



# Exam<sup>4</sup> Training

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**Exam** : **CLF-C01**

**Title** : AWS Certified Cloud  
Practitioner (CLF-C01)

**Version** : V15.02

1.Which is the MINIMUM AWS Support plan that allows for one-hour target response time for support cases?

- A. Enterprise
- B. Business
- C. Developer
- D. Basic

**Answer: B**

2.Which AWS service provides alerts when an AWS event may impact a company's AWS resources?

- A. AWS Personal Health Dashboard
- B. AWS Service Health Dashboard
- C. AWS Trusted Advisor
- D. AWS Infrastructure Event Management

**Answer: A**

**Explanation:**

AWS Personal Health Dashboard provides alerts and remediation guidance when AWS is experiencing events that may impact you. While the Service Health Dashboard displays the general status of AWS services, Personal Health Dashboard gives you a personalized view into the performance and availability of the AWS services underlying your AWS resources.

3.Which of the following services will automatically scale with an expected increase in web traffic?

- A. AWS CodePipeline
- B. Elastic Load Balancing
- C. Amazon EBS
- D. AWS Direct Connect

**Answer: B**

**Explanation:**

Reference: <https://aws.amazon.com/elasticloadbalancing/>

Automatically scale your applications Elastic Load Balancing provides confidence that your applications will scale to the demands of your customers. With the ability to trigger Auto Scaling for your Amazon EC2 instance fleet when latency of any one of your EC2 instances exceeds a preconfigured threshold, your applications will always be ready to serve the next customer request

<https://aws.amazon.com/ebs/>

4.A customer is using multiple AWS accounts with separate billing.

How can the customer take advantage of volume discounts with minimal impact to the AWS resources?

- A. Create one global AWS account and move all AWS resources to that account.
- B. Sign up for three years of Reserved Instance pricing up front.
- C. Use the consolidated billing feature from AWS Organizations.
- D. Sign up for the AWS Enterprise support plan to get volume discounts.

**Answer: C**

5.The AWS Cloud's multiple Regions are an example of:

- A. agility.

- B. global infrastructure.
- C. elasticity.
- D. pay-as-you-go pricing.

**Answer: B**

**Explanation:**

<https://aws.amazon.com/blogs/apn/architecting-multi-region-saas-solutions-on-aws/>

6. When performing a cost analysis that supports physical isolation of a customer workload, which compute hosting model should be accounted for in the Total Cost of Ownership (TCO)?

- A. Dedicated Hosts
- B. Reserved Instances
- C. On-Demand Instances
- D. No Upfront Reserved Instances

**Answer: A**

**Explanation:**

Use Dedicated Hosts to launch Amazon EC2 instances on physical servers that are dedicated for your use. Dedicated Hosts give you additional visibility and control over how instances are placed on a physical server, and you can reliably use the same physical server over time. As a result, Dedicated Hosts enable you to use your existing server-bound software licenses like Windows Server and address corporate compliance and regulatory requirements.

7. Which of the following Identity and Access Management (IAM) entities is associated with an access key ID and secret access key when using AWS Command Line Interface (AWS CLI)?

- A. IAM group
- B. IAM user
- C. IAM role
- D. IAM policy

**Answer: B**

8. Which is a recommended pattern for designing a highly available architecture on AWS?

- A. Ensure that components have low-latency network connectivity.
- B. Run enough Amazon EC2 instances to operate at peak load.
- C. Ensure that the application is designed to accommodate failure of any single component.
- D. Use a monolithic application that handles all operations.

**Answer: C**

9. Which of the following AWS features enables a user to launch a pre-configured Amazon Elastic Compute Cloud (Amazon EC2) instance?

- A. Amazon Elastic Block Store (Amazon EBS)
- B. Amazon Machine Image
- C. Amazon EC2 Systems Manager
- D. Amazon AppStream 2.0

**Answer: B**

**Explanation:**

To use Amazon EC2, you simply:

10. Under the shared responsibility model, which of the following is a shared control between a customer and AWS?

- A. Physical controls
- B. Patch management
- C. Zone security
- D. Data center auditing

**Answer: B**

11. The use of what AWS feature or service allows companies to track and categorize spending on a detailed level?

- A. Cost allocation tags
- B. Consolidated billing
- C. AWS Budgets
- D. AWS Marketplace

**Answer: A**

**Explanation:**

[https://docs.aws.amazon.com/it\\_it/marketplace/latest/buyerguide/cost-allocation-tagging-ami-marketplace.html](https://docs.aws.amazon.com/it_it/marketplace/latest/buyerguide/cost-allocation-tagging-ami-marketplace.html)

12. A company is considering using AWS for a self-hosted database that requires a nightly shutdown for maintenance and cost-saving purposes.

Which service should the company use?

- A. Amazon Redshift
- B. Amazon DynamoDB
- C. Amazon Elastic Compute Cloud (Amazon EC2) with Amazon EC2 instance store
- D. Amazon EC2 with Amazon Elastic Block Store (Amazon EBS)

**Answer: D**

13. Compared with costs in traditional and virtualized data centers, AWS has:

- A. greater variable costs and greater upfront costs.
- B. fixed usage costs and lower upfront costs.
- C. lower variable costs and greater upfront costs.
- D. lower variable costs and lower upfront costs.

**Answer: D**

14. Distributing workloads across multiple Availability Zones supports which cloud architecture design principle?

- A. Implement automation.
- B. Design for agility.
- C. Design for failure.
- D. Implement elasticity.

**Answer: C**

**Explanation:**

[https://www.slideshare.net/AmazonWebServices/best-practices-for-architecting-in-the-cloud-jeff-barr/10-Design\\_for\\_Failure\\_with\\_AWS](https://www.slideshare.net/AmazonWebServices/best-practices-for-architecting-in-the-cloud-jeff-barr/10-Design_for_Failure_with_AWS) "Multi-AZ Application Deployment and Data replication"

15.Which AWS services are defined as global instead of regional? (Select TWO.)

- A. Amazon Route 53
- B. Amazon EC2
- C. Amazon S3
- D. Amazon CloudFront
- E. Amazon DynamoDB

**Answer:** A,D

16.Which service provides a virtually unlimited amount of online highly durable object storage?

- A. Amazon Redshift
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon Elastic Container Service (Amazon ECS)
- D. Amazon S3

**Answer:** D

17.Which of the following services could be used to deploy an application to servers running on-premises? (Select TWO.)

- A. AWS Elastic Beanstalk
- B. AWS OpsWorks
- C. AWS CodeDeploy
- D. AWS Batch
- E. AWS X-Ray

**Answer:** B,C

18.Which service stores objects, provides real-time access to those objects, and offers versioning and lifecycle capabilities?

- A. Amazon Glacier
- B. AWS Storage Gateway
- C. Amazon S3
- D. Amazon EBS

**Answer:** C

19.Under the shared responsibility model, which of the following is the customer responsible for?

- A. Ensuring that disk drives are wiped after use.
- B. Ensuring that firmware is updated on hardware devices.
- C. Ensuring that data is encrypted at rest.
- D. Ensuring that network cables are category six or higher.

**Answer:** C

**Explanation:**

AWS for a self-hosted database that requires a nightly shutdown for maintenance and cost-saving

purposes

20. Which AWS service provides the ability to manage infrastructure as code?

- A. AWS CodePipeline
- B. AWS CodeDeploy
- C. AWS Direct Connect
- D. AWS CloudFormation

**Answer:** D

**Explanation:**

AWS CloudFormation provides a common language for you to describe and provision all the infrastructure resources in your cloud environment. CloudFormation allows you to use a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts. This file serves as the single source of truth for your cloud environment.

<https://containersonaws.com/introduction/infrastructure-as-code/>

21. Which service should a customer use to consolidate and centrally manage multiple AWS accounts?

- A. AWS IAM
- B. AWS Organizations
- C. AWS Schema Conversion Tool
- D. AWS Config

**Answer:** B

22. What is an example of agility in the AWS Cloud?

- A. Access to multiple instance types
- B. Access to managed services
- C. Using Consolidated Billing to produce one bill
- D. Decreased acquisition time for new compute resources

**Answer:** D

23. Under the AWS shared responsibility model, which of the following activities are the customer's responsibility? (Select TWO.)

- A. Patching operating system components for Amazon Relational Database Server (Amazon RDS)
- B. Encrypting data on the client-side
- C. Training the data center staff
- D. Configuring Network Access Control Lists (ACL)
- E. Maintaining environmental controls within a data center

**Answer:** B,D

24. Which of the following are valid ways for a customer to interact with AWS services? (Select TWO.)

- A. Command line interface
- B. On-premises
- C. Software Development Kits
- D. Software-as-a-service
- E. Hybrid

**Answer:** A,C

25.Which Amazon EC2 instance pricing model can provide discounts of up to 90%?

- A. Reserved Instances
- B. On-Demand
- C. Dedicated Hosts
- D. Spot Instances

**Answer:** D

26.Which of the following are categories of AWS Trusted Advisor? (Select TWO.)

- A. Fault Tolerance
- B. Instance Usage
- C. Infrastructure
- D. Performance
- E. Storage Capacity

**Answer:** A,D

**Explanation:**

Like your customized cloud expert, AWS Trusted Advisor analyzes your AWS environment and provides best practice recommendations in five categories: cost optimization, performance, security, fault tolerance and service limits.

27.Which AWS service allows companies to connect an Amazon VPC to an on-premises data center?

- A. AWS VPN
- B. Amazon Redshift
- C. API Gateway
- D. Amazon Direct Connect

**Answer:** A

28.Which AWS service would you use to obtain compliance reports and certificates?

- A. AWS Artifact
- B. AWS Lambda
- C. Amazon Inspector
- D. AWS Certificate Manager

**Answer:** A

**Explanation:**

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

29.Which of the following are advantages of AWS consolidated billing? (Select TWO.)

- A. The ability to receive one bill for multiple accounts
- B. Service limits increasing by default in all accounts
- C. A fixed discount on the monthly bill
- D. Potential volume discounts, as usage in all accounts is combined
- E. The automatic extension of the master account's AWS support plan to all accounts

**Answer:** A,D

**Explanation:**

<https://aws.amazon.com/premiumsupport/knowledge-center/support-consolidated-billing/>

30. According to best practices, how should an application be designed to run in the AWS Cloud?

- A. Use tightly coupled components.
- B. Use loosely coupled components.
- C. Use infrequently coupled components.
- D. Use frequently coupled components.

**Answer:** B

31. Which of the following AWS Cloud services can be used to run a customer-managed relational database?

- A. Amazon EC2
- B. Amazon Route 53
- C. Amazon ElastiCache
- D. Amazon DynamoDB

**Answer:** A

32. What is the lowest-cost, durable storage option for retaining database backups for immediate retrieval?

- A. Amazon S3
- B. Amazon Glacier
- C. Amazon EBS
- D. Amazon EC2 Instance Store

**Answer:** A

33. Which of the following are features of Amazon CloudWatch Logs? (Select TWO.)

- A. Summaries by Amazon Simple Notification Service (Amazon SNS)
- B. Free Amazon Elasticsearch Service analytics
- C. Provided at no charge
- D. Real-time monitoring
- E. Adjustable retention

**Answer:** D,E

**Explanation:**

<https://aws.amazon.com/cloudwatch/faqs/>

34. Which AWS service provides a customized view of the health of specific AWS services that power a customer's workloads running on AWS?

- A. AWS Service Health Dashboard

- B. AWS X-Ray
- C. AWS Personal Health Dashboard
- D. Amazon CloudWatch

**Answer:** C

35. A customer would like to design and build a new workload on AWS Cloud but does not have the AWS-related software technical expertise in-house.

Which of the following AWS programs can a customer take advantage of to achieve that outcome?

- A. AWS Partner Network Technology Partners
- B. AWS Marketplace
- C. AWS Partner Network Consulting Partners
- D. AWS Service Catalog

**Answer:** C

36. Which AWS service should be used for long-term, low-cost storage of data backups?

- A. Amazon RDS
- B. Amazon Glacier
- C. AWS Snowball
- D. AWS EBS

**Answer:** B

**Explanation:**

Amazon S3 Glacier is a secure, durable, and low-cost storage class of S3 for data archiving and long-term backup. Customers can store large or small amounts of data for as little as \$0.004 per gigabyte per month. The S3 Glacier storage class is ideal for archives where data is regularly retrieved and some of the data may be needed in minutes.

Amazon RDS is a relational database service that hosts databases. It helps you create and manage databases. Amazon Snowball is a petabyte-scale data transfer service that provides cost efficient data transfer to AWS from tamper proof physical devices. Similarly, Elastic block storage offers persistent block storage volumes for EC2 instances.

37. Which statement best describes Elastic Load Balancing?

- A. It translates a domain name into an IP address using DNS.
- B. It distributes incoming application traffic across one or more Amazon EC2 instances.
- C. It collects metrics on connected Amazon EC2 instances.
- D. It automatically adjusts the number of Amazon EC2 instances to support incoming traffic.

**Answer:** B

38. The financial benefits of using AWS are: (Select TWO.)

- A. reduced Total Cost of Ownership (TCO).
- B. increased capital expenditure (capex).
- C. reduced operational expenditure (opex).
- D. deferred payment plans for startups.
- E. business credit lines for startups.

**Answer:** A,D

39. Under the shared responsibility model, which of the following tasks are the responsibility of the AWS customer? (Select TWO.)

- A. Ensuring that application data is encrypted at rest
- B. Ensuring that AWS NTP servers are set to the correct time
- C. Ensuring that users have received security training in the use of AWS services
- D. Ensuring that access to data centers is restricted
- E. Ensuring that hardware is disposed of properly

**Answer:** A,C

40. Which service enables risk auditing by continuously monitoring and logging account activity, including user actions in the AWS Management Console and AWS SDKs?

- A. Amazon CloudWatch
- B. AWS CloudTrail
- C. AWS Config
- D. AWS Health

**Answer:** B

41. What approach to transcoding a large number of individual video files adheres to AWS architecture principles?

- A. Using many instances in parallel
- B. Using a single large instance during off-peak hours
- C. Using dedicated hardware
- D. Using a large GPU instance type

**Answer:** A

42. A company is migrating an application that is running non-interruptible workloads for a three-year time frame.

Which pricing construct would provide the MOST cost-effective solution?

- A. Amazon EC2 Spot Instances
- B. Amazon EC2 Dedicated Instances
- C. Amazon EC2 On-Demand Instances
- D. Amazon EC2 Reserved Instances

**Answer:** D

43. Which service allows a company with multiple AWS accounts to combine its usage to obtain volume discounts?

- A. AWS Server Migration Service
- B. AWS Organizations
- C. AWS Budgets
- D. AWS Trusted Advisor

**Answer:** B

**Explanation:**

use the consolidated billing feature in AWS Organizations to consolidate billing and

payment for multiple AWS accounts or multiple Amazon Internet Services Pvt. Ltd (AISPL) accounts. Every organization in AWS Organizations has a master account that pays the charges of all the member accounts.

Consolidated billing has the following benefits:

44.Which storage service can be used as a low-cost option for hosting static websites?

- A. Amazon Glacier
- B. Amazon DynamoDB
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon Simple Storage Service (Amazon S3)

**Answer:** D

45.AWS supports which of the following methods to add security to Identity and Access Management (IAM) users? (Select TWO.)

- A. Implementing Amazon Rekognition
- B. Using AWS Shield-protected resources
- C. Blocking access with Security Groups
- D. Using Multi-Factor Authentication (MFA)
- E. Enforcing password strength and expiration

**Answer:** D,E

46.A customer is deploying a new application and needs to choose an AWS Region. Which of the following factors could influence the customer's decision? (Select TWO.)

