Practice Exam 1 Instructions

65 questions | 1 hour 30 minutes | 70% correct required to pass.

Close all browser windows, folders and files that can help you cheat in this practice exam.

Use a good clock to ensure you stick to the allotted time. Alternatively, you can use any online exam timer like this: [www.online-stopwatch.com/exam-timers/basic-exam-timer/](https://www.online-stopwatch.com/exam-timers/basic-exam-timer/)

The practice test is delivered to simulate a real AWS exam with a duration of 90 minutes and a passing score of 70%. The questions and answers are randomized each time you take the test.

You can pause the clock at any time and resume the test later. You can retake the test as many times as you would like.

At the end of the exam, you can download my answers (pdf file), explanations and reference links from your training resources folder. Use my answers to mark your answer script.

If you want to share your result with me, send it through my email: [nawaziostrainer@gmail.com](mailto:nawaziostrainer@gmail.com).

Your exam starts on the next page.

Practice Exam 1

# Question 1

Which AWS service is primarily used for software version control?

1. AWS CodeCommit
2. AWS CodeStar
3. AWS Cloud9
4. AWS CodeDeploy

# Question 2

Which AWS service can you use to install a third-party database?

1. Amazon RDS
2. Amazon DynamoDB
3. Amazon EC2
4. Amazon EMR

# Question 3

Identify the services that have a global (rather than regional) scope? (choose 2)

1. Amazon Route 53
2. Amazon S3
3. Amazon CloudFront
4. AWS Lambda
5. Amazon EC2

# Question 4

Which service can you use to provision a preconfigured server with little to no AWS experience?

1. Amazon Elastic Beanstalk
2. AWS Lambda
3. Amazon EC2
4. Amazon Lightsail

# Question 5

Which AWS service allows you to connect to storage from on-premise servers using standard file protocols?

1. Amazon S3
2. Amazon EBS
3. Amazon Glacier
4. Amazon EFS

# Question 6

Which pricing model should you use for EC2 instances that will be used in a lab environment for several hours on a weekend and must run uninterrupted?

1. On-Demand
2. Reserved
3. Spot
4. Dedicated Instance

# Question 7

What is an availability zone composed of?

1. One or more regions
2. One or more DCs in a location
3. A collection of edge locations
4. A collection of VPCs

# Question 8

Which AWS services are used for analytics? (choose 2)

1. Amazon RDS
2. Amazon ElastiCache
3. Amazon Athena
4. Amazon S3
5. Amazon EMR

# Question 9

What advantages does deploying Amazon CloudFront provide? (choose 2)

1. A private network link to the AWS cloud
2. Reduced latency
3. Automated deployment of resources
4. Improved performance for end users
5. Provides serverless compute services

# Question 10

What considerations are there when choosing which region to use? (choose 2)

1. Data sovereignty
2. Available storage capacity
3. Latency
4. Pricing in local currency
5. Available compute capacity

# Question 11

Which service can be used to track the CPU usage of an EC2 instance?

1. Amazon CloudTrail
2. Amazon CloudFront
3. Amazon CloudFormation
4. Amazon CloudWatch

# Question 12

Which feature of AWS allows you to deploy a new application for which the requirements may change over time?

1. Elasticity
2. Fault tolerance
3. Disposable resources
4. High availability

# Question 13

Which items can be configured from within the VPC management console? (choose 2)

1. Subnets
2. Regions
3. Load Balancing
4. Auto Scaling
5. Security Groups

# Question 14

Which services are integrated with KMS encryption? (choose 2)

1. Amazon RDS
2. Amazon EC2
3. Amazon EBS
4. Amazon SWF
5. AWS CloudFormation

# Question 15

Which service allows you to automatically expand and shrink your application in response to demand?

