ Internet gateway

Q5. Which service is used to manage the DNS records for domain names?

- ☐ Amazon Virtual Private Cloud
- ☐ AWS Direct Connect

- ☐ Amazon CloudFront
- ☒ Amazon Route 53

## Module 5

Q1. Which Amazon S3 storage classes are optimized for archival data? (Select TWO.)

- ☐ Amazon S3 Standard
- ☒ Amazon S3 Glacier Flexible Retrieval
- ☐ Amazon S3 Intelligent-Tiering
- ☐ Amazon S3 Standard-IA
- ☒ Amazon S3 Glacier Deep Archive

Q2. Which statement or statements are TRUE about Amazon EBS volumes and Amazon EFS file systems?

- ☒ EBS volumes store data within a single Availability Zone. Amazon EFS file systems store data across multiple Availability Zones.
- ☐ EBS volumes store data across multiple Availability Zones. Amazon EFS file systems store data within a single Availability Zone.
- ☐ EBS volumes and Amazon EFS file systems both store data within a single Availability Zone.
- ☐ EBS volumes and Amazon EFS file systems both store data across multiple Availability Zones.

Q3. You want to store data in an object storage service. Which AWS service is best for this type of storage?

- ☐ Amazon Managed Blockchain
- ☐ Amazon Elastic File System (Amazon EFS)
- ☐ Amazon Elastic Block Store (Amazon EBS)
- ☒ Amazon Simple Storage Service (Amazon S3)

Q4. Which statement best describes Amazon DynamoDB?

- ☐ A service that enables you to run relational databases in the AWS Cloud
- ☒ A serverless key-value database service

- ☐ A service that you can use to migrate relational databases, nonrelational databases, and other types of data stores
- ☐ An enterprise-class relational database

Q5. Which service is used to query and analyze data across a data warehouse?

- ☒ Amazon Redshift
- ☐ Amazon Neptune
- ☐ Amazon DocumentDB
- ☐ Amazon ElastiCache

## Module 6

Q1. Which statement best describes an IAM policy?

- ☐ An authentication process that provides an extra layer of protection for your AWS account
- ☒ A document that grants or denies permissions to AWS services and resources
- ☐ An identity that you can assume to gain temporary access to permissions
- ☐ The identity that is established when you first create an AWS account


Q2. An employee requires temporary access to create several Amazon S3 buckets.  
Which option would be the best choice for this task?

- ☐ AWS account root user
- ☐ IAM group
- ☒ IAM role
- ☐ Service control policy (SCP)


Q3. Which statement best describes the principle of least privilege?

- ☐ Adding an IAM user into at least one IAM group
- ☐ Checking a packet's permissions against an access control list
- ☒ Granting only the permissions that are needed to perform specific tasks
- ☐ Performing a denial of service attack that originates from at least one device

Q4. Which service helps protect your applications against distributed denial-of-service (DDoS) attacks?


- 
- ☐ Amazon GuardDuty
  - ☐ Amazon Inspector
  - ☐ AWS Artifact
  - ☒ AWS Shield

Q5. Which task can AWS Key Management Service (AWS KMS) perform?


- 
- ☐ Configure multi-factor authentication (MFA).
  - ☐ Update the AWS account root user password.
  - ☒ Create cryptographic keys.
  - ☐ Assign permissions to users and groups.


## Module 7

Q1. Which actions can you perform using Amazon CloudWatch? (Select TWO.)


- 
- ☒ Monitor your resources' utilization and performance
  - ☐ Receive real-time guidance for improving your AWS environment
  - ☐ Compare your infrastructure to AWS best practices in five categories
  - ☒ Access metrics from a single dashboard
  - ☐ Automatically detect unusual account activity

Q2. Which service enables you to review the security of your Amazon S3 buckets by checking for open access permissions?




- 
- ☐ Amazon CloudWatch
  - ☐ AWS CloudTrail
  - ☒ AWS Trusted Advisor
  - ☐ Amazon GuardDuty

Q3. Which categories are included in the AWS Trusted Advisor dashboard? (Select TWO.)