- A. Reduced latency to users
- B. The application's presentation in the local language
- C. Data sovereignty compliance
- D. Cooling costs in hotter climates
- E. Proximity to the customer's office for on-site visits

**Answer:** A,C

47.Which of the following Amazon EC2 pricing models allow customers to use existing server-bound software licenses?

- A. Spot Instances
- B. Reserved Instances
- C. Dedicated Hosts
- D. On-Demand Instances

**Answer:** C

48.When architecting cloud applications, which of the following are a key design principle?

- A. Use the largest instance possible
- B. Provision capacity for peak load
- C. Use the Scrum development process
- D. Implement elasticity

**Answer:** D

**Explanation:**

[https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)

49. What is Amazon CloudWatch?

- A. A code repository with customizable build and team commit features.
- B. A metrics repository with customizable notification thresholds and channels.
- C. A security configuration repository with threat analytics.
- D. A rule repository of a web application firewall with automated vulnerability prevention features.

**Answer:** B

**Explanation:**

Amazon CloudWatch is basically a metrics repository. An AWS service — such as Amazon EC2 — puts metrics into the repository, and you retrieve statistics based on those metrics. If you put your own custom metrics into the repository, you can retrieve statistics on these metrics as well.

50. Which of the following security-related actions are available at no cost?

- A. Calling AWS Support
- B. Contacting AWS Professional Services to request a workshop
- C. Accessing forums, blogs, and whitepapers
- D. Attending AWS classes at a local university

**Answer:** C

51. Which design principles for cloud architecture are recommended when re-architecting a large monolithic application? (Select TWO.)

- A. Use manual monitoring.
- B. Use fixed servers.
- C. Implement loose coupling.
- D. Rely on individual components.
- E. Design for scalability.

**Answer:** C,E

**Explanation:**

<https://www.architech.ca/re-architect-applications/>

52. Which of the following components of the AWS Global Infrastructure consists of one or more discrete data centers interconnected through low latency links?

- A. Availability Zone
- B. Edge location
- C. Region
- D. Private networking

**Answer:** A

53. Which task is AWS responsible for in the shared responsibility model for security and compliance?

- A. Granting access to individuals and services
- B. Encrypting data in transit
- C. Updating Amazon EC2 host firmware

D. Updating operating systems

**Answer:** C

54. A customer needs to run a MySQL database that easily scales.

Which AWS service should they use?

- A. Amazon Aurora
- B. Amazon Redshift
- C. Amazon DynamoDB
- D. Amazon ElastiCache

**Answer:** A

55. Which AWS tools assist with estimating costs? (Select three.)

- A. Detailed billing report
- B. Cost allocation tags
- C. AWS Simple Monthly Calculator
- D. AWS Total Cost of Ownership (TCO) Calculator
- E. Cost Estimator

**Answer:** B,C,D

**Explanation:**

<https://aws.amazon.com/premiumsupport/knowledge-center/estimating-aws-resource-costs/>

56. Which of the following AWS services can be used to serve large amounts of online video content with the lowest possible latency? (Select TWO.)

- A. appGateway
- B. Amazon S3
- C. Amazon Elastic File System (EFS)
- D. Amazon Glacier
- E. Amazon CloudFront

**Answer:** B,E

**Explanation:**

<https://aws.amazon.com/pt/blogs/networking-and-content-delivery/amazon-s3-amazon-cloudfront-a-match-made-in-the-cloud/>

57. Which of the following is a shared control between the customer and AWS?

- A. Providing a key for Amazon S3 client-side encryption
- B. Configuration of an Amazon EC2 instance
- C. Environmental controls of physical AWS data centers
- D. Awareness and training

**Answer:** D

58. Which feature of the AWS Cloud will support an international company's requirement for low latency to all of its customers?

- A. Fault tolerance
- B. Global reach

- C. Pay-as-you-go pricing
- D. High availability

**Answer: B**

**Explanation:**

<https://aws.amazon.com/blogs/startups/expanding-kloudless-global-reach-by-bridging-regions/>

59.What is one of the advantages of the Amazon Relational Database Service (Amazon RDS)?

- A. It simplifies relational database administration tasks.
- B. It provides 99.9999999999% reliability and durability.
- C. It automatically scales databases for loads.
- D. It enabled users to dynamically adjust CPU and RAM resources.

**Answer: A**

**Explanation:**

<https://aws.amazon.com/rds/>

60.Which of the following is a correct relationship between regions, Availability Zones, and edge locations?

- A. Data centers contain regions.
- B. Regions contain Availability Zones.
- C. Availability Zones contain edge locations.
- D. Edge locations contain regions.

**Answer: B**

61.Which AWS feature will reduce the customer's total cost of ownership (TCO)?

- A. Shared responsibility security model
- B. Single tenancy
- C. Elastic computing
- D. Encryption

**Answer: A**

**Explanation:**

<https://aws.amazon.com/compliance/shared-responsibility-model/>

62.For which auditing process does AWS have sole responsibility?

- A. AWS IAM policies
- B. Physical security
- C. Amazon S3 bucket policies
- D. AWS CloudTrail Logs

**Answer: B**

63.Which of the following is an AWS managed Domain Name System (DNS) web service?

- A. Amazon Route 53
- B. Amazon Neptune
- C. Amazon SageMaker
- D. Amazon Lightsail

**Answer: A**

64. Which of the following security-related services does AWS offer? (Select TWO.)

- A. Multi-factor authentication physical tokens
- B. AWS Trusted Advisor security checks
- C. Data encryption
- D. Automated penetration testing
- E. Amazon S3 copyrighted content detection

**Answer:** B,C

65. Where should a company go to search software listings from independent software vendors to find, test, buy and deploy software that runs on AWS?

- A. AWS Marketplace
- B. Amazon Lumberyard
- C. AWS Artifact
- D. Amazon CloudSearch

**Answer:** A

**Explanation:**

AWS Marketplace is a digital catalog with thousands of software listings from independent software vendors that make it easy to find, test, buy, and deploy software that runs on AWS.

66. A characteristic of edge locations is that they:

- A. host Amazon EC2 instances closer to users.
- B. help lower latency and improve performance for users.
- C. cache frequently changing data without reaching the origin server.
- D. refresh data changes daily.

**Answer:** C

**Explanation:**

<https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Introduction.html>

67. One of the advantages to moving infrastructure from an on-premises data center to the AWS Cloud is:

- A. it allows the business to eliminate IT bills.
- B. it allows the business to put a server in each customer's data center.
- C. it allows the business to focus on business activities.
- D. it allows the business to leave servers unpatched.

**Answer:** C

68. Which of the following inspects AWS environments to find opportunities that can save money for users and also improve system performance?

- A. AWS Cost Explorer
- B. AWS Trusted Advisor
- C. Consolidated billing
- D. Detailed billing

**Answer:** B

69.Which of the following are characteristics of Amazon S3? (Select TWO.)

- A. A global file system
- B. An object store
- C. A local file store
- D. A network file system
- E. A durable storage system

**Answer:** B,E

**Explanation:**

Build scalable, durable, and secure backup and restore solutions with Amazon S3 and other AWS services, such as S3 Glacier, Amazon EFS, and Amazon EBS, to augment or replace existing on-premises capabilities. <https://aws.amazon.com/s3/>

70.Which AWS services can host a Microsoft SQL Server database? (Select TWO.)

- A. Amazon EC2
- B. Amazon Relational Database Service (Amazon RDS)
- C. Amazon Aurora
- D. Amazon Redshift
- E. Amazon S3

**Answer:** A,B

71.A company is looking for a scalable data warehouse solution.

Which of the following AWS solutions would meet the company's needs?

- A. Amazon Simple Storage Service (Amazon S3)
- B. Amazon DynamoDB
- C. Amazon Kinesis
- D. Amazon Redshift

**Answer:** D

72.Which AWS services should be used for read/write of constantly changing data? (Select TWO.)

- A. Amazon Glacier
- B. Amazon RDS
- C. AWS Snowball
- D. Amazon Redshift
- E. Amazon EFS

**Answer:** B,E

**Explanation:**

[https://aws.amazon.com/efs/?nc2=type\\_a](https://aws.amazon.com/efs/?nc2=type_a)

73.If a customer needs to audit the change management of AWS resources, which of the following AWS services should the customer use?

- A. AWS Config
- B. AWS Trusted Advisor
- C. Amazon CloudWatch

D. Amazon Inspector

**Answer: A**

**Explanation:**

AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources. Config continuously monitors and records your AWS resource configurations and allows you to automate the evaluation of recorded configurations against desired configurations. With Config, you can review changes in configurations and relationships between AWS resources, dive into detailed resource configuration histories, and determine your overall compliance against the configurations specified in your internal guidelines. This enables you to simplify compliance auditing, security analysis, change management, and operational troubleshooting.

74.What is the benefit of using AWS managed services, such as Amazon ElastiCache and Amazon Relational Database Service (Amazon RDS)?

- A. They require the customer to monitor and replace failing instances.
- B. They have better performance than customer-managed services.
- C. They simplify patching and updating underlying OSs.
- D. They do not require the customer to optimize instance type or size selections.

**Answer: C**

75.Which of the following Reserved Instance (RI) pricing models provides the highest average savings compared to On-Demand pricing?

- A. One-year, No Upfront, Standard RI pricing
- B. One-year, All Upfront, Convertible RI pricing
- C. Three-year, All Upfront, Standard RI pricing
- D. Three-year, No Upfront, Convertible RI pricing

**Answer: C**

76.Which AWS managed service is used to host databases?

- A. AWS Batch
- B. AWS Artifact
- C. AWS Data Pipeline
- D. Amazon RDS

**Answer: D**

**Explanation:**

Explanation

Amazon Relational Database Service (Amazon RDS) makes it easy to set up, operate, and scale a relational database in the cloud. It provides cost-efficient and resizable capacity while automating time-consuming administration tasks such as hardware provisioning, database setup, patching and backups. It frees you to focus on your applications so you can give them the fast performance, high availability, security and compatibility they need.

77.Which of the following is a benefit of using the AWS Cloud?

- A. Permissive security removes the administrative burden.
- B. Ability to focus on revenue-generating activities.

- C. Control over cloud network hardware.
- D. Choice of specific cloud hardware vendors.

**Answer: B**

**Explanation:**

Developer and IT staff productivity accounted for nearly 30% of overall financial benefits. The remaining benefits were driven by the flexibility and agility of Amazon cloud infrastructure services, which make it easier to trial new business models, support revenue-generating applications, and provide more reliable services to end users.

78.What costs are included when comparing AWS Total Cost of Ownership (TCO) with on-premises TCO?

- A. Project management
- B. Antivirus software licensing
- C. Data center security
- D. Software development

**Answer: A**

**Explanation:**

[https://media.amazonwebservices.com/AWS\\_TCO\\_Web\\_Applications.pdf](https://media.amazonwebservices.com/AWS_TCO_Web_Applications.pdf)

79.Which of the following is the customer's responsibility under the AWS shared responsibility model?

- A. Patching underlying infrastructure
- B. Physical security
- C. Patching Amazon EC2 instances
- D. Patching network infrastructure

**Answer: C**

80.Which of the following steps should be taken by a customer when conducting penetration testing on AWS?

- A. Conduct penetration testing using Amazon Inspector, and then notify AWS support.
- B. Request and wait for approval from the customer's internal security team, and then conduct testing.
- C. Notify AWS support, and then conduct testing immediately.
- D. Request and wait for approval from AWS support, and then conduct testing.

**Answer: B**

**Explanation:**

AWS customers are welcome to carry out security assessments or penetration tests against their AWS infrastructure without prior approval for 8 services.

81.Which AWS characteristics make AWS cost effective for a workload with dynamic user demand?

(Select TWO.)

- A. High availability
- B. Shared security model
- C. Elasticity
- D. Pay-as-you-go pricing
- E. Reliability

**Answer:** C,D

82.A company wants to reduce the physical compute footprint that developers use to run code. Which service would meet that need by enabling serverless architectures?

- A. Amazon Elastic Compute Cloud (Amazon EC2)
- B. AWS Lambda
- C. Amazon DynamoDB
- D. AWS CodeCommit

**Answer:** B

**Explanation:**

AWS Lambda is an integral part of coding on AWS. It reduces physical compute footprint by utilizing aws cloud services to run code.

83.Where are AWS compliance documents, such as an SOC 1 report, located?

- A. Amazon Inspector
- B. AWS CloudTrail
- C. AWS Artifact
- D. AWS Certificate Manager

**Answer:** C

84.Web servers running on Amazon EC2 access a legacy application running in a corporate data center. What term would describe this model?

- A. Cloud-native
- B. Partner network
- C. Hybrid architecture
- D. Infrastructure as a service

**Answer:** C

85.Which services can be used across hybrid AWS Cloud architectures? (Select TWO.)

- A. Amazon Route 53
- B. Virtual Private Gateway
- C. Classic Load Balancer
- D. Auto Scaling
- E. Amazon CloudWatch default metrics

**Answer:** A,B

**Explanation:**

<https://aws.amazon.com/blogs/networking-and-content-delivery/centralized-dns-management-of-hybrid-cloud-with-amazon-route-53-and-aws-transit-gateway/>

AWS released Amazon Route 53 Resolver for hybrid cloud in November 2018. This makes migration to cloud and hybrid architectures easier by solving many DNS challenges.

86.Which AWS service can be used to manually launch instances based on resource requirements?

- A. Amazon EBS
- B. Amazon S3

- C. Amazon EC2
- D. Amazon ECS

**Answer: C**

87. Which of the following can limit Amazon Storage Service (Amazon S3) bucket access to specific users?

- A. A public and private key-pair
- B. Amazon Inspector
- C. AWS Identity and Access Management (IAM) policies
- D. Security Groups

**Answer: C**

88. Where can AWS compliance and certification reports be downloaded?

- A. AWS Artifact
- B. AWS Concierge
- C. AWS Certificate Manager
- D. AWS Trusted Advisor

**Answer: A**

**Explanation:**

WS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS's security and compliance reports and select online agreements. The AWS SOC 2 report is particularly helpful for completing questionnaires because it provides a comprehensive description of the implementation and operating effectiveness of AWS security controls. Another useful document is the Executive Briefing within the AWS FedRAMP Partner Package.

89. Which AWS Cost Management tool allows you to view the most granular data about your AWS bill?

- A. AWS Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage report
- D. AWS Billing dashboard

**Answer: C**

**Explanation:**

The AWS Billing Console gives you access to the most comprehensive information about your AWS costs and usage. To see how your costs are tracking month-to-date, and which AWS services are the main cost drivers, check out the AWS Billing Dashboard. To access to the most comprehensive information about your AWS costs and usage, you can download the AWS Cost & Usage Report. To view your bill for any previous month, you can access the Bills page. <https://aws.amazon.com/aws-cost-management/details/>

90. What technology enables compute capacity to adjust as loads change?

- A. Load balancing
- B. Automatic failover
- C. Round robin
- D. Auto Scaling

**Answer: D**

**Explanation:**

AWS Auto Scaling monitors your applications and automatically adjusts capacity to maintain steady, predictable performance at the lowest possible cost. Using AWS Auto Scaling, it's easy to setup application scaling for multiple resources across multiple services in minutes. The service provides a simple, powerful user interface that lets you build scaling plans for resources including Amazon EC2 instances and Spot Fleets, Amazon ECS tasks, Amazon DynamoDB tables and indexes, and Amazon Aurora Replicas. AWS Auto Scaling makes scaling simple with recommendations that allow you to optimize performance, costs, or balance between them. If you're already using Amazon EC2 Auto Scaling to dynamically scale your Amazon EC2 instances, you can now combine it with AWS Auto Scaling to scale additional resources for other AWS services. With AWS Auto Scaling, your applications always have the right resources at the right time.

91.Which of the following is a fast and reliable NoSQL database service?