1. AWS ElastiCache
2. Amazon Elastic Load Balancing
3. AWS Auto Scaling
4. Amazon DynamoDB

# Question 16

The AWS global infrastructure is composed of? (choose 2)

1. Regions
2. Clusters
3. Fault Zones
4. Availability Zones
5. IP subnets

# Question 17

Which of the statements below is accurate regarding Amazon S3 buckets? (choose 2)

1. Bucket names must be unique regionally
2. Buckets are replicated globally
3. Bucket names must be unique globally
4. Buckets are region-specific
5. Buckets can contain other buckets

# Question 18

Which AWS storage technology can be considered a "virtual hard disk in the cloud"?

1. Amazon Elastic File Storage (EFS) filesystem
2. Amazon Elastic Block Storage (EBS) volume
3. Amazon S3 object
4. Amazon Glacier archive

# Question 19

Under the AWS shared responsibility model what is the customer responsible for? (choose 2)

1. Physical security of the data center
2. Replacement and disposal of disk drives
3. Configuration of security groups
4. Patch management of infrastructure
5. Encryption of customer data

# Question 20

Which service records API activity on your account and delivers log files to an Amazon S3 bucket?

1. Amazon CloudWatch
2. Amazon S3 Event Notifications
3. Amazon CloudTrail
4. Amazon CloudWatch Logs

# Question 21

The IAM service can be used to manage which objects? (choose 2)

1. Security groups
2. Access policies
3. Roles
4. Network ACLs
5. Key pairs

# Question 22

Which types of pricing policies does AWS offer? (choose 2)

1. Pay-as-you-go
2. Enterprise license agreement (ELA)
3. Non-peak hour discounts
4. Global usage discounts
5. Save when you reserve

# Question 23

Which tool enables you to visualize your usage patterns over time and to identify your underlying cost drivers?

1. AWS Simple Monthly Calculator
2. Total Cost of Ownership (TCO) Calculator
3. AWS Cost Explorer
4. AWS Budgets

# Question 24

What advantages do you get from using the AWS cloud? (choose 2)

1. Trade capital expense for variable expense
2. Stop guessing about capacity
3. Increased capital expenditure
4. Gain greater control of the infrastructure layer
5. Comply with all local security compliance programs

# Question 25

A company plans to create a hybrid cloud architecture. What technology will allow them to create a hybrid cloud?

1. VPC Peering
2. Internet Gateway
3. Direct Connect
4. Elastic Network Interface

# Question 26

Which service supports the resolution of public domain names to IP addresses or AWS resources?

1. Amazon Route 53
2. Amazon CloudFront
3. Amazon SNS
4. Hosted Zones

# Question 27

What can you use to quickly connect your office securely to your Amazon VPC?

1. Route Table
2. Internet Gateway
3. Direct Connect
4. AWS managed VPN

# Question 28

What is the scope of a VPC within a region?

1. Spans all Availability Zones within the region
2. Spans all Availability Zones globally
3. At least 2 subnets per region
4. At least 2 data centers per region

# Question 29

Which service can be used for building and integrating loosely-coupled, distributed applications?

1. Amazon EBS
2. Amazon SNS
3. Amazon EFS
4. Amazon RDS

# Question 30

Which type of Amazon Elastic Load Balancer operates at layer 7 of the OSI model?

1. Application Load Balancer
2. Network Load Balancer
3. Classic Load Balancer
4. F5 Load Balancer

# Question 31

Which services can help to automate a company's IT infrastructure? (choose 2)

1. Amazon CloudWatch Alarms
2. Amazon Route 53
3. AWS Lambda Scheduled Events
4. Virtual Private Cloud
5. Elastic Network Interface

# Question 32

Which database service is a NoSQL type of database that is fully managed?

1. Amazon RDS
2. Amazon DynamoDB
3. Amazon RedShift
4. Amazon ElastiCache

# Question 33

Which storage service allows you to connect multiple EC2 instances concurrently using file- level protocols?