- 
- ☐ Reliability
  - ☒ Performance
  - ☐ Scalability
  - ☐ Elasticity
  - ☒ Fault tolerance

## Module 8


Q1. Which action can you perform with consolidated billing?

- 
- ☐ Review how much cost your predicted AWS usage will incur by the end of the month.
  - ☐ Create an estimate for the cost of your use cases on AWS.
  - ☒ Combine usage across accounts to receive volume pricing discounts.
  - ☐ Visualize and manage your AWS costs and usage over time.

Q2. Which pricing tool is used to visualize, understand, and manage your AWS costs and usage over time?

- 
- ☐ AWS Pricing Calculator
  - ☐ AWS Budgets
  - ☒ AWS Cost Explorer
  - ☐ AWS Free Tier

Q3. Which pricing tool enables you to receive alerts when your service usage exceeds a threshold that you have defined?

- 
- ☐ Billing dashboard in the AWS Management Console
  - ☒ AWS Budgets
  - ☐ AWS Free Tier
  - ☐ AWS Cost Explorer

Q4. Your company wants to receive support from an AWS Technical Account Manager (TAM). Which support plan should you choose?

- 
- ☐ Developer



- ☒ Enterprise
- ☐ Basic
- ☐ Business

Q5. Which service or resource is used to find third-party software that runs on AWS?

- ☒ AWS Marketplace
- ☐ AWS Free Tier
- ☐ AWS Support
- ☐ Billing dashboard in the AWS Management Console

## Module 9

Q1. Which Perspective of the AWS Cloud Adoption Framework helps you structure the selection and implementation of permissions?

- ☐ Governance Perspective
- ☒ Security Perspective
- ☐ Operations Perspective
- ☐ Business Perspective

Q2. Which strategies are included in the six strategies for application migration? (Select TWO.)


- ☐ Revisiting
- ☒ Retaining
- ☐ Remembering
- ☐ Redeveloping
- ☒ Rehosting

Q3. What is the storage capacity of AWS Snowmobile?

- ☐ 40 PB
- ☐ 60 PB


- ☐ 80 PB
- ☒ 100 PB

Q4. Which statement best describes Amazon Lex?


- 
- ☒ A service that enables you to build conversational interfaces using voice and text
  - ☐ A machine learning service that automatically extracts text and data from scanned documents
  - ☐ A document database service that supports MongoDB workloads
  - ☐ A service that enables you to identify potentially fraudulent online activities

## Module 10

Q1. Which pillar of the AWS Well-Architected Framework includes the ability to run workloads effectively and gain insights into their operations?

- 
- ☐ Cost Optimization
  - ☒ Operational Excellence
  - ☐ Performance Efficiency
  - ☐ Reliability

Q2. What are the benefits of cloud computing? (Select TWO.)

- 
- ☒ Increase speed and agility.
  - ☐ Benefit from smaller economies of scale.
  - ☐ Trade variable expense for upfront expense.
  - ☐ Maintain infrastructure capacity.
  - ☒ Stop spending money running and maintaining data centers.

## Module 11

Introduces about the Exam details and Exam strategies.

# AWS-Cloud-Practitioner-Essentials

<https://explore.skillbuilder.aws/learn/course/external/view/elearning/134/aws-cloud-practitioner-essentials?dt=tile&tile=fdt>  
([https://explore.skillbuilder.aws/learn/course/external/view/elearning/134/aws-cloud-practitioner-essentials?](https://explore.skillbuilder.aws/learn/course/external/view/elearning/134/aws-cloud-practitioner-essentials?dt=tile&tile=fdt)  
[dt=tile&tile=fdt](https://explore.skillbuilder.aws/learn/course/external/view/elearning/134/aws-cloud-practitioner-essentials?dt=tile&tile=fdt))

To begin this course, select START COURSE. To advance to a specific topic, scroll down and select the lesson. For further directions, select the Directions lesson.