- A. Amazon Redshift
- B. Amazon RDS
- C. Amazon DynamoDB
- D. Amazon S3

**Answer: C**

92.Which AWS IAM feature allows developers to access AWS services through the AWS CLI?

- A. API keys
- B. Access keys
- C. User names/Passwords
- D. SSH keys

**Answer: B**

**Explanation:**

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_access-keys.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_access-keys.html)

Access keys are long-term credentials for an IAM user or the AWS account root user. You can use access keys to sign programmatic requests to the AWS CLI or AWS API (directly or using the AWS SDK)

93.Which of the following is an advantage of consolidated billing on AWS?

- A. Volume pricing qualification
- B. Shared access permissions
- C. Multiple bills per account
- D. Eliminates the need for tagging

**Answer: A**

**Explanation:**

If you have multiple standalone accounts, your charges might decrease if you add the accounts to an organization. AWS combines usage from all accounts in the organization to qualify you for volume pricing discounts.

94.Which AWS service provides a simple and scalable shared file storage solution for use with Linux-based AWS and on-premises servers?

- A. Amazon S3

- B. Amazon Glacier
- C. Amazon EBS
- D. Amazon EFS

**Answer: D**

**Explanation:**

Amazon Elastic File System (Amazon EFS) provides a simple, scalable, fully managed elastic NFS file system for use with AWS Cloud services and on-premises resources. It is built to scale on demand to petabytes without disrupting applications, growing and shrinking automatically as you add and remove files, eliminating the need to provision and manage capacity to accommodate growth.

Amazon EFS is designed to provide the throughput, IOPS, and low latency needed for Linux workloads. Throughput and IOPS scale as a file system grows and can burst to higher throughput levels for short periods of time to support the unpredictable performance needs of file workloads. For the most demanding workloads, Amazon EFS can support performance over 10 GB/sec and up to 500,000 IOPS.

95.Which of the Reserved Instance (RI) pricing models can change the attributes of the RI as long as the exchange results in the creation of RIs of equal or greater value?

- A. Dedicated RIs
- B. Scheduled RIs
- C. Convertible RIs
- D. Standard RIs

**Answer: C**

96.What AWS team assists customers with accelerating cloud adoption through paid engagements in any of several specialty practice areas?

- A. AWS Enterprise Support
- B. AWS Solutions Architects
- C. AWS Professional Services
- D. AWS Account Managers

**Answer: C**

**Explanation:**

<https://aws.amazon.com/professional-services/>

97.What is the AWS customer responsible for according to the AWS shared responsibility model?

- A. Physical access controls
- B. Data encryption
- C. Secure disposal of storage devices
- D. Environmental risk management

**Answer: B**

98.How many Availability Zones should compute resources be provisioned across to achieve high availability?

- A. A minimum of one
- B. A minimum of two
- C. A minimum of three

D. A minimum of four or more

**Answer: B**

99.How would an AWS customer easily apply common access controls to a large set of users?

- A. Apply an IAM policy to an IAM group.
- B. Apply an IAM policy to an IAM role.
- C. Apply the same IAM policy to all IAM users with access to the same workload.
- D. Apply an IAM policy to an Amazon Cognito user pool.

**Answer: A**

**Explanation:**

Instead of defining permissions for individual IAM users, it's usually more convenient to create groups that relate to job functions (administrators, developers, accounting, etc.). Next, define the relevant permissions for each group. Finally, assign IAM users to those groups. All the users in an IAM group inherit the permissions assigned to the group. That way, you can make changes for everyone in a group in just one place. As people move around in your company, you can simply change what IAM group their IAM user belongs to.

100.Which Amazon EC2 pricing model adjusts based on supply and demand of EC2 instances?

- A. On-Demand Instances
- B. Reserved Instances
- C. Spot Instances
- D. Convertible Reserved Instances

**Answer: C**

**Explanation:**

In the new model, the Spot prices are more predictable, updated less frequently, and are determined by supply and demand for Amazon EC2 spare capacity, not bid prices.

101.A company's web application currently has light dependencies on underlying components so when one component fails the entire web application fails.

Applying which AWS Cloud design principle will address the current design issue?

- A. Implementing elasticity enabling the application to scale up or scale down as demand changes
- B. Enabling several EC2 instances to run in parallel to achieve better performance
- C. Focusing on decoupling components by isolating them and ensuring individual components can function when other components
- D. Doubling EC2 computing resources to increase system fault tolerance

**Answer: C**

102.In which scenario should Amazon EC2 Spot Instances be used?

- A. A company wants to move its main website to AWS from an on-premises web server.
- B. A company has a number of application services whose Service Level Agreement (SLA) requires 99.999% uptime.
- C. A company's heavily used legacy database is currently running on-premises.
- D. A company has a number of infrequent, interruptible jobs that are currently using On-Demand Instances.

**Answer: D**

103. A user is planning to launch two additional Amazon EC2 instances to increase availability. Which action should the user take?

- A. Launch the instances across multiple Availability Zones in a single AWS Region
- B. Launch the instances as EC2 Reserved Instances in the same AWS Region and the same Availability Zone
- C. Launch the instances in multiple AWS Regions but in the same Availability Zone
- D. Launch the instances as EC2 Spot Instances in the same AWS Region but in different Availability Zones

**Answer: A**

104. Under the shared responsibility model which of the following areas are the customer's responsibility? (Select TWO)

- A. Firmware upgrades of network infrastructure
- B. Patching of operating systems
- C. Patching of the underlying hypervisor
- D. Physical security of data centers
- E. Configuration of the security group

**Answer: B,C**

105. Which AWS service is used to track record, and audit configuration changes made to AWS resources?

- A. AWS Shield
- B. AWS Config
- C. AWS IAM
- D. Amazon Inspector

**Answer: B**

106. What can assist in evaluating an application for migration to the cloud? (Select TWO)

- A. AWS Trusted Advisor
- B. AWS Professional Services
- C. AWS Systems Manager
- D. AWS Partner Network (APN)
- E. AWS Secrets Manager

**Answer: B,D**

107. Which activity is a customer responsibility in the AWS Cloud according to the AWS shared responsibility model?

- A. Ensuring network connectivity from AWS to the internet
- B. Patching and fixing flaws within the AWS Cloud infrastructure
- C. Ensuring the physical security of cloud data centers
- D. Ensuring Amazon EBS volumes are backed up

**Answer: D**

108.Which AWS service identifies security groups that allow unrestricted access to a user's AWS resources?

- A. AWS Trusted Advisor
- B. Amazon Inspector
- C. Amazon CloudWatch
- D. AWS CloudTrail

**Answer:** A

109.Which AWS support plan includes a dedicated Technical Account Manager?

- A. Developer
- B. Enterprise
- C. Business
- D. Basic

**Answer:** B

**Explanation:**

The enterprise support plans supports technical account manager. Developer and business support plans are devoid of this facility.

110.What is a value proposition of the AWS Cloud?

- A. AWS is responsible for security in the AWS Cloud
- B. No long-term contract is required
- C. Provision new servers in days
- D. AWS manages user applications in the AWS Cloud

**Answer:** A

111.What are the advantages of the AWS Cloud (Select TWO)

- A. Fixed rate monthly cost
- B. No need to guess capacity requirements
- C. Increased speed to market
- D. Increased upfront capital expenditure
- E. Physical access to cloud data centers

**Answer:** B,D

112.Which of the following BEST describe the AWS pricing model? (Select TWO)

- A. Fixed-term
- B. Pay-as-you-go
- C. Colocation
- D. Planned
- E. Variable cost

**Answer:** B,E

113.Which AWS service can be used to automatically scale an application up and down without making capacity planning decisions?

- A. Amazon EBS
- B. Amazon Redshift
- C. AWS CloudTrail
- D. AWS Lambda

**Answer: D**

114. Which AWS service is used to pay AWS bills, and monitor usage and budget costs?

- A. AWS Billing and Cost Management
- B. Consolidated billing
- C. Amazon CloudWatch
- D. Amazon GuickStght

**Answer: B**

115. Which type of AWS storage is ephemeral and is deleted when an instance is stopped or terminated?

- A. Amazon EBS
- B. Amazon EC2 instance store
- C. Amazon EFS
- D. Amazon S3

**Answer: B**

116. If each department within a company has its own AWS account, what is one way to enable consolidated billing?

- A. Use AWS Budgets on each account to pay only to budget.
- B. Contact AWS Support for a monthly bill.
- C. Create an AWS Organization from the payer account and invite the other accounts to join.
- D. Put all invoices into one Amazon Simple Storage Service (Amazon S3) bucket, load data into Amazon Redshift, and then run a billing report.

**Answer: C**

117. Which AWS Cloud benefit eliminates the need for users to try estimating future infrastructure usage?

- A. Easy and fast deployment of applications in multiple Regions around the world
- B. Security of the AWS Cloud
- C. Elasticity of the AWS Cloud
- D. Lower variable costs due to massive economies of scale

**Answer: C**

118. Which of the following is a component of the AWS Global Infrastructure?

- A. Amazon Alexa
- B. AWS Regions
- C. Amazon Lightsail
- D. AWS Organizations

**Answer: B**

119. What credential components are required to gain programmatic access to an AWS account? (Select

TWO)

- A. An access key ID
- B. A primary key
- C. A secret access key
- D. A user ID
- E. A secondary key

**Answer:** A,C

120.What are the benefits of developing and running a new application in the AWS Cloud compared to on-premises? (Select TWO)

- A. AWS automatically distributes the data globally for higher durability
- B. AWS will take care of operating the application
- C. AWS makes it easy to architect for high availability
- D. AWS can easily accommodate application demand changes
- E. AWS takes care of application security patching

**Answer:** C,D

121.Which of the following services is in the category of AWS serverless platform?

- A. Amazon EMR
- B. Elastic Load Balancing
- C. AWS Lambda
- D. AWS Mobile Hub

**Answer:** C

**Explanation:**

AWS provides a set of fully managed services that you can use to build and run serverless applications. Serverless applications don't require provisioning, maintaining, and administering servers for backend components such as compute, databases, storage, stream processing, message queueing, and more. You also no longer need to worry about ensuring application fault tolerance and availability. Instead, AWS handles all of these capabilities for you. Serverless platform includes: AWS lambda, Amazon S3, DynamoDB, API gateway, Amazon SNS, AWS step functions, Amazon kinesis and developing tools and services.

122.Which of the following is an AWS-managed compute service?

- A. Amazon SWF
- B. Amazon EC2
- C. AWS Lambda
- D. Amazon Aurora

**Answer:** B

123.When should a company consider using Amazon EC2 Spot Instances? (Select TWO)

- A. For non-production applications
- B. For stateful workloads
- C. For applications that cannot have interruptions
- D. For fault-tolerant flexible applications

E. For sensitive database applications

**Answer:** A,D

124. A company wants to migrate its applications to a VPC on AWS. These applications will need to access on-premises resources.

What combination of actions will enable the company to accomplish this goal? (Select TWO)

- A. Use the AWS Service Catalog to identify a list of on-premises resources that can be migrated
- B. Build a VPN connection between an on-premises device and a virtual private gateway in the new VPC
- C. Use Amazon Athena to query data from the on-premises database servers
- D. Connect the company's on-premises data center to AWS using AWS Direct Connect
- E. Leverage Amazon CloudFront to restrict access to static web content provided through the company's on-premises web servers

**Answer:** A,B

125. How does AWS Trusted Advisor provide guidance to users of the AWS Cloud? (Select TWO)

- A. It identifies software vulnerabilities in applications running on AWS
- B. It provides a list of cost optimization recommendations based on current AWS usage
- C. It detects potential security vulnerabilities caused by permissions settings on account resources
- D. It automatically corrects potential security issues caused by permissions settings on account resources
- E. It provides proactive alerting whenever an Amazon EC2 instance has been compromised

**Answer:** B,C

126. Which options does AWS make available for customers who want to learn about security in the cloud in an instructor-led setting? (Select TWO.)

- A. AWS Trusted Advisor
- B. AWS Online Tech Talks
- C. AWS Blog
- D. AWS Forums
- E. AWS Classroom Training

**Answer:** B,E

127. Which AWS service or feature can be used to monitor CPU usage?

- A. AWS CloudTrail
- B. VPC Flow Logs
- C. Amazon CloudWatch
- D. AWS Config

**Answer:** C

128. Which service is best for storing common database query results, which helps to alleviate database access load?

- A. Amazon Machine Learning
- B. Amazon SQS
- C. Amazon ElastiCache
- D. Amazon EC2 Instance Store

**Answer: C**

**Explanation:**

Amazon ElastiCache for Redis is a great choice for implementing a highly available, distributed, and secure in-memory cache to decrease access latency, increase throughput, and ease the load off your relational or NoSQL databases and applications. ElastiCache can serve frequently requested items at sub-millisecond response times, and enables you to easily scale for higher loads without growing the costlier backend databases. Database query results caching, persistent session caching, and full-page caching are all popular examples of caching with ElastiCache for Redis.

129.Which AWS service is a managed NoSQL database?

- A. Amazon Redshift
- B. Amazon DynamoDB
- C. Amazon Aurora
- D. Amazon RDS for ManaDB

**Answer: B**

130.Which of the following is an important architectural design principle when designing cloud applications?

- A. Use multiple Availability Zones.
- B. Use tightly coupled components.
- C. Use open source software.
- D. Provision extra capacity.

**Answer: A**

**Explanation:**

Data Center resilience is practiced through Availability Zones across data centers that reduce the impact of failures.

Fault isolation improvement can be made to traditional horizontal scaling by sharing a method of grouping instances into groups called shards, instead of sending the traffic from all users to every node like in the traditional IT structure.)

131.Which AWS service allows users to identify the changes made to a resource over time?

- A. Amazon Inspector
- B. AWS Config
- C. AWS Service Catalog
- D. AWS IAM

**Answer: B**

132.How does AWS shorten the time to provision IT resources?

- A. It supplies an online IT ticketing platform for resource requests.
- B. It supports automatic code validation services.
- C. It provides the ability to programmatically provision existing resources.
- D. It automates the resource request process from a company's IT vendor list.

**Answer: C**

133.How can the AWS Cloud increase user workforce productivity after migration from an on-premises data center?

- A. Users do not have to wait for infrastructure provisioning
- B. The AWS Cloud infrastructure is much faster than an on-premises data center infrastructure
- C. AWS takes over application configuration management on behalf of users
- D. Users do not need to address security and compliance issues

**Answer: A**

134.Which of the following services falls under the responsibility of the customer to maintain operating system configuration, security patching, and networking?

- A. Amazon RDS
- B. Amazon EC2
- C. Amazon ElastiCache
- D. AWS Fargate

**Answer: B**

**Explanation:**

The customer is responsible for managing, support, patching and control of the guest operating system and AWS services provided like EC2.

135.What can users access from AWS Artifact?

- A. AWS security and compliance documents
- B. A download of configuration management details for all AWS resources
- C. Training materials for AWS services
- D. A security assessment of the applications deployed in the AWS Cloud

**Answer: A**

136.What are the benefits of using the AWS Cloud for companies with customers in many countries around the world (Select TWO)

- A. Companies can deploy applications in multiple AWS Regions to reduce latency
- B. Amazon Translate automatically translates third-party website interfaces into multiple languages
- C. Amazon CloudFront has multiple edge locations around the world to reduce latency
- D. Amazon Comprehend allows users to build applications that can respond to user requests in many languages
- E. Elastic Load Balancing can distribute application web traffic to multiple AWS Regions around the world which reduces latency

**Answer: A,C**

137.An administrator needs to rapidly deploy a popular IT solution and start using it immediately. Where can the administrator find assistance?

- A. AWS Well-Architected Framework documentation
- B. Amazon CloudFront
- C. AWS CodeCommit
- D. AWS Quick Start reference deployments

**Answer: D**

**Explanation:**

Quick Starts are built by AWS solutions architects and partners to help you deploy popular technologies on AWS, based on AWS best practices for security and high availability. These accelerators reduce hundreds of manual procedures into just a few steps, so you can build your production environment quickly and start using it immediately.