1. Amazon S3
2. Amazon EBS
3. Amazon EFS
4. Amazon Glacier

# Question 34

For which services does Amazon not charge customers? (choose 2)

1. Amazon VPC
2. Amazon EBS
3. Amazon CloudFormation
4. Amazon S3
5. Amazon SNS

# Question 35

What architectural best practice aims to reduce the interdependencies between services?

1. Services, Not Servers
2. Removing Single Points of Failure
3. Automation
4. Loose Coupling

# Question 36

What is the most cost-effective support plan that should be selected to provide at least a 1- hour response time for a production system failure?

1. Basic
2. Developer
3. Business
4. Enterprise

# Question 37

Which AWS database service supports complex queries and joins and is suitable for a transactional database deployment?

1. Amazon RDS
2. Amazon DynamoDB
3. Amazon RedShift
4. Amazon EMR

# Question 38

Under the shared responsibility model, what are examples of shared controls? (choose 2)

1. Patch management
2. Storage system patching
3. Physical and environmental
4. Configuration management
5. Service and Communications Protection

# Question 39

How can an organization compare the cost of running applications in an on-premise or colocation environment against the AWS cloud?

1. AWS Budgets
2. AWS Simple Monthly Calculator
3. TCO Calculator
4. AWS Cost Explorer

# Question 40

What is the most cost-effective EC2 pricing option to use for a non-critical overnight workload?

1. On-Demand
2. Spot
3. Reserved Instance
4. Dedicated Host

# Question 41

Which service allows you to run code as functions without needing to provision or manage servers?

1. Amazon EC2
2. Amazon CodeDeploy
3. AWS Lambda
4. Amazon EKS

# Question 42

What benefits does Amazon EC2 provide over using non-cloud servers? (choose 2)

1. Complete control of the hypervisor layer
2. Elastic web-scale computing
3. Inexpensive
4. Fault tolerance
5. High-availability with an SLA of 99.99%

# Question 43

Which type of Elastic Load Balancer operates at the connection layer (layer 4) and supports IP addresses as targets?

1. Application Load Balancer
2. Network Load Balancer
3. Classic Load Balancer
4. ELBs do not support IP addresses as targets

# Question 44

Which of the following are features of Amazon CloudWatch? (choose 2)

1. Used to gain system-wide visibility into resource utilization
2. Records account activity and service events from most AWS services
3. Used for auditing of API calls
4. Can be accessed via API, command-line interface, AWS SDKs, and the AWS Management Console
5. Provides visibility into user activity by recording actions taken on your account

# Question 45

Amazon S3 bucket names must follow as set of rules. Which of the rules below apply to Amazon S3 bucket names? (choose 2)

1. Names must be unique across all of AWS
2. Names must be 3 to 63 characters in length
3. Names must contain uppercase letters
4. Names must be unique within a region
5. Names must be formatted as a DNS domain name

# Question 46

Which of the following statements are correct about Elastic Block Store (EBS) volumes? (choose 2)

1. Root EBS volumes are retained on termination by default
2. EBS volumes must be in the same AZ as the instances they are attached to
3. You can attach multiple EBS volumes to an instance
4. You can attach an EBS volume to multiple instances
5. EBS volumes cannot be backed up

# Question 47

Which statement below is incorrect in relation to Security Groups?

1. Operate at the instance level
2. Support allow rules only
3. Stateless
4. Evaluate all rules

# Question 48

What constraints apply to customers when performing penetration testing? (choose 2)

1. Permission is required for all penetration tests
2. You can perform penetration testing on your own systems at any time without prior authorization
3. You must complete and submit the AWS Vulnerability / Penetration Testing Request Form to request authorization
4. Penetration testing can be performed against any AWS resources
5. Penetration testing must be performed by a certified security consultant

# Question 49

Which statement below is incorrect in relation to Network ACLs?