Introduction to AWS Cloud Practitioner Essentials

## MODULE 1: INTRODUCTION TO AMAZON WEB SERVICES

- > Module 1 introduction
- > Cloud computing
- > Module 1 quiz

## MODULE 2: COMPUTE IN THE CLOUD

- > Module 2 introduction
- > Amazon EC2 instance types
  - > Amazon EC2 pricing
  - > Scaling Amazon EC2
- > Directing traffic with Elastic Load Balancing
  - > Messaging and queuing
- > Additional compute services
  - > Module 2 summary
  - > Module 2 quiz

## MODULE 3: GLOBAL INFRASTRUCTURE AND RELIABILITY

- > Module 3 introduction
- > AWS global infrastructure
  - > Edge locations
- > How to provision AWS resources
  - > Module 3 summary
  - > Module 3 quiz

## MODULE 4: NETWORKING

- > Module 4 introduction
- > Connectivity to AWS
- > Subnets and network access control lists
  - > Global networking
- > Module 4 summary
- > Module 4 quiz

## -> MODULE 5: STORAGE AND DATABASES

## Module 5 introduction

- > Instance stores and Amazon Elastic Block Store (Amazon EBS)
  - > Amazon Simple Storage Service (Amazon S3)
  - > Amazon Elastic File System (Amazon EFS)
- > Amazon Relational Database Service (Amazon RDS)
  - > Amazon DynamoDB
  - > Amazon Redshift
- > AWS Database Migration Service
- > Additional database services
  - > Module 5 summary
  - > Module 5 quiz

## MODULE 6: SECURITY

- > Module 6 introduction
- > Shared responsibility model
- > User permissions and access
  - > AWS Organizations
  - > Compliance
- > Denial-of-service attacks
- > Additional security services
  - > Module 6 summary
  - > Module 6 quiz

## MODULE 7: MONITORING AND ANALYTICS

- > Module 7 introduction
- > Amazon CloudWatch
  - > AWS CloudTrail
- > AWS Trusted Advisor
- > Module 7 summary
- > Module 7 quiz

## MODULE 8: PRICING AND SUPPORT

- > Module 8 introduction
  - > AWS Free Tier
- > AWS pricing concepts
  - > Billing dashboard
  - > Consolidated billing
    - > AWS Budgets
  - > AWS Cost Explorer
- > AWS Support plans
  - > AWS Marketplace
- > Module 8 summary
- > Module 8 quiz

## MODULE 9: MIGRATION AND INNOVATION

- > Module 9 introduction
- > AWS Cloud Adoption Framework (AWS CAF)
  - > Migration strategies

-> AWS Snow Family

-> Innovation with AWS

-> Module 9 summary

-> Module 9 quiz

#### MODULE 10: THE CLOUD JOURNEY

-> Module 10 introduction

-> The AWS Well-Architected Framework

-> Benefits of the AWS Cloud

-> Module 10 summary

-> Module 10 quiz

#### MODULE 11: AWS CERTIFIED CLOUD PRACTITIONER BASICS

-> Module 11 introduction

-> Exam details

-> Exam strategies

#### FINAL ASSESSMENT

-> Final assessment

## Final Assessment

Q1. Which service enables you to build the workflows that are required for human review of machine learning predictions?

- ☐ Amazon Textract
- ☒ Amazon Augmented AI
- ☐ Amazon Aurora
- ☐ Amazon Lex

Q2. Which statement best describes Amazon GuardDuty?

- ☐ A service that checks applications for security vulnerabilities and deviations from security best practices.
- ☐ A service that helps protect your applications against distributed denial-of-service (DDoS) attacks.
- ☒ A service that provides intelligent threat detection for your AWS infrastructure and resources.
- ☐ A service that lets you monitor network requests that come into your web applications.

Q3. Which AWS Trusted Advisor category includes checks for your service limits and overutilized instances?


- ☒ Performance
- ☐ Security

- ☐ Fault Tolerance
- ☐ Cost Optimization



Q4. You want to store data in a volume that is attached to an Amazon EC2 instance. Which service should you use?