138.A company is planning to migrate from on-premises to the AWS Cloud.

When AWS tool or service provides detailed reports on estimated cost savings after migration?

- A. AWS Total Cost of Ownership (TCO) Calculator
- B. Cost Explorer
- C. AWS Budgets
- D. AWS Migration Hub

**Answer: C**

139.Which AWS services provide a way to extend an on-premises architecture to the aws cloud?

- A. Amazon EBS
- B. Amazon Connect
- C. AWS Storage GatewayAWS CLOUD PRACTITIONER DUMPS
- D. Amazon CloudFront
- E. AWS Direct Connect

**Answer: B,D**

140.Which of the following is a component of the shared responsibility model managed entirely by AWS?

- A. Patching operating system software
- B. Encrypting data
- C. Enforcing multi-factor authentication
- D. Auditing physical data center assets

**Answer: D**

**Explanation:**

Of course, Amazon is responsible for auditing physical data center assets and resources since it is the property of Amazon Inc. Customers have no access to physical sites, hence they are not responsible for maintaining physical data center assets.

141.Which of the following are pillars of the AWS Well-Architected Framework? (Select TWO)

- A. Multiple Availability Zones
- B. Performance efficiency
- C. Security
- D. Encryption usage
- E. High availability

**Answer: C,E**

142.What can AWS edge locations be used for? (Select TWO.)

- A. Hosting applications
- B. Delivering content closer to users

- C. Running NoSQL database caching services
- D. Reducing traffic on the server by caching responses
- E. Sending notification messages to end users

**Answer:** B,D

**Explanation:**

CloudFront delivers your content through a worldwide network of data centers called edge locations. When a user requests content that you're serving with CloudFront, the user is routed to the edge location that provides the lowest latency (time delay), so that content is delivered with the best possible performance.

143.How do Amazon EC2 Auto Scaling groups help achieve high availability for a web application?

- A. They automatically add more instances across multiple AWS Regions based on global demand of the application
- B. They automatically add or replace instances across multiple Availability Zones when the application needs it
- C. They enable the application's content to reside closer to end users
- D. They are able to distribute incoming requests across a tier of web server instances

**Answer:** B

144.Which AWS service delivers data, videos, applications, and APIs to users globally with low latency and high transfer speeds?

- A. Amazon Route 53
- B. Amazon Connect
- C. Amazon CloudFront
- D. Amazon EC2

**Answer:** B

145.Which element of the AWS global infrastructure consists of one or more discrete data centers each with redundant power networking and connectivity which are housed in separate facilities?

- A. AWS Regions
- B. Availability Zones
- C. Edge locations
- D. Amazon CloudFront

**Answer:** B

146.According to the AWS shared responsibility model who is responsible for configuration management?

- A. It is solely the responsibility of the customer
- B. It is solely the responsibility of AWS
- C. It is shared between AWS and the customer
- D. It is not part of the AWS shared responsibility model

**Answer:** C

147.Which Amazon EC2 pricing model offers the MOST significant discount when compared to OnDemand Instances?

- A. A Partial Upfront Reserved Instances for a 1-year term
- B. All Upfront Reserved instances for a 1 year form
- C. All Upfront Reserved Instances for a 3 year term
- D. No Upfront Reserved Instances for a 3 year term

**Answer: C**

148.Which of the following is a cloud architectural design principle?

- A. Scale up not out
- B. Loosely couple components
- C. Build monolithic systems
- D. Use commercial database software

**Answer: B**

149.How do customers benefit from Amazon's massive economies of scale?

- A. Periodic price reductions as the result of Amazon's operational efficiencies
- B. New Amazon EC2 instance types providing the latest hardware
- C. The ability to scale up and down when needed
- D. Increased reliability in the underlying hardware of Amazon EC2 instances

**Answer: C**

**Explanation:**

By using cloud computing, you can achieve a lower variable cost than you can get on your own. Because usage from hundreds of thousands of customers is aggregated in the cloud, providers such as AWS can achieve higher economies of scale, which translates into lower pay as-you-go prices.

150.Which AWS security service protects applications from distributed denial of service attacks with always-on detection and automatic inline mitigations?

- A. Amazon Inspector
- B. AWS Web Application Firewall (AWS WAF)
- C. Elastic Load Balancing (ELB)
- D. AWS Shield

**Answer: B**

151.Which AWS feature should a customer leverage to achieve high availability of an application?

- A. AWS Direct Connect
- B. Availability Zones
- C. Data centers
- D. Amazon Virtual Private Cloud (Amazon VPC)

**Answer: B**

**Explanation:**

This is to achieve High Availability for any web application (in this case SwiftCode) deployed in AWS. The following features will be present:

152.Why is it beneficial to use Elastic Load Balancers with applications?

- A. They allow for the conversion from Application Load

- B. Balancers to Classic Load Balancers
- C. They are capable of handling constant changes in network traffic patterns
- D. They automatically adjust capacity. They are provided at no charge to users

**Answer: B**

153. A user must meet compliance and software licensing requirements that state a workload must be hosted on a physical server.

When Amazon EC2 instance pricing option will meet these requirements?

- A. Dedicated Hosts
- B. Dedicated Instances
- C. Spot Instances
- D. Reserved Instances

**Answer: A**

154. The user is fully responsible for which action when running workloads on AWS?

- A. Patching the infrastructure components
- B. Maintaining the underlying infrastructure components
- C. Maintaining physical and environmental controls
- D. Implementing controls to route application traffic

**Answer: A**

155. Which of the following common IT tasks can AWS cover to free up company IT resources? (Select TWO.)

- A. Patching databases software
- B. Testing application releases
- C. Backing up databases
- D. Creating database schema
- E. Running penetration tests

**Answer: A,C**

156. Which mechanism allows developers to access AWS services from application code?

- A. AWS Software Development Kit
- B. AWS Management Console
- C. AWS CodePipeline
- D. AWS Config

**Answer: A**

157. Which of the following is an AWS Cloud architecture design principle?

- A. Implement single points of failure.
- B. Implement loose coupling.
- C. Implement monolithic design.
- D. Implement vertical scaling.

**Answer: B**

**Explanation:**

Loose coupling between services can also be done through asynchronous integration. It involves one component that generates events and another that consumes them. The two components do not integrate through direct point-to-point interaction, but usually through an intermediate durable storage layer. This approach decouples the two components and introduces additional resiliency. So, for example, if a process that is reading messages from the queue fails, messages can still be added to the queue to be processed when the system recovers.

158. Which AWS service would a customer use with a static website to achieve lower latency and high transfer speeds?

- A. AWS Lambda
- B. Amazon DynamoDB Accelerator
- C. Amazon Route 53
- D. Amazon CloudFront

**Answer:** D

159. How can one AWS account use Reserved Instances from another AWS account?

- A. By using Amazon EC2 Dedicated Instances
- B. By using AWS Organizations consolidated billing
- C. By using the AWS Cost Explorer tool
- D. By using AWS Budgets

**Answer:** B

160. Which AWS service can serve a static website?

- A. Amazon S3
- B. Amazon Route 53
- C. Amazon QuickSight
- D. AWS X-Ray

**Answer:** A

**Explanation:**

You can host a static website on Amazon Simple Storage Service (Amazon S3). On a static website, individual webpages include static content. They might also contain client-side scripts. By contrast, a dynamic website relies on server-side processing, including server-side scripts such as PHP, JSP, or ASP.NET. Amazon S3 does not support server-side scripting.

161. Which is the minimum AWS Support plan that includes Infrastructure Event Management without additional costs?

- A. Enterprise
- B. Business
- C. Developer
- D. Basic

**Answer:** A

**Explanation:**

<https://aws.amazon.com/premiumsupport/plans/>

162.Which of the following can an AWS customer use to launch a new Amazon Relational Database Service (Amazon RDS) cluster? (Select TWO.)

- A. AWS Concierge
- B. AWS CloudFormation
- C. Amazon Simple Storage Service (Amazon S3)
- D. Amazon EC2 Auto Scaling
- E. AWS Management Console

**Answer:** B,E

163.Which of the following services have Distributed Denial of Service (DDoS) mitigation features? (Select TWO)

- A. AWSWAF
- B. Amazon DynamoDB
- C. Amazon EC2
- D. Amazon CloudFront
- E. Amazon Inspector

**Answer:** A,D

164.How should a customer forecast the future costs for running a new web application?

- A. Amazon Aurora Backtrack
- B. Amazon CloudWatch Billing Alarms
- C. AWS Simple Monthly Calculator
- D. AWS Cost and Usage report

**Answer:** C

**Explanation:**

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

165.According to the AWS shared responsibility model what is the sole responsibility of AWS?

- A. Application security
- B. Edge location management
- C. Patch management
- D. Client-side data

**Answer:** B

166.Which service provides a hybrid storage service that enables on-premises applications to seamlessly use cloud storage?

- A. Amazon Glacier
- B. AWS Snowball
- C. AWS Storage Gateway
- D. Amazon Elastic Block Storage (Amazon EBS)

**Answer:** C

**Explanation:**

AWS Storage Gateway is a hybrid cloud storage service that gives you on-premises access to virtually unlimited cloud storage. Customers use Storage Gateway to simplify storage management and reduce

costs for key hybrid cloud storage use cases. These include moving tape backups to the cloud, reducing on-premises storage with cloud-backed file shares, providing low latency access to data in AWS for on-premises applications, as well as various migration, archiving, processing, and disaster recovery use cases.

167. A company will be moving from an on-premises data center to the AWS Cloud.

What would be one financial difference after the move?

- A. Moving from variable operational expense (opex) to upfront capital expense (capex).
- B. Moving from upfront capital expense (capex) to variable capital expense (capex).
- C. Moving from upfront capital expense (capex) to variable operational expense (opex).
- D. Elimination of upfront capital expense (capex) and elimination of variable operational expense (opex)

**Answer: C**

168. AWS Enterprise Support users have access to which service or feature that is not available to users with other AWS Support plans?

- A. AWS Trusted Advisor
- B. AWS Support case
- C. Concierge team
- D. Amazon Connect

**Answer: D**

169. Much AWS services provide a way to extend an on-premises architecture to the AWS Cloud? (Select TWO)

- A. Amazon EBS
- B. AWS Direct Connect
- C. Amazon CloudFront
- D. AWS Storage Gateway
- E. Amazon Connect

**Answer: B,D**

170. What is an advantage of deploying an application across multiple Availability Zones?

- A. There is a lower risk of service failure if a natural disaster causes a service disruption in a given AWS Region
- B. The application will have higher availability because it can withstand a service disruption in one Availability Zone
- C. There will be better coverage as Availability Zones are geographical<sup>^</sup> distant and can serve a wider area
- D. There will be decreased application latency that will improve the user experience

**Answer: B**

171. What time-savings advantage is offered with the use of Amazon Rekognition?

- A. Amazon Rekognition provides automatic watermarking of images
- B. Amazon Rekognition provides automatic detection of objects appearing in pictures
- C. Amazon Recognition provides the ability to resize millions of images automatically

D. Amazon Rekognition uses Amazon Mechanical Turk to allow humans to bid on object detection jobs

**Answer: B**

172. Which of the following will enhance the security of access to the AWS Management Console? (Select TWO)

- A. AWS Secrets Manager
- B. AWS Certificate Manager
- C. AWS Multi-Factor Authentication (AWS MFA)
- D. Security groups
- E. Password policies

**Answer: C,E**

173. Which benefits are included with the AWS Business Support plan? (Select TWO)

- A. 24/7 assistance by way of live chat or a telephone call
- B. Support from a dedicated AWS Technical Account Manager
- C. An unlimited number of cases and contacts
- D. 15-minute response time for production system interruption cases
- E. Annual operational reviews with AWS Solutions Architects

**Answer: A,C**

174. A solution that is able to support growth in users, traffic, or data size with no drop in performance aligns with which cloud architecture principle?

- A. Think parallel
- B. Implement elasticity
- C. Decouple your components
- D. Design for failure

**Answer: B**

175. Which services are parts of the AWS serverless platform?

- A. Amazon EC2, Amazon S3, Amazon Athena
- B. Amazon Kinesis, Amazon SQS, Amazon EMR
- C. AWS Step Functions, Amazon DynamoDB, Amazon SNS
- D. Amazon Athena, Amazon Cognito, Amazon EC2

**Answer: C**

**Explanation:**

AWS provides a set of fully managed services that you can use to build and run serverless applications. Serverless applications don't require provisioning, maintaining, and administering servers for backend components such as compute, databases, storage, stream processing, message queuing, and more. You also no longer need to worry about ensuring application fault tolerance and availability. Instead, AWS handles all of these capabilities for you. Serverless platform includes: AWS lambda, Amazon S3, DynamoDB, API gateway, Amazon SNS, AWS step functions, Amazon kinesis and developing tools and services.

176. A company needs 24/7 phone email and chat access with a response time of less than 1 hour if a

production system has a service interruption

Which AWS Support plan meets these requirements at the LOWEST cost?

- A. Basic
- B. Developer
- C. Business
- D. Enterprise

**Answer: D**

177.How can a user protect against AWS service disruptions if a natural disaster affects an entire geographic area?

- A. Deploy applications across multiple Availability Zones within an AWS Region
- B. Use a hybrid cloud computing deployment model within the geographic area
- C. Deploy applications across multiple AWS Regions
- D. Store application artifacts using AWS Artifact and replicate them across multiple AWS Regions

**Answer: C**

193.A company wants to expand from one AWS Region into a second AWS Region.

What does the company need to do to start supporting the new Region?

- A. Contact an AWS Account Manager to sign a new contract
- B. Move an Availability Zone to the new Region
- C. Begin deploying resources in the second Region
- D. Download the AWS Management Console for the new Region

**Answer: B**

178.Which of the following can limit Amazon Simple Storage Service (Amazon S3) bucket access to specific users?

- A. A public and private key-pair
- B. Amazon Inspector
- C. AWS Identity and Access Management (IAM) policies
- D. Security Groups

**Answer: C**

**Explanation:**

To allow users to perform S3 actions on the bucket from the VPC endpoints or IP addresses, you must explicitly grant those user-level permissions. You can grant user-level permissions on either an AWS Identity and Access Management (IAM) policy or another statement in the bucket policy.

179.Which disaster recovery scenario offers the lowest probability of down time?

- A. Backup and restore
- B. Pilot light
- C. Warm standby
- D. Multi-site active-active

**Answer: D**

**Explanation:**

Backup and Restore: a simple, straightforward, cost-effective method that backs up and restores data as

needed. Keep in mind that because none of your data is on standby, this method, while cheap, can be quite time-consuming.

**Pilot Light:** This method keeps critical applications and data at the ready so that it can be quickly retrieved if needed.

**Warm Standby:** This method keeps a duplicate version of your business' core elements running on standby at all times, which makes for a little downtime and an almost seamless transition.

**Multi-Site Solution:** Also known as a Hot Standby, this method fully replicates your company's data/applications between two or more active locations and splits your traffic/usage between them. If a disaster strikes, everything is simply rerouted to the unaffected area, which means you'll suffer almost zero downtime. However, by running two separate environments simultaneously, you will obviously incur much higher costs.

Reference: <https://cloudranger.com/best-practices-aws-disaster-recovery-planning/>

180.Which AWS feature allows a company to take advantage of usage tiers for services across multiple member accounts?