1. Operate at the Availability Zone level
2. Support allow and deny rules
3. Stateless
4. Process rules in order

# Question 50

What benefits are provided by Amazon CloudFront? (choose 2)

1. Allows you to register domain names
2. Built-in Distributed Denial of Service (DDoS) attack protection
3. Used to enable private subnet instances to access the Internet
4. Content is cached at Edge Locations for fast distribution to customers
5. Provides a worldwide distributed DNS service

# Question 51

Which service can be used to help you to migrate databases to AWS quickly and securely?

1. AWS KMS
2. AWS SMS
3. AWS DMS
4. AWS Migration Hub

# Question 52

Which feature can you use to grant read/write access to an Amazon S3 bucket?

1. IAM Role
2. IAM Policy
3. IAM Group
4. IAM User

# Question 53

Which AWS support plan should you use if you need a response time of < 15 minutes for a business-critical system failure?

1. Basic
2. Developer
3. Business
4. Enterprise

# Question 54

Which AWS service is used to enable multi-factor authentication?

1. Amazon STS
2. AWS IAM
3. Amazon EC2
4. AWS KMS

# Question 55

Which AWS service can be used to convert video and audio files from their source format into versions that will playback on devices like smartphones, tablets and PC?

1. Elastic Transcoder
2. Elastic Beanstalk
3. Elastic Load Balancer
4. Auto Scaling

# Question 56

What method can you use to take a backup of an Amazon EC2 instance using AWS tools?

1. Take full and incremental file-level backups using the backup console
2. Take application-consistent backups using the EC2 API
3. Use Cross Region Replication (CRR) to copy the instance to another region
4. Take a snapshot to capture the point-in-time state of the instance

# Question 57

What are two ways that moving to an AWS cloud can benefit an organization? (choose 2)

1. Switch to a CAPEX model
2. Increase speed and agility
3. Stop guessing about capacity
4. Depreciate assets over a longer timeframe
5. Gain greater control of data center security

# Question 58

Which of the following statements is correct in relation to consolidated billing? (choose 2)

1. Paying accounts are independent and cannot access resources of other accounts
2. Used to consolidate billing across organizations
3. One bill is provided per AWS organization
4. Volume pricing discounts cannot be applied to resources
5. Only available to Enterprise customers

# Question 59

Which AWS service allows you to use block-based volumes on-premise that are then asynchronously backed up to Amazon S3?

1. AWS Storage Gateway File Gateway
2. AWS Storage Gateway Volume Gateway
3. Amazon S3 Multi-Part upload
4. Amazon S3 Transfer Acceleration

# Question 60

When instantiating compute resources, what are two techniques for using automated, repeatable processes that are fast and avoid human error? (choose 2)

1. Snapshotting
2. Bootstrapping
3. Fault tolerance
4. Infrastructure as code
5. Performance monitoring

# Question 61

A company would like to maximize their potential volume and RI discounts across multiple accounts and also apply service control policies on member accounts. What can they use gain these benefits?

1. AWS Budgets
2. AWS Cost Explorer
3. AWS IAM
4. AWS Organizations

# Question 62

Which AWS service can an organization use to automate operational tasks on EC2 instances using existing Chef cookbooks?

1. AWS OpsWorks
2. AWS Service Catalog
3. AWS Config
4. AWS CodeDeploy

# Question 63

Which AWS service can be used to process a large amount of data using the Hadoop framework?

1. Amazon Athena
2. Amazon Kinesis
3. AWS Glue
4. Amazon EMR

# Question 64

Which feature of Amazon Rekognition can assist with saving time?

1. Identification of objects in images and videos
2. Identification of the language of text in a document
3. Adds automatic speech recognitions (ASR) to applications
4. Provides on-demand access to compliance-related information

# Question 65

Which type of cloud deployment enables customers to leverage the benefits of the public cloud and co-existing with on-premises infrastructure?

1. Public Cloud
2. Private Cloud
3. Hybrid Cloud
4. Legacy IT Infrastructure