- 
- ☐ Amazon ElastiCache
  - ☐ AWS Lambda
  - ☐ Amazon Simple Storage Service (Amazon S3)
  - ☒ Amazon Elastic Block Store (Amazon EBS)


Q5. You want to send and receive messages between distributed application components. Which service should you use?

- 
- ☒ Amazon Simple Queue Service (Amazon SQS)
  - ☐ Amazon ElastiCache
  - ☐ Amazon Route 53
  - ☐ AWS Snowball

Q6. Which service is used to quickly deploy and scale applications on AWS?


- 
- ☒ AWS Elastic Beanstalk
  - ☐ Amazon CloudFront
  - ☐ AWS Outposts
  - ☐ AWS Snowball
- 

Q7. Which statement best describes an Availability Zone?


- 
- ☒ A fully isolated portion of the AWS global infrastructure.
  - ☐ A separate geographical location with multiple locations that are isolated from each other.
  - ☐ A site that Amazon CloudFront uses to cache copies of content for faster delivery to users at any location.
  - ☐ The server from which Amazon CloudFront gets your files.

Q8. Which actions can you perform in Amazon Route 53? (Select TWO.)


- ☐ Monitor your applications and respond to system-wide performance changes.

- 
- ☒ Manage DNS records for domain names.
  - ☐ Access AWS security and compliance reports and select online agreements.
  - ☒ Connect user requests to infrastructure in AWS and outside of AWS.
  - ☐ Automate the deployment of workloads into your AWS environment.


### Q9. Which statement is TRUE for AWS Lambda?

- 
- ☒ You pay only for compute time while your code is running.
  - ☐ Before using AWS Lambda, you must prepay for your estimated compute time.
  - ☐ The first step in using AWS Lambda is provisioning a server.
  - ☐ To use AWS Lambda, you must configure the servers that run your code.


### Q10. Which service is used to run containerized applications on AWS?

- 
- ☐ Amazon Aurora
  - ☒ Amazon Elastic Kubernetes Service (Amazon EKS)
  - ☐ Amazon SageMaker
  - ☐ Amazon Redshift

### Q11. Which service is used to transfer up to 80 PB of data to AWS?

- 
- ☒ AWS Snowmobile
  - ☐ Amazon Neptune
  - ☐ AWS DeepRacer
  - ☐ Amazon CloudFront

### Q12. Which statement best describes AWS Marketplace?

- 
- ☐ A resource that provides guidance, architectural reviews, and ongoing communication with your company as you plan, deploy, and optimize your applications.
  - ☐ A resource that can answer questions about best practices and assist with troubleshooting issues.
  - ☒ A digital catalog that includes thousands of software listings from independent software vendors.
  - ☐ An online tool that inspects your AWS environment and provides real-time guidance in accordance with AWS best practices.

Q13. Which action can you perform in Amazon CloudFront?

- ☒ Deliver content to customers through a global network of edge locations.
- ☐ Provision an isolated section of the AWS Cloud to launch resources in a virtual network that you define.
- ☐ Run infrastructure in a hybrid cloud approach.
- ☐ Provision resources by using programming languages or a text file.

Q14. Which service enables you to review details for user activities and API calls that have occurred within your AWS environment?

- ☐ Amazon Inspector
- ☐ Amazon CloudWatch
- ☒ AWS CloudTrail
- ☐ AWS Trusted Advisor

Q15. Which Support plans include access to all AWS Trusted Advisor checks? (Select TWO.)

- ☐ Developer
- ☒ Business
- ☐ Basic
- ☐ AWS Free Tier
- ☒ Enterprise

Q16. Which migration strategy involves changing how an application is architected and developed, typically by using cloud-native features?

- ☐ Rehosting
- ☐ Replatforming
- ☐ Repurchasing
- ☒ Refactoring


Q17. Which tasks are the responsibilities of AWS? (Select TWO.)

- ☐ Configuring security groups on Amazon EC2 instances.




- ☐ Creating IAM users and groups.
- ☒ Maintaining virtualization infrastructure.
- ☒ Configuring AWS infrastructure devices.
- ☐ Training company employees on how to use AWS services.