- A. Service control policies (SCPs)
- B. Consolidated billing
- C. All Upfront Reserved Instances
- D. AWS Cost Explorer

**Answer: B**

181.A company wants to focus on business activities instead of managing compute and capacity. Which AWS service can be used to automatically add or remove Amazon EC2 instances based on demand)

- A. Elastic Load Balancer
- B. Amazon EC2 Auto Scaling
- C. Amazon Route 53
- D. Amazon CloudFront

**Answer: B**

182.How can a customer increase security to AWS account logons? (Select TWO)

- A. Configure AWS Certificate Manager
- B. Enable Multi-Factor Authentication (MFA)
- C. Use Amazon Cognito to manage access
- D. Configure a strong password policy
- E. Enable AWS Organizations

**Answer: B,D**

183.Which of the following are main components of the AWS global infrastructure? (Select TWO)

- A. Resource groups
- B. Availability Zones
- C. Security groups
- D. Regions
- E. Amazon Machine Images (AMIS)

**Answer:** B,E

184.A user wants guidance on possible savings when migrating from on-premises to AWS. Which tool is suitable for this scenario?

- A. AWS Budgets
- B. Cost Explorer
- C. AWS Total Cost of Ownership (TCO) Calculator
- D. AWS Well-Architected Tool

**Answer:** C

185.A company has deployed several relational databases on Amazon EC2 instances Every month the database software vendor releases new security patches that need to be applied to the databases. What is the MOST efficient way to apply the security patches?

- A. Connect to each database instance on a monthly basis and download and apply the necessary security patches from the vendor
- B. Enable automate patching for the instances using the Amazon RDS console
- C. In AWS Config, configure a rule for the instances and the required patch level
- D. Use AWS Systems Manager to automate database patching according to a schedule

**Answer:** D

186.How can a company reduce its Total Cost of Ownership (TCO) using AWS?

- A. By minimizing large capital expenditures
- B. By having no responsibility for third-party license costs
- C. By having no operational expenditures
- D. By having AWS manage applications

**Answer:** A

187.One benefit of On-Demand Amazon Elastic Compute Cloud (Amazon EC2) pricing is:

- A. the ability to bid for a lower hourly cost.
- B. paying a daily rate regardless of time used.
- C. paying only for time used.
- D. pre-paying for instances and paying a lower hourly rate.

**Answer:** C

**Explanation:**

On-Demand Capacity Reservations are priced exactly the same as their equivalent (On-Demand) instance usage. If a Capacity Reservation is fully utilized, you only pay for instance usage and nothing towards the Capacity Reservation. If a Capacity Reservation is partially utilized, you pay for the instance usage and for the unused portion of the Capacity Reservation.

188.Access keys in AWS Identity and Access Management (IAM) are used to

- A. log in to the AWS Management Console
- B. make programmatic calls to AWS from AWS APIs
- C. log in to Amazon EC2 instances
- D. authenticate to AWS CodeCommit repositories

**Answer: B**

189. Which of the following features can be configured through the Amazon Virtual Private Cloud (Amazon VPC) Dashboard? (Select TWO.)

- A. Amazon CloudFront distributions
- B. Amazon Route 53
- C. Security Groups
- D. Subnets
- E. Elastic Load Balancing

**Answer: C,D**

**Explanation:**

Amazon Virtual Private Cloud (Amazon VPC) lets you provision a logically isolated section of the AWS Cloud where you can launch AWS resources in a virtual network that you define. You have complete control over your virtual networking environment, including selection of your own IP address range, creation of subnets, and configuration of route tables and network gateways. You can use both IPv4 and IPv6 in your VPC for secure and easy access to resources and applications.

You can easily customize the network configuration for your Amazon VPC. For example, you can create a public-facing subnet for your web servers that has access to the Internet, and place your backend systems such as databases or application servers in a private-facing subnet with no Internet access. You can leverage multiple layers of security, including security groups and network access control lists, to help control access to Amazon EC2 instances in each subnet.

190. Which AWS services can be used to gather information about AWS account activity? (Select TWO.)

- A. Amazon CloudFront
- B. AWS Cloud9
- C. AWS CloudTrail
- D. AWS CloudHSM
- E. Amazon CloudWatch

**Answer: A,E**

**Explanation:**

AWS offers a solution that uses AWS CloudTrail to log account activity, Amazon Kinesis to compute and stream metrics in real-time, and Amazon DynamoDB to durably store the computed data. Metrics are calculated for create, modify, and delete API calls for more than 60 supported AWS services. The solution also features a dashboard that visualizes your account activity in real-time.

191. Which of the following security measures protect access to an AWS account? (Select TWO.)

- A. Enable AWS CloudTrail.
- B. Grant least privilege access to IAM users.
- C. Create one IAM user and share with many developers and users.
- D. Enable Amazon CloudFront.
- E. Activate multi-factor authentication (MFA) for privileged users.

**Answer: B,E**

**Explanation:**

If you decided to create service accounts (that is, accounts used for programmatic access by applications

running outside of the AWS environment) and generate access keys for them, you should create a dedicated service account for each use case. This will allow you to restrict the associated policy to only the permissions needed for the particular use case, limiting the blast radius if the credentials are compromised. For example, if a monitoring tool and a release management tool both require access to your AWS environment, create two separate service accounts with two separate policies that define the minimum set of permissions for each tool.

192.Which of the following tasks is the responsibility of AWS?

- A. Encrypting client-side data
- B. Configuring AWS Identity and Access Management (IAM) roles
- C. Securing the Amazon EC2 hypervisor
- D. Setting user password policies

**Answer: C**

**Explanation:**

In EC2, the AWS IaaS offering, everything from the hypervisor layer down is AWS's responsibility. A customer's poorly coded applications, misconfigured operating systems, or insecure firewall settings will not affect the hypervisor, it will only affect the customer's virtual machines running on that hypervisor.

193.Which AWS service or feature can enhance network security by blocking requests from a particular network for a web application on AWS? (Select TWO.)

- A. AWS WAF
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. AWS Organizations
- E. Network ACLs

**Answer: A,C**

194.Which service's PRIMARY purpose is software version control?

- A. Amazon CodeStar
- B. AWS Command Line Interface (AWS CLI)
- C. Amazon Cognito
- D. AWS CodeCommit

**Answer: D**

195.Which is the MINIMUM AWS Support plan that provides technical support through phone calls?

- A. Enterprise
- B. Business
- C. Developer
- D. Basic

**Answer: B**

196.Which AWS service can be used to query stored datasets directly from Amazon S3 using standard SQL?

- A. AWS Glue

- B. AWS Data Pipeline
- C. Amazon CloudSearch
- D. Amazon Athena

**Answer: D**

197. Amazon Relational Database Service (Amazon RDS) offers which of the following benefits over traditional database management?

- A. AWS manages the data stored in Amazon RDS tables.
- B. AWS manages the maintenance of the operating system.
- C. AWS automatically scales up instance types on demand.
- D. AWS manages the database type.

**Answer: C**

**Explanation:**

RDS lowers administrative burden through automatic software patching and maintenance of the underlying operating system and secondly, you still have to manually upgrade the underlying instance type of your database cluster in order to scale it up.

198. Which security service automatically recognizes and classifies sensitive data or intellectual property on AWS?

- A. Amazon GuardDuty
- B. Amazon Macie
- C. Amazon Inspector
- D. AWS Shield

**Answer: A**

199. A Cloud Practitioner must determine if any security groups in an AWS account have been provisioned to allow unrestricted access for specific ports

What is the SIMPLEST way to do this?

- A. Review the inbound rules for each security group in the Amazon EC2 management console to check for port 0.0.0.0/0.
- B. Run AWS Trusted Advisor and review the findings
- C. Open the AWS IAM console and check the inbound rule filters for open access
- D. In AWS Config, create a custom rule that invokes an AWS Lambda function to review firewall rules for inbound access

**Answer: B**

200. How can an AWS user with an AWS Basic Support plan obtain technical assistance from AWS?

- A. AWS Senior Support Engineers
- B. AWS Technical Account Managers
- C. AWS Trusted Advisor
- D. AWS Discussion Forums

**Answer: C**

201. A company needs an Amazon S3 bucket that cannot have any public objects due to compliance

requirements.

How can this be accomplished?

- A. Enable S3 Block Public Access from the AWS Management Console
- B. Hold a team meeting to discuss the importance of only uploading private S3 objects
- C. Require all S3 objects to be manually approved before uploading
- D. Create a service to monitor all S3 uploads and remove any public uploads

**Answer:** A

202.A company wants to expand its content delivery network infrastructure.

Which AWS service should be used?

- A. Amazon S3
- B. Amazon CloudFront
- C. AWS Global Accelerator
- D. Amazon Route 53

**Answer:** B

203.A company has different AWS accounts for production and development resources.

Which AWS service provides billing for all AWS accounts consolidated into a single payment method?

- A. Amazon Connect
- B. Cost Explorer
- C. AWS Trusted Advisor
- D. AWS Organizations

**Answer:** D

**Explanation:**

<https://aws.amazon.com/answers/account-management/aws-multi-account-billing-strategy/>

204.After migrating a workload to AWS, which associated costs must a user still manage?

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- A. Staff to manage the hardware assets
- B. Physical access control
- C. Software licenses
- D. Power and cooling

**Answer:** A

205.Which AWS tools or services can be used to list all AWS Lambda functions running in an account?

(Select TWO)

- A. AWS CLI
- B. AWS CloudFormation
- C. AWS CloudTrail
- D. Amazon Cloud Directory
- E. AWS SDKS

**Answer:** A,E

206.A company's application running on Amazon EC2 is designed to use an Auto Scaling group to

dynamically add or remove instances as demand increases or decreases.

This is an example of which AWS Cloud architectural principle?

- A. Loose coupling
- B. Elasticity
- C. Design for failure
- D. Parallelism

**Answer: B**

207.Which AWS service offers persistent storage for a file system?

- A. Amazon S3
- B. Amazon EC2 instance store
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon ElastiCache

**Answer: C**

208.Amazon Route 53 enables users to:

- A. encrypt data in transit.
- B. register DNS domain names
- C. generate and manage SSL certificates OD.
- D. establish a dedicated network connection to AWS

**Answer: B**

209.A company has a 500 TB image repository that needs to be transported to AWS for processing. Which AWS service can import this data MOST cost-effectively?

- A. AWS Snowball
- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon S3

**Answer: A**

210.Which of the following benefits does the AWS Compliance program provide to AWS customers?

(Choose two.)

- A. It verifies that hosted workloads are automatically compliant with the controls of supported compliance frameworks.
- B. AWS is responsible for the maintenance of common compliance framework documentation.
- C. It assures customers that AWS is maintaining physical security and data protection.
- D. It ensures the use of compliance frameworks that are being used by other cloud providers.
- E. It will adopt new compliance frameworks as they become relevant to customer workloads.

**Answer: A,B**

**Explanation:**

Reference:

[https://d0.awsstatic.com/whitepapers/compliance/AWS\\_Risk\\_and\\_Compliance\\_Whitepaper.pdf](https://d0.awsstatic.com/whitepapers/compliance/AWS_Risk_and_Compliance_Whitepaper.pdf)

211.Where can users find a catalog of AWS-recognized providers of third-party security solutions?

- A. AWS Service Catalog
- B. AWS Marketplace
- C. AWS Quick Start
- D. AWS CodeDeploy

**Answer: B**

212. A user is planning to migrate an application workload to the AWS Cloud. Which control becomes the responsibility of AWS once the migration is complete?

- A. Patching the guest operating system
- B. Maintaining physical and environmental controls
- C. Protecting communications and maintaining zone security
- D. Patching specific applications

**Answer: A**

213. An ecommerce company anticipates a huge increase in web traffic for two very popular upcoming shopping holidays.

Which AWS service or feature can be configured to dynamically adjust resources to meet this change in demand?

- A. AWS Cloud Trail
- B. Amazon EC2 Auto Scaling
- C. Amazon Forecast
- D. AWS Config

**Answer: B**

214. Which AWS service or feature provides an additional layer of protection for user name and password authentication to the AWS Management Console?

- A. Amazon Cloud Directory
- B. AWS KMS AWS Multi-Factor
- C. Authentication (AWS MFA)
- D. Amazon Cognito

**Answer: C**

215. A company must ensure that its endpoint for a database instance remains the same after a single Availability Zone service interruption. The application needs to resume database operations without the need for manual administrative intervention.

How can these requirements be met?

- A. Use multiple Amazon Route 53 routes to the standby database instance endpoint hosted on AWS Storage Gateway
- B. Configure Amazon RDS Multi-Availability Zone deployments with automatic failover to the standby
- C. Add multiple Application Load Balancers and deploy the database instance with AWS Elastic Beanstalk.
- D. Deploy a single Network Load Balancer to distribute incoming traffic across multiple Amazon CloudFront origins

**Answer: B**

216.Which components are required to build a successful site-to-site VPN connection on AWS? (Select TWO.)

- A. Internet gateway
- B. NAT gateway
- C. Customer gateway
- D. Transit gateway
- E. Virtual private gateway

**Answer:** C,E

217.A company with a Developer-level AWS Support plan provisioned an Amazon RDS database and cannot connect to it.

- A. Who should the developer contact for this level of support?
- B. AWS Support using a support case
- C. AWS Professional Services
- D. AWS Technical Account Manager AWS consulting partners

**Answer:** A

218.AWS CloudFormation is designed to help the user:

- A. model and provision resources
- B. update application code,
- C. set up data lakes
- D. create reports for billing

**Answer:** A

219.Which of the following automatically distributes application traffic across multiple targets, such as Amazon EC2 instances or containers?

- A. AWS Application Discovery Service
- B. AWS Resource Groups
- C. AWS Auto Scaling
- D. Elastic Load Balancing

**Answer:** D

220.A company wants to integrate conversational natural language chatbots into its existing application using voice and text.

Which managed AWS service can be used for this use case?

- A. Amazon Lex
- B. Amazon Polly
- C. Amazon Textract
- D. Amazon Comprehend

**Answer:** C

221.Users are reporting latency when connecting to an website with a global customer base.

Which AWS service will following can an AWS customer use to launch educing latency?

- A. Amazon CloudFront
- B. AWS Direct Connect
- C. Amazon EC2 Auto Scaling
- D. AWS Transit Gateway

**Answer: A**

222.Which Amazon S3 storage class is optimized to provide access to data with lower resiliency requirements, but rapid access when needed, such as duplicate backups?

- A. Amazon S3 Standard
- B. Amazon S3 Glacier Deep Archive
- C. Amazon S3 One Zone-Infrequent Access
- D. Amazon S3 Glacier

**Answer: C**

223.A company is running an ecommerce application hosted in Europe. To decrease latency for users who access the website from other parts of the world, the company would like to cache frequently accessed static content closer to the users

Which AWS service will support these requirements?

- A. Amazon ElastiCache
- B. Amazon CloudFront
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon Elastic Block Store (Amazon EBS)

**Answer: C**

224.IT systems should be designed to reduce interdependencies, so that a change or failure in one component does not cascade to other components

This is an example of which principle of cloud architecture design?

- A. ScalabilityAWS CLOUD PRACTITIONER DUMPS
- B. Loose coupling
- C. Automation
- D. Automatic scaling

**Answer: B**

225.Which AWS IAM feature is used to associate a set of permissions with multiple users?

- A. Multi-factor authentication
- B. Groups
- C. Password policies
- D. Access keys

**Answer: B**

**Explanation:**

An IAM group is a collection of IAM users. You can use groups to specify permissions for a collection of users, which can make those permissions easier to manage for those users. For example, you could have a group called Admins and give that group the types of permissions that administrators typically need.

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/id.html>

226.How does AWS charge for AWS Lambda usage once the free tier has been exceeded? (Select TWO)

- A. By the time it takes for the Lambda function to execute.
- B. By the number of versions of a specific Lambda function.
- C. By the number of requests made for a given Lambda function.
- D. By the programming language that is used for the Lambda function
- E. By the total number of Lambda functions in an AWS account

**Answer:** A,C

227.Which AWS service provides a quick and automated way to create and manage AWS accounts?

- A. AWS QuickSight
- B. Amazon Lightsail
- C. AWS Organizations
- D. Amazon Connect

**Answer:** C

228.which AWS tools automatically forecast future AWS costs?

- A. AWS Support Center
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Simple Monthly Calculator
- D. Cost Explorer

**Answer:** D

229.A company must store critical business data in Amazon S3 with a backup to another AWS Region  
How can this be achieved?

- A. Use an Amazon CloudFront Content Delivery Network (CDN) to cache data globally
- B. Set up Amazon S3 cross-region replication to another AWS Region
- C. Configure the AWS Backup service to back up the data to another AWS Region
- D. Take Amazon S3 bucket snapshots and copy that data to another AWS Region

**Answer:** B

230.What is an Availability Zone in AWS?

- A. One or more physical data centers
- B. A completely isolated geographic location
- C. One or more edge locations based around the world
- D. A data center location with a single source of power and networking

**Answer:** A

231.Under the shared responsibility model, which of the following tasks are the responsibility of the customer? (Choose two.)

- A. Maintaining the underlying Amazon EC2 hardware.
- B. Managing the VPC network access control lists.
- C. Encrypting data in transit and at rest.
- D. Replacing failed hard disk drives.

E. Deploying hardware in different Availability Zones.

**Answer:** B,C

**Explanation:**

The hardware related jobs is the prime responsibility of AWS. VPC network access control lists is something a customer has to do himself to secure the applications. Encrypting data in transit and at rest is a shared responsibility in which AWS plays a part. All hardware related jobs have nothing to do with the customer.

Reference: <https://dzone.com/articles/aws-shared-responsibility-model-cloud-security>

232.What is a characteristic of Amazon S3 cross-region replication?

- A. Both source and destination S3 buckets must have versioning disabled
- B. The source and destination S3 buckets cannot be in different AWS Regions
- C. S3 buckets configured for cross-region replication can be owned by a single AWS account or by different accounts
- D. The source S3 bucket owner must have the source and destination AWS Regions disabled for their account

**Answer:** C

233.Which of the following are benefits of the AWS Cloud? (Choose two.)

- A. Unlimited uptime
- B. Elasticity
- C. Agility
- D. Colocation
- E. Capital expenses

**Answer:** B,C

**Explanation:**

The most celebrated benefit of AWS cloud is elasticity since you can expand the services when you experience more traffic.

Agile developments in AWS Cloud through strategies are day by day becoming more established within the enterprises across the world. With so much improvement and call for optimization in the cloud, it is necessary that these strategies get established from the ground up within the organizations. It is highly important as already enterprises have a lot of bequest, politics and hierarchies which act as barriers in their businesses.

Reference: <https://www.botmetric.com/blog/evolution-agile-enterprises-aws-cloud/>

234.Which AWS services can be used as infrastructure automation tools? (Select TWO.)

- A. AWS CloudFormation
- B. Amazon CloudFront
- C. AWS Batch
- D. AWS OpsWorks
- E. Amazon QuickSight

**Answer:** A,D

235.Why is it beneficial to use Elastic Load Balancers with applications?

- A. They allow for the conversion from Application Load Balancers to Classic Load Balancers.
- B. They are capable of handling constant changes in network traffic patterns.
- C. They automatically adjust capacity
- D. They are provided at no charge to

**Answer: C**

236.Which AWS service provides inbound and outbound network ACLs to harden external connectivity to Amazon EC2?

- A. AWS IAM
- B. Amazon Connect
- C. Amazon VPC
- D. Amazon API Gateway

**Answer: C**

237.An application runs on multiple Amazon EC2 instances that access a shared file system simultaneously

Which AWS storage service should be used?

- A. Amazon EBS
- B. Amazon EFS
- C. Amazon S3
- D. AWS Artifact

**Answer: B**

238.Which AWS service helps identify malicious or unauthorized activities in AWS accounts and workloads?

- A. Amazon Rekognition
- B. AWS Trusted Advisor
- C. Amazon GuardDuty
- D. Amazon CloudWatch

**Answer: C**

239.A user needs to launch a workload in multiple AWS environments Each copy of the workload must have the same configuration

What is the MOST efficient way to accomplish this task?

- A. Launch the resources using the AWS Management Console
- B. Use AWS CloudFormation to launch a stack.
- C. Execute a custom PowerShell script to launch the workloads.
- D. Use AWS OpsWorks to provision the workloads.

**Answer: D**

240.Which AWS service is used to provide encryption for Amazon EBS?

- A. A AWS Certificate Manager
- B. AWS Systems Manager
- C. AWS KMS

D. AWS Config

**Answer: C**

241. Which AWS services provide a user with connectivity between the AWS Cloud and on-premises resources? (Select TWO)

- A. AWS VPN
- B. Amazon Connect
- C. Amazon Cognito
- D. AWS Direct Connect
- E. AWS Managed Services

**Answer: A,D**

242. Which AWS services can be used to move data from on-premises data centers to AWS? (Select TWO.)

- A. AWS Snowball
- B. AWS Lambda
- C. Amazon ElastiCache
- D. AWS Database Migration Service (AWS DMS)
- E. Amazon API Gateway

**Answer: A,D**

243. What is the MOST cost-effective instance type for an application with a steady, consistent workload that is hosted on an Amazon EC2 instance, which needs to operate for at least one year?

- A. Spot Instances
- B. Reserved Instances
- C. On-Demand Instances
- D. Dedicated Host

**Answer: B**

244. What is the purpose of a policy in AWS Identity Access Management (IAM)?

- A. To define the run schedule of an Amazon EC2 instance
- B. To assign permissions to a role, group, or user
- C. To manage ports within a VPN
- D. To manage the access keys for an IAM user

**Answer: B**

245. To use the AWS CLI, users are required to generate:

- A. a password policy.
- B. an access/secret key.
- C. a managed policy.
- D. an API key

**Answer: B**

246. The pay-as-you-go pricing model for AWS services:

- A. reduces capital expenditures.
- B. requires payment up front for AWS services
- C. is relevant only for Amazon EC2, Amazon S3, and Amazon RDS.
- D. reduces operational expenditures.

**Answer:** D

247. A company is planning to launch an ecommerce site in a single AWS Region to a worldwide user base.

Which AWS services will allow the company to reach users and provide low latency and high transfer speeds? (Select TWO)

- A. Application Load Balancer
- B. AWS Global Accelerator
- C. AWS Direct Connect
- D. Amazon CloudFront
- E. AWS Lambda

**Answer:** B,D

248. Which AWS service can run a managed PostgreSQL database that provides online transaction processing (OLTP)?

- A. Amazon DynamoDB
- B. Amazon Athena
- C. Amazon RDS
- D. Amazon EMR

**Answer:** C

**Explanation:**

<https://aws.amazon.com/blogs/big-data/join-amazon-redshift-and-amazon-rds-postgresql-with-dblink/>

249. Which AWS dashboard displays relevant and timely information to help users manage events in progress, and provides proactive notifications to help plan for scheduled activities?

- A. AWS Service Health Dashboard
- B. AWS Personal Health Dashboard
- C. AWS Trusted Advisor dashboard
- D. Amazon CloudWatch dashboard

**Answer:** B

**Explanation:**

<https://d1.awsstatic.com/whitepapers/aws-overview.pdf>

AWS Personal Health Dashboard AWS Personal Health Dashboard provides alerts and remediation guidance when AWS is experiencing events that might affect you. While the Service Health Dashboard displays the general status of AWS services, Personal Health Dashboard gives you a personalized view into the performance and availability of the AWS services underlying your AWS resources. The dashboard displays relevant and timely information to help you manage events in progress, and provides proactive notification to help you plan for scheduled activities. With Personal Health Dashboard, alerts are automatically triggered by changes in the health of AWS resources, giving you event visibility and guidance to help quickly diagnose and resolve issues.

250.Which of the following allows an application running on an Amazon EC2 instance to securely write data to an Amazon S3 bucket without using long term credentials?

- A. Amazon Cognito
- B. AWS Shield
- C. AWS IAM role
- D. AWS IAM user access key

**Answer:** C

251.Which AWS service or feature allows the user to manage cross-region application traffic?

- A. Amazon AppStream 2.0
- B. Amazon VPC
- C. Elastic Load Balancer
- D. Amazon Route 53

**Answer:** B

252.What is the total amount of storage offered by Amazon S3

- A. 100 MB
- B. 5 GB OC
- C. 5 TB
- D. Unlimited

**Answer:** C

253.When comparing AWS Cloud with on-premises Total Cost of Ownership, which expenses must be considered? (Choose two.)

- A. Software development
- B. Project management
- C. Storage hardware
- D. Physical servers
- E. Antivirus software license

**Answer:** C,D

**Explanation:**

Reference: <https://aws.amazon.com/blogs/aws/the-new-aws-tco-calculator/>

254.When is it beneficial for a company to use a Spot Instance?

- A. When there is flexibility in when an application needs to run.
- B. When there are mission-critical workloads.
- C. When dedicated capacity is needed.
- D. When an instance should not be stopped.

**Answer:** A

**Explanation:**

The key to understanding spot instances is to look at the way that cloud service providers such as Amazon Web Services (AWS) operate. Cloud service providers invest in hardware resources and then release those resources (often on a per-hour basis) to subscribers. One of the problems with this

business model, however, is that at any given time, there are likely to be compute resources that are not being utilized. These resources represent hardware capacity that AWS has paid for but are sitting idle, and not making AWS any money at the moment.

Rather than allowing these computing resources to go to waste, AWS offers them at a substantially discounted rate, with the understanding that if someone needs those resources for running a normal EC2 instance, that instance will take priority over spot instances that are using the hardware resources at a discounted rate. In fact, spot instances will be stopped if the resources are needed elsewhere.

Reference: <https://awsinsider.net/articles/2017/09/25/aws-spot-instances-primer.aspx>

255.Which scenarios represent the concept of elasticity on AWS? (Choose two.)

- A. Scaling the number of Amazon EC2 instances based on traffic.
- B. Resizing Amazon RDS instances as business needs change.
- C. Automatically directing traffic to less-utilized Amazon EC2 instances.
- D. Using AWS compliance documents to accelerate the compliance process.
- E. Having the ability to create and govern environments using code.

**Answer:** A,B

**Explanation:**

Reference: <https://wa.aws.amazon.com/wat.concept.elasticity.en.html>

256.A company wants to try a third party ecommerce solution before deciding to use it long term. Which AWS service or tool will support this effort?

- A. AWS Marketplace
- B. AWS Partner Network (APN)
- C. AWS Managed Services
- D. AWS Service Catalog

**Answer:** A

257.Which of the following are benefits of AWS Global Accelerator? (Select TWO)

- A. Reduced cost to run services on AWS
- B. Improved availability of applications deployed on AWS
- C. Higher durability of data stored on AWS
- D. Decreased latency to reach applications deployed on AWS
- E. Higher security of data stored on AWS

**Answer:** B,D

258.Within the AWS Shared responsibility model, who is responsible for security and compliance?

- A. The customer is responsible
- B. AWS is responsible
- C. AWS and the customer share responsibility
- D. AWS shares responsibility with the relevant governing body

**Answer:** C

259.Which AWS service helps users meet contractual and regulatory compliance requirements for data security by using dedicated hardware appliances within the AWS Cloud?

- A. AWS Secrets Manager
- B. AWS CloudHSM
- C. AWS Key Management Service (AWS KMS),
- D. AWS Directory Service

**Answer: B**

260. How can a company isolate the costs of production and non-production workloads on AWS?

- A. Create identity and Access Management (IAM) roles for production and non-production workloads
- B. Use different accounts for production and non-production expenses.
- C. Use Amazon EC2 for non-production workloads and other services for production workloads.
- D. Use Amazon CloudWatch to monitor the use of services

**Answer: B**

261. Which of the following services provides on-demand access to AWS compliance reports?

- A. AWS IAM
- B. AWS Artifact
- C. Amazon GuardDuty
- D. AWS KMS

**Answer: B**

**Explanation:**

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

Reference: <https://aws.amazon.com/artifact/>

262. Which service can be used to monitor and receive alerts for AWS account root user AWS Management Console sign-in events?

- A. Amazon CloudWatch
- B. AWS Config
- C. AWS Trusted Advisor
- D. AWS IAM

**Answer: A**

263. What is the purpose of AWS Storage Gateway?

- A. it ensures on-premises data storage is 99.999999999% durable.
- B. It transports petabytes of data to and from AWS.
- C. It connects to multiple Amazon EC2 instances.
- D. it connects on-premises data storage to the AWS Cloud

**Answer: D**

264. Which of the following acts as a virtual firewall at the Amazon EC2 instance level to control traffic for one or more instances?

- A. Access keys
- B. Virtual private gateways
- C. Security groups
- D. Access Control Lists (ACL)

**Answer: C**

265. What are the multiple, isolated locations within an AWS Region that are connected by low-latency networks called?

- A. AWS Direct Connects
- B. Amazon VPCs
- C. Edge locations
- D. Availability Zones

**Answer: D**

**Explanation:**

Each Region is completely independent. Each Availability Zone is isolated, but the Availability Zones in a Region are connected through low-latency links. A Local Zone is an AWS infrastructure deployment that places select services closer to your end users. A Local Zone is an extension of a Region that is in a different location from your Region. It provides a high-bandwidth backbone to the AWS infrastructure and is ideal for latency-sensitive applications, for example machine learning.

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

266. Which method helps to optimize costs for users moving to the AWS Cloud?

- A. Paying only for what is used
- B. Purchasing hardware before it is needed
- C. Manually provisioning cloud resources
- D. Purchasing for the maximum possible load

**Answer: A**

267. As part of the AWS shared responsibility model, which of the following operational controls do users fully inherit from AWS?

- A. Security management of data center
- B. Patch management
- C. Configuration management
- D. User and access management

**Answer: D**

**Explanation:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

268. Under the AWS shared responsibility model, AWS is responsible for what combination of the following? (Select TWO)

- A. Configuring network ACLS

- B. Managing physical access to AWS data centers
- C. Setting and maintaining Amazon S3 access permissions.
- D. Updating Amazon EC2 security groups
- E. Maintaining the hardware that constitutes the cloud

**Answer:** B,E

269.Which AWS service provides on demand downloads of AWS security and compliance documentation?

- A. AWS Directory Service
- B. AWS Artifact
- C. AWS Trusted Advisor
- D. Amazon Inspector

**Answer:** B

270.What are the benefits of using the AWS Cloud for companies with customers in many countries around the world? (Select TWO.)

- A. Companies can deploy applications in multiple AWS Regions to reduce latency.
- B. Amazon Translate automatically translates third-party website interfaces into multiple languages
- C. Amazon CloudFront has multiple edge locations around the world to reduce latency
- D. Amazon Comprehend allows users to build applications that can respond to user requests in many languages.
- E. Elastic Load Balancing can distribute application web traffic to multiple AWS Regions around the world, which reduces latency

**Answer:** A,C

271.Where can users find a catalog of AWS-recognized providers of third-party security solutions?

- A. AWS Service Catalog
- B. AWS Marketplace
- C. AWS Quick Start OD
- D. AWS CodeDeploy

**Answer:** A

272.A company operating in the AWS Cloud requires separate invoices for specific environments, such as development, testing, and production.

How can this be achieved? OA. Use multiple AWS accounts.

- A. Use resource tagging
- B. Use multiple VPCs.
- C. Use Cost Explorer

**Answer:** A

273.Which of the following describes the relationships among AWS Regions, Availability Zones, and edge locations? (Select TWO)

- A. There are more AWS Regions than Availability Zones
- B. There are more edge locations than AWS Regions

- C. An edge location is an Availability Zone
- D. There are more AWS Regions than edge locations
- E. There are more Availability Zones than AWS Regions

**Answer:** B,E

274. Which AWS services can be used to provide network connectivity between an on-premises network and a VPC? (Select TWO.)