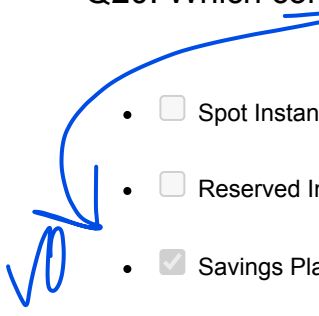
Q18. Which service enables you to consolidate and manage multiple AWS accounts from a central location?

- 
- ☐ AWS Identity and Access Management (IAM)
  - ☐ AWS Artifact
  - ☐ AWS Key Management Service (AWS KMS)
  - ☒ AWS Organizations

Q19. In the S3 Intelligent-Tiering storage class, Amazon S3 moves objects between a frequent access tier and an infrequent access tier. Which storage classes are used for these tiers? (Select TWO.)

- 
- ☐ S3 One Zone-IA
  - ☒ S3 Standard
  - ☐ S3 Glacier Deep Archive
  - ☐ S3 Glacier
  - ☒ S3 Standard-IA

Q20. Which compute option reduces costs when you commit to a consistent amount of compute usage for a 1-year or 3-year term?

- 
- ☐ Spot Instances
  - ☐ Reserved Instances
  - ☒ Savings Plans
  - ☐ Dedicated Hosts

Q21. Which statement best describes Elastic Load Balancing?

- ☒ A service that distributes incoming traffic across multiple targets, such as Amazon EC2 instances.

- ☐ A service that monitors your applications and automatically adds or removes capacity from your resource groups in response to changing demand.
- ☐ A service that provides data that you can use to monitor your applications, optimize resource utilization, and respond to system-wide performance changes.
- ☐ A service that enables you to set up, manage, and scale a distributed in-memory or cache environment in the cloud.

Q22. You want Amazon S3 to monitor your objects' access patterns. Which storage class should you use?

- ☐ S3 One Zone-IA
- ☐ S3 Standard-IA
- ☐ S3 Glacier
- ☒ S3 Intelligent-Tiering

Q23. Which component or service enables you to establish a dedicated private connection between your data center and virtual private cloud (VPC)?

- ☐ Amazon CloudFront
- ☐ Virtual private gateway
- ☐ Internet gateway
- ☒ AWS Direct Connect

Q24. You want to store data in a key-value database. Which service should you use?

- ☐ Amazon Aurora
- ☒ Amazon DynamoDB
- ☐ Amazon RDS
- ☐ Amazon DocumentDB

Q25. You are running an Amazon EC2 instance and want to store data in an attached resource. Your data is temporary and will not be kept long term. Which resource should you use?

- ☒ Instance store
- ☐ Amazon Elastic Block Store (Amazon EBS) volume

- ☐ Subnet
- ☐ Amazon S3 bucket

Q26. Which virtual private cloud (VPC) component controls inbound and outbound traffic for Amazon EC2 instances?

- ✓
- ☐ Network access control list
  - ☒ Security group
  - ☐ Subnet
  - ☐ Internet gateway

Q27. Which tool enables you to visualize, understand, and manage your AWS costs and usage over time?

- ✓
- ☐ AWS Artifact
  - ☐ AWS Budgets
  - ☒ AWS Cost Explorer
  - ☐ AWS Pricing Calculator


Q28. Which Perspective of the AWS Cloud Adoption Framework focuses on recovering IT workloads to meet the requirements of your business stakeholders?

- ✓
- ☐ People Perspective
  - ☐ Business Perspective
  - ☒ Operations Perspective
  - ☐ Governance Perspective

Q29. Which pillar of the AWS Well-Architected Framework focuses on using computing resources in ways that meet system requirements?

- ☐ Operational Excellence
- ☐ Reliability
- ☐ Security
- ☒ Performance Efficiency

Q30. Which tool is used to automate actions for AWS services and applications through scripts?

- 
- ☒ AWS Command Line Interface
  - ☐ Amazon Redshift
  - ☐ AWS Snowball
  - ☐ Amazon QLDB