- A. Amazon Route 53
- B. AWS Direct Connect
- C. AWS Data Pipeline AWS VPN
- D. Amazon Connect

**Answer:** B

275. Which of the following are benefits of using AWS Trusted Advisor? (Select TWO.)

- A. Providing high-performance container orchestration
- B. Creating and rotating encryption keys
- C. Detecting underutilized resources to save costs
- D. Improving security by proactively monitoring the AWS environment
- E. Implementing enforced tagging across AWS resources

**Answer:** C,D

276. Which AWS service allows users to download security and compliance reports about the AWS infrastructure on demand?

- A. Amazon GuardDuty
- B. AWS Security Hub
- C. AWS Artifact
- D. AWS Shield

**Answer:** B

277. What does the Amazon S3 Intelligent-Tiering storage class offer?

- A. Payment flexibility by reserving storage capacity
- B. Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume
- C. Automatic cost savings by moving objects between tiers based on access pattern changes
- D. Secure, durable, and lowest cost storage for data archival

**Answer:** C

278. Which AWS service or feature can be used to monitor CPU usage?

- A. AWS CloudTrail
- B. VPC Flow Logs
- C. Amazon CloudWatch
- D. AWS Config

**Answer:** C

**Explanation:**

Amazon CloudWatch is a monitoring service for AWS cloud resources and the applications you run on AWS. You can use Amazon CloudWatch to collect and track metrics, collect and monitor log files, and set alarms.

279. A company is releasing a business-critical application. Before the release, the company needs strategic planning assistance from AWS. During the release, it needs infrastructure event management and real-time support.

How can these requirements be met?

- A. Access AWS Trusted Advisor
- B. Contact the AWS Partner Network (APN).
- C. Sign up for AWS Enterprise Support
- D. Contact AWS Professional Services

**Answer: D**

280. Under the AWS shared responsibility model, which of the following is a customer responsibility?

- A. Installing security patches for the Xen and KVM hypervisors
- B. Installing operating system patches for Amazon DynamoDB
- C. Installing operating system security patches for Amazon EC2 database
- D. Installing operating system security patches for Amazon RDS database instances

**Answer: C**

281. The ability to horizontally scale Amazon EC2 instances based on demand is an example of which concept in the AWS Cloud value proposition?

- A. Economy of scale
- B. Elasticity
- C. High availability
- D. Agility

**Answer: B**

282. Which of the following can be used as a second factor within the AWS Management Console for AWS Multi-Factor Authentication (AWS MFA)?

- A. AWS IAM password
- B. AWS Certificate Manager certificate
- C. U2F security key token
- D. Access key or secret key

**Answer: C**

283. A company has multiple AWS accounts within AWS Organizations and wants to apply the Amazon EC2 Reserved instances benefit to a single account only.

Which action should be taken?

- A. Purchase the Reserved Instances from the master payer account and turn off Reserved Instance sharing.
- B. Enable billing alerts in the AWS Billing and Cost Management console.

- C. Purchase the Reserved instances in individual linked accounts and turn off Reserved Instance sharing from the payer level
- D. Enable Reserved Instance sharing in the AWS Billing and Cost Management console

**Answer: C**

284. When a company provisions web servers in multiple AWS Regions, what is being increased?

- A. Coupling
- B. Availability
- C. Security
- D. Durability

**Answer: B**

285. CORRECT TEXT

Which AWS tool is used to compare the cost of running an application on-premises to running the application in the AWS Cloud?

- A. AWS Trusted Advisor
- B. AWS Simple Monthly Calculator
- C. AWS Total Cost of Ownership (TCO) Calculator
- D. Cost Explorer

**Answer: C**

286. What does the AWS Simple Monthly Calculator do?

- A. Compares on-premises costs to colocation environments
- B. Estimates monthly billing based on projected usage
- C. Estimates power consumption at existing data centers
- D. Estimates CPU utilization

**Answer: B**

287. Which AWS Support plan offers access to self-paced labs?

- A. Business Support
- B. Enterprise Support
- C. Basic Support
- D. Developer Support

**Answer: B**

288. A Cloud Practitioner needs a consistent and dedicated connection between AWS resources and an on-premises system

Which AWS service can fulfill this requirement?

- A. AWS Direct Connect
- B. AWS VPN
- C. Amazon Connect
- D. AWS Data Pipeline

**Answer: C**

289. Which AWS service handles the deployment details of capacity provisioning, load balancing, Auto Scaling, and application health monitoring?

- A. AWS Config
- B.
- C. Amazon Route 53
- D. Amazon CloudFront

**Answer: B**

290. Which service is an AWS-managed Hadoop framework that makes it easy, fast, and cost-effective to process large amounts of data across dynamically scalable Amazon EC2 instances?

- A. Amazon EMR
- B. Amazon EC2
- C. AWS Elastic Beanstalk
- D. Amazon Redshift

**Answer: A**

291. What should users do if they want to install an application in geographically isolated locations?

- A. Install the application using multiple internet gateways.
- B. Deploy the application to an Amazon VPC.
- C. Deploy the application to multiple AWS Regions
- D. Configure the application using multiple NAT gateways

**Answer: C**

292. Which of the following can a customer use to enable single sign-on (SSO) to the AWS Console?

- A. Amazon Connect
- B. AWS Directory Service
- C. Amazon Pinpoint
- D. Amazon Rekognition

**Answer: A**

**Explanation:**

Single sign-on only works when used on a computer that is joined to the AWS Directory Service directory. It cannot be used on computers that are not joined to the directory.

Reference:

[https://docs.aws.amazon.com/directoryservice/latest/admin-guide/ms\\_ad\\_single\\_sign\\_on.html](https://docs.aws.amazon.com/directoryservice/latest/admin-guide/ms_ad_single_sign_on.html)

293. Which AWS service makes it easy to create and manage AWS users and groups, and provide them with secure access to AWS resources at no charge?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Identity and Access Management (IAM)
- D. AWS Firewall Manager

**Answer: C**

294. The AWS Trusted Advisor checks include recommendations regarding which of the following? (Select

TWO.)

- A. Information on Amazon S3 bucket permissions
- B. AWS service outages
- C. Multi-factor authentication enabled on the AWS account root user
- D. Available software patches
- E. Number of users in the account

**Answer:** A,D

295.A company is planning to launch a new steady-state workload on AWS that must be accessible 24 hours a day, 7 days a week.

What is the MOST cost-effective Amazon EC2 pricing option?

- A. On-Demand Instances
- B. Spot Instances
- C. Reserved Instances
- D. Dedicated Hosts

**Answer:** A

296.When building a cloud Total Cost of Ownership (TCO) model, which cost elements should be considered for workloads running on AWS? (Select THREE.)

- A. Compute costs
- B. Facilities costs
- C. Storage costs
- D. Data transfer costs
- E. Network infrastructure costs
- F. Hardware lifecycle costs

**Answer:** A,C,E

297.What helps a company provide a lower latency experience to its users globally?

- A. Using an AWS Region that is central to all users
- B. Using a second Availability Zone in the AWS Region that is using used
- C. Enabling caching in the AWS Region that is being used
- D. Using edge locations to put content closer to all users

**Answer:** A

**Explanation:**

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

298.Which AWS service can be used to provide an on-demand, cloud-based contact center?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Support Center
- D. AWS Managed Services

**Answer:** C

299. A company has a compliance requirement to encrypt data in transit and at rest. The company is serving the content through Amazon EC2 instances behind an Elastic Load Balancer and is storing data in Amazon Elastic Block Store (Amazon EBS) volumes

Which combination of AWS services should the company use to stay compliant with this requirement?

(Select TWO)

- A. Amazon GuardDuty
- B. AWS Shield
- C. AWS Certificate Manager (ACM)
- D. AWS Secrets Manager
- E. AWS Key Management Service (AWS KMS)

**Answer:** D,E

300. Which of the following can be used to describe infrastructure as code in the AWS Clouds?

- A. AWS CLI
- B. AWS CloudFormation
- C. AWS CodeDeploy
- D. AWS Amplify

**Answer:** B

301. What AWS billing support resource is available to all support levels?

- A. AWS Support concierge
- B. AWS Customer Service
- C. AWS technical account manager
- D. AWS Business Support

**Answer:** B

302. A company has existing software licenses that it wants bring to AWS, but the licensing model requires licensing physical cores.

How can the company meet this requirement in the AWS cloud?

- A. Launch an Amazon EC2 instance with default tenancy
- B. Launch an Amazon EC2 instance on a Dedicated Host
- C. Create an On-Demand Capacity Reservation
- D. Purchase Dedicated Reserved Instances

**Answer:** A

303. A company is migrating from on-premises data centers to the AWS cloud and is looking for hands-on help with the project.

How can the company get this support? (Select TWO.)

- A. Ask for a quote from the AWS Marketplace team to perform a migration into the company's AWS accounts
- B. Contact AWS Support and open a case for assistance
- C. Use AWS professional services to provide and to set up and AWS Landing Zone in the company's AWS account
- D. Select a partner from the AWS Partner Network (APN) to assist with the migration.

E. Use Amazon Connect to create a new request for proposal (RFP) for export assistance in migrating to the AWS Cloud

**Answer:** B,D

304.Which AWS service or feature can be used to prevent SQL injection attacks?

- A. Security groups
- B. Network ACLs
- C. AWS WAF
- D. IAM policy

**Answer:** C

305.A company is considering migrating its applications to AWS. The company wants to compare the cost of running the workload on-premises to running the equivalent workload on the AWS platform.

Which tool can be used to perform this comparison?

- A. AWS Simple Monthly Calculator
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Billing and Cost Management console
- D. Cost Explorer

**Answer:** A

306.Which actions allow a company's security team to improve the security procedures for employees accessing AWS resources? (Select TWO)

- A. Create IAM users for groups of employees to share
- B. Create IAM policies based on least privilege principles
- C. Create IAM users in different Availability Zones
- D. Enable multi-factor authentication for privileged users
- E. Specify an individual IAM user for each Amazon EC2 instance

**Answer:** B,D

307.Which of the following identify and access management entitles is associated with an access key id and secret access key when using AWS command line interface?

- A. IAM group
- B. IAM user
- C. IAM role
- D. IAM policy

**Answer:** B

308.A cloud practitioner launched a blog hosted on AWS and needs to register a domain name for the blog.

Which AWS service will meet this requirement?

- A. Amazon Connect
- B. Amazon Route 53
- C. Amazon CloudFront
- D. AWS Global Accelerator

**Answer: A**

309.Which of the following acts as an instance-level firewall to control inbound and outbound access?

- A. Network access control list
- B. Security groups
- C. AWS Trusted Advisor
- D. Virtual private gateways

**Answer: B**

310.Which AWS services offer compute capabilities? (Select TWO.)

- A. Amazon EC2
- B. Amazon S3
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon Cognito
- E. AWS lambda

**Answer: A,E**

311.Which AWS service or feature allows a company to visualize, understand, and manage AWS costs and usage over time?

- A. AWS Budgets
- B. AWS Cost Explorer
- C. AWS Organizations
- D. Consolidated billing

**Answer: B**

**Explanation:**

AWS Cost Explorer has an easy-to-use interface that lets you visualize, understand, and manage your AWS costs and usage over time.

Reference: <https://aws.amazon.com/aws-cost-management/aws-cost-explorer/>

312.What is an advantage of using the AWS Cloud over a traditional on-premises solution?

- A. Users do not have to guess about future capacity needs.
- B. Users can utilize existing hardware contracts for purchases.
- C. Users can fix costs no matter what their traffic is.
- D. Users can avoid audits by using reports from AWS.

**Answer: A,C**

**Explanation:**

Reference: <https://data-flair.training/blogs/aws-advantages/>

313.Which managed AWS service provides real-time guidance on AWS security best practices?

- A. AWS X-Ray
- B. AWS Trusted Advisor
- C. Amazon CloudWatch
- D. AWS Systems Manager

**Answer: B**

**Explanation:**

AWS offers premium services such as AWS Trusted Advisor, which provides real-time guidance to help you reduce cost, increase performance, and improve security.

Reference: <https://www.ibm.com/downloads/cas/2N40X4PQ>

314. Which of the following technologies provides a secure network connection from on-premises to AWS?

- A. Virtual Private Network
- B. AWS Snowball
- C. Amazon Virtual Private Cloud (Amazon VPC)
- D. AWS Mobile Hub

**Answer:** A

315. Which AWS services offer compute capabilities?

- A. Amazon FC2
- B. Amazon S3
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon Cognito
- E. AWS Lambda

**Answer:** A,E

316. Which of the following are security best practices for using AWS Identity and Access Management (IAM)? (Select TWO)

- A. Use AWS account root user credentials for IAM tasks
- B. Rotate credentials regularly
- C. Do not remove credentials, even if they are never used
- D. Enable multi-factor authentication (MFA)
- E. Use inline policies instead of customer managed policies

**Answer:** A,B

317. When a company provisions web servers in multiple AWS regions, what is being increased?

- A. Coupting
- B. Availability
- C. Security
- D. Durability

**Answer:** B

318. A solutions architect needs to maintain a fleet of Amazon EC2 instances so that any impaired instances are replaced with new ones.

Which AWS service should the solutions architect use?

- A. Amazon Elastic Container Service (Amazon ECS)
- B. Amazon GuardDuty
- C. AWS Shield
- D. AWS Auto Scaling

**Answer: A**

319. According to the AWS shared responsibility model, which of the following are AWS responsibilities? (Select TWO.)

- A. Network infrastructure and virtualization of infrastructure
- B. Security of application data
- C. Guest operating systems
- D. Physical security of hardware
- E. Credentials and policies

**Answer: B,E**

320. The continual reduction of AWS Cloud pricing is due to:

- A. pay-as-you go pricing.
- B. the AWS global infrastructure.
- C. economies of scale.
- D. reserved storage pricing.

**Answer: C**

321. How does the AWS Enterprise Support Concierge team help users?

- A. Supporting application development
- B. Providing architecture guidance
- C. Answering billing and account inquiries
- D. Answering questions regarding technical support cases

**Answer: D**

322. Which feature of AWS Auto Scaling will forecast future traffic to schedule changes in the number of Amazon EC2 instances at the appropriate times?

- A. Scheduled scaling
- B. Predictive scaling
- C. Target tracking scaling
- D. Step scaling

**Answer: A**

323. Which AWS feature enables users to categorize and track their AWS costs?

- A. Cost Allocation Tags
- B. AWS Trusted Advisor
- C. AWS Price List API
- D. AWS Organizations

**Answer: B**

324. How can users protect against distributed denial of service (DDoS) attacks in the AWS Cloud?

- A. Use Amazon CloudWatch monitoring.
- B. Configure a firewall.
- C. Use Amazon Redshift

D. Monitor AWS CloudTrail logging

**Answer: B**

325. Which AWS service can be used to generate alerts based on an estimated monthly bill?

- A. AWS Config
- B. Amazon CloudWatch
- C. AWS X-Ray
- D. AWS CloudTrail

**Answer: B**

326. A company with an AWS Business Support plan wants to identify Amazon EC2 Reserved that are scheduled to expire.

Which AWS service or feature can the company use to accomplish this goal?

- A. AWS Personal Health Dashboard
- B. Elastic Load Balancing health checks
- C. AWS Trusted Advisor
- D. EC2 instance status checks

**Answer: C**

327. Under the AWS shared responsibility model, AWS is responsible for which security-related task?

- A. Lifecycle management of IAM credentials
- B. Physical security of global infrastructure
- C. Encryption of Amazon EBS volumes
- D. Firewall configuration

**Answer: B**

**Explanation:**

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

328. Which services manage and automate application deployment on AWS? (Select TWO.)

- A. AWS Elastic Beanstalk
- B. AWS CodeCommit
- C. AWS Data Pipeline
- D. AWS CloudFormation
- E. AWS Config

**Answer: B,C**

329. A company needs to track the activity in its AWS accounts, and needs to know when an API call is made against its AWS resources.

Which AWS tool or service can be used to meet these requirements?

- A. Amazon CloudWatch
- B. Amazon Inspector
- C. AWS CloudTrail
- D. AWS IAM

**Answer: C**

330.A company is required to store its data close to its primary users.

Which benefit of the AWS Cloud supports this requirement?

- A. Security
- B. High availability
- C. Elasticity
- D. Global footprint

**Answer: D**

331.Which Amazon EC2 pricing model provides the MOST cost savings for an always-up, right-sized database server running for a project that will last 1 year?

- A. On-Demand Instances
- B. Convertible Reserved Instances
- C. Spot Instances
- D. Standard Reserved Instances

**Answer: B**

332.Which requirement must be met for a member account to be unlinked from an AWS organization account?

- A. The linked account must be activity compliant with AWS System and Organization Controls (SOC)
- B. The payer and the linked account both create AWS Support cases to request that the member account be unlinked from the organization.
- C. The monitor account must meet the requirements of a standalone account.
- D. The payer account must be used to remove the linked account from the organization

**Answer: D**

333.Which AWS service or tool simplifies the creation, maintenance, validation, sharing and deployment of Linux or Windows Server templates for use with Amazon EC2 and on premises VMs?

- A. AWS CodePipeline
- B. Amazon EC2 Image Builder
- C. AWS CloudFormation
- D. Amazon EC2 Amazon Machine Image (AMI)

**Answer: B**

334.A company is deploying a machine learning (ML) research project that will require a lot of compute power over several months. The ML processing jobs do not need to run at specific times.

Which Amazon EC2 instance purchasing option will meet these requirements at the lowest cost?

- A. On-Demand Instances
- B. Spot Instances
- C. Reserved Instances
- D. Dedicated Instances

**Answer: A**

335.What is a benefit of loose coupling as a principle of cloud architecture design?

- A. It facilitates low-latency request handling.
- B. It allows applications to have dependent workflows.
- C. It prevents cascading failures between different components.
- D. It allows companies to focus on their physical data center operations.

**Answer: C**

**Explanation:**

IT systems should ideally be designed in a way that reduces inter-dependencies. Your components need to be loosely coupled to avoid changes or failure in one of the components from affecting others.

Your infrastructure also needs to have well defined interfaces that allow the various components to interact with each other only through specific, technology-agnostic interfaces. Modifying any underlying operations without affecting other components should be made possible.

Reference: <https://www.botmetric.com/blog/aws-cloud-architecture-design-principles/>

336.A cloud practitioner is developing a disaster recovery plan and intends to replicate data between multiple geographic areas.

Which of the following meets these requirements?

- A. AWS Accounts
- B. AWS Regions
- C. Availability Zones
- D. Edge locations

**Answer: B**

337.What is an AWS Cloud design best practice?

- A. Tight coupling of components
- B. Single point of failure
- C. High availability
- D. Overprovisioning of resources

**Answer: A**

**Explanation:**

Reference: [https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)

338.An external auditor has requested that a company provide a list of all its 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

**Answer: C**

339.According to the AWS shared responsibility model, which task is the customer's responsibility?

- A. Maintaining the infrastructure needed to run AWS Lambda

- B. Updating the operating system of Amazon DynamoDB instances
- C. Maintaining Amazon S3 infrastructure
- D. Updating the guest operating system on Amazon EC2 instances

**Answer:** D

340. What exclusive benefit is provided to users with Enterprise Support?

- A. Access to a Technical Project Manager
- B. Access to a Technical Account Manager
- C. Access to a Cloud Support Engineer
- D. Access to a Solutions Architect

**Answer:** C

**Explanation:**

Reference: <https://aws.amazon.com/premiumsupport/plans/enterprise/>

341. Which AWS Trusted Advisor check includes the verification of AWS CloudTrail logging?

- A. Performance
- B. Fault tolerance
- C. Security
- D. Service limits

**Answer:** A

342. A company wants to migrate a MySQL database to AWS but does not have the budget for Database Administrators to handle routine tasks including provisioning, patching, and performing backups? Which AWS service will support this use case?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon DocumentDB
- D. Amazon ElastiCache

**Answer:** B

343. A batch workload takes 5 hours to finish on an Amazon EC2 instance. The amount of data to be processed doubles monthly and the processing time is proportional.

What is the best cloud architecture to address this consistently growing demand?

- A. Run the application on a bigger EC2 instance size.
- B. Switch to an EC2 instance family that better matches batch requirements
- C. Distribute the application across multiple EC2 instances and run the workload in parallel.
- D. Run the application on a bare metal EC2 instance.

**Answer:** C

344. management?

- A. It is solely the responsibility of the customer.
- B. It is solely the responsibility of AWS.
- C. It is shared between AWS and the customer.
- D. It is not part of the AWS shared responsibility model.

**Answer: C**

**Explanation:**

AWS maintains the configuration of its infrastructure devices, but a customer is responsible for configuring their own guest operating systems, databases, and applications.

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

345. A company needs to transfer a large volume of data from an on-premises data center to the AWS Cloud. The company's internet connectivity is slow and unreliable .

Which AWS service can facilitate this data transfer?

- A. Amazon S3 Glacier
- B. AWS Snowball
- C. AWS Storage Gateway
- D. Amazon Elastic File System (Amazon EFS)

**Answer: B**

346. Which tool can be used to create alerts when the actual or forecasted cost of AWS services exceeds a certain threshold?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage Report
- D. AWS CloudTrail

**Answer: B**

347. Which AWS service can be used to retrieve compliance reports on demand?

- A. AWS Secrets Manager
- B. AWS Artifact
- C. AWS Security Hub
- D. AWS Certificate Manager

**Answer: B**

348. A company uses Amazon DynamoDB in its AWS Cloud architecture. According to the AWS shared responsibility model, which of the following are responsibilities of the company? (Select TWO)

- A. Operating system patching and upgrades
- B. Application of appropriate permissions with IAM tools
- C. Configuration of data encryption options
- D. Creation of DynamoDB endpoints
- E. Infrastructure provisioning and maintenance

**Answer: A,B**

349. A web application is hosted on AWS using an Elastic Load Balancer, multiple Amazon EC2 instances, and Amazon RDS.

Which security measures fall under the responsibility of AWS? (Select TWO.)

- A. Running a virus scan on EC2 instances
- B. Protecting against IP spoofing and packet sniffing

- C. Installing the latest security patches on the RDS instance
- D. Encrypting communication between the EC2 instances and the Elastic Load Balancer
- E. Configuring a security group and a network access control list (NACL) for EC2 instances

**Answer:** B,C

350.Which AWS service or component allows inbound traffic from the internet to access a VPC?

- A. Internet gateway
- B. NAT gateway
- C. AWS WAF
- D. VPC peering

**Answer:** A

351.A company recently deployed an Amazon RDS instance in its VPC. The company needs to implement a stateful firewall to limit traffic to the private corporate network.

Which AWS service or feature should the company use to limit network traffic directly to its RDS instance?

- A. Network ACL
- B. Security groups
- C. AWS WAF
- D. Amazon GuardDuty

**Answer:** A

352.which aws service allows users to provision infrastructure as code?

- A. AWS CodeBuild
- B. AWS CloudFormation
- C. AWS Organizations
- D. AWS CodeCommit

**Answer:** B

353.Which type of AWS infrastructure deployment puts AWS compute, storage database, and other select services closer to end users to run latency-sensitive applications?

- A. AWS Regions
- B. Availability Zones
- C. Local Zones
- D. Edge locations

**Answer:** C

354.A company is building a business intelligence solution and wants to use dashboards for reporting purposes.

Which AWS service can be used?

- A. Amazon Redshift
- B. Amazon Elasticsearch Service (Amazon ES)
- C. Amazon QuickSight
- D. Amazon Athena

**Answer:** C

355.Which of the following is Amazon Aurora compatible with? (Select TWO.)

- A. MySQL
- B. Microsoft SOL Server
- C. Oracle
- D. PostgreSQL
- E. MahaDB

**Answer:** A,D

356.Which AWS service or feature gives end users the ability to access AWS resources from any location by using an encrypted connection?

- A. Amazon CloudFront
- B. AWS Client VPN
- C. AWS Direct Connect
- D. AWS PrivateLink

**Answer:** A

357.Which task requires the use of AWS account root account user credentials?

- A. Closing an AWS account
- B. Creating a log file
- C. Modifying IAM user permissions
- D. Deleting IAM users

**Answer:** A

358.A company wants to allow full access to an Amazon S3 bucket for a particular user  
Which element in the S3 bucket policy holds the user details that describe who needs access to the S3 bucket?

- A. Principal
- B. Action
- C. Resource
- D. Statement

**Answer:** A

359.Which of the following are AWS compute services? (Select TWO.)

- A. Amazon Lightsail
- B. AWS Systems Manager
- C. AWS CloudFormation
- D. AWS Batch
- E. Amazon Inspector

**Answer:** A,D

360.Which AWS service or feature provides Information about ongoing or upcoming scheduled events that can affect an AWS account?

- A. AWS Config

- B. AWS Systems Manager
- C. AWS Personal Health Dashboard
- D. AWS Trusted Advisor

**Answer:** A

361. A company requires a dedicated network connection between its on-premises servers and the AWS Cloud.

Which AWS service should be used?

- A. AWS VPN
- B. AWS Direct Connect
- C. Amazon API Gateway
- D. Amazon Connect

**Answer:** B

**Explanation:**

Explanation

You can use AWS Direct Connect to establish a private virtual interface from your on-premise network directly to your Amazon VPC, providing you with a private, high bandwidth network connection between your network and your VPC. With multiple virtual interfaces, you can even establish private connectivity to multiple VPCs while maintaining network isolation.

Reference: <https://aws.amazon.com/directconnect/>

362. In which of the following is Amazon CloudFront content cached?

- A. Availability Zones
- B. Local Zones
- C. AWS Regions
- D. Edge locations

**Answer:** D

363. Which AWS service can a customer use to set up an alert notification when the account is approaching a particular dollar amount?

- A. AWS Cost and Usage reports
- B. AWS Budgets
- C. AWS Cost Explorer
- D. AWS Trusted Advisor

**Answer:** B

**Explanation:**

Reference: [https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html)

364. Which AWS service allows customers to purchase unused Amazon EC2 capacity at an often discounted rate?

- A. Reserved Instances
- B. On-Demand Instances
- C. Dedicated Instances

D. Spot Instances

**Answer:** D

365. Which features and benefits does the AWS Organizations provide? (Select TWO)

- A. Establishing real-time communications between members of an internal team
- B. Facilitating the use of NoSQL databases
- C. Providing automated security checks
- D. Implementing consolidated billing
- E. Enforcing the governance of AWS accounts

**Answer:** D,E

366. What does AWS Shield Standard provide?

- A. WAF rules
- B. DDoS protection
- C. Identity and Access Management (IAM) permissions and access to resources
- D. Data encryption

**Answer:** B

**Explanation:**

AWS Shield Standard provides protection for all AWS customers from common, most frequently occurring network and transport layer DDoS attacks that target your web site or application at no additional charge.

Reference: <https://aws.amazon.com/shield/pricing/>

367. The AWS IAM best practice for granting least privilege is to.

- A. apply an IAM policy to an IAM group and limit the size of the group.
- B. require multi-factor authentication (MFA) for all IAM users
- C. require each IAM user who has different permissions to have multiple passwords.
- D. apply an IAM policy only to IAM users who require it

**Answer:** A

368. Which AWS service enables users to securely connect to AWS resources over the public internet?

- A. Amazon VPC peering
- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon Pinpoint

**Answer:** B

369. What does the AWS Cloud provide to increase the speed and agility of execution for customers? (Select TWO.)

- A. Readily available resources with low provisioning times
- B. Scalable compute capacity
- C. Free Tier services usage
- D. Access to AWS data centers
- E. Lower resource provisioning cost

**Answer:** A,B

408.Which AWS service gives users the ability to treat their infrastructure as code?

- A. AWS CloudFormation
- B. AWSConfig
- C. AWS Control Tower
- D. Amazon API Gateway

**Answer:** A

370.What is the value of using third-party software from AWS Marketplace instead of installing third-party software on Amazon EC2? (Choose two.)

- A. Users pay for software by the hour or month depending on licensing.
- B. AWS Marketplace enables the user to launch applications with 1-Click.
- C. AWS Marketplace data encryption is managed by a third-party vendor.
- D. AWS Marketplace eliminates the need to upgrade to newer software versions.
- E. Users can deploy third-party software without testing.

**Answer:** A,B

**Explanation:**

Reference: <https://aws.amazon.com/partners/aws-marketplace/>

371.A user needs an automated security assessment report that will identify unintended network access to Amazon EC2 instances and vulnerabilities on those instances.

Which AWS service will provide this assessment report?

- A. EC2 security groups
- B. AWS Config
- C. Amazon Macie
- D. Amazon Inspector

**Answer:** D

**Explanation:**

Amazon Inspector is an automated security assessment service that helps improve the security and compliance of applications deployed on AWS. Amazon Inspector automatically assesses applications for exposure, vulnerabilities, and deviations from best practices. After performing an assessment, Amazon Inspector produces a detailed list of security findings prioritized by level of severity. These findings can be reviewed directly or as part of detailed assessment reports which are available via the Amazon Inspector console or API.

Reference: <https://aws.amazon.com/inspector/>

372.A Cloud Practitioner needs to store data for 7 years to meet regulatory requirements.

Which AWS service will meet this requirement at the LOWEST cost?

- A. Amazon S3
- B. AWS Snowball
- C. Amazon Redshift
- D. Amazon S3 Glacier

**Answer:** D

**Explanation:**

S3 Glacier Deep Archive is Amazon S3's lowest-cost storage class and supports long-term retention and digital preservation for data that may be accessed once or twice in a year. It is designed for customers — particularly those in highly-regulated industries, such as the Financial Services, Healthcare, and Public Sectors — that retain data sets for 7-10 years or longer to meet regulatory compliance requirements. S3 Glacier Deep Archive can also be used for backup and disaster recovery use cases, and is a cost-effective and easy-to-manage alternative to magnetic tape systems, whether they are on-premises libraries or off-premises services.

Reference: <https://aws.amazon.com/s3/storage-classes/>

373. where can user find a catalog of AWS recognized providers of third party security solutions?

- A. AWS Service Catalog
- B. AWS Marketplace
- C. AWS Quick Start
- D. AWS CodeDeploy

**Answer: B**

374. Which AWS Cloud best practice uses the elasticity and agility of cloud computing?

- A. Provision capacity based on past usage and theoretical peaks.
- B. Dynamically and predictively scale to meet usage demands.
- C. Build the application and infrastructure in a data center that grants physical access.
- D. Break apart the application into loosely coupled components.

**Answer: B**

375. A company needs to perform a one-time migration of 40 TB of data from its on-premises storage servers to Amazon S3. The transfer must happen as quickly as possible while keeping costs to a minimum. The company has 100 Mbps internet connectivity.

Which AWS service will meet these requirements?

- A. AWS Snowball
- B. AWS Direct Connect
- C. AWS Storage Gateway
- D. Amazon S3 Transfer Acceleration

**Answer: A**

376. Which AWS Cloud design principles can help increase reliability? (Select TWO.)

- A. Using monolithic architecture
- B. Measuring overall efficiency
- C. Testing recovery procedures
- D. Adopting a consumption model
- E. Automatically recovering from failure

**Answer: B,E**

377. A company needs 24/7 phone, email, and chat access, with a response time of less than 1 hour if a production system has a service interruption.

Which AWS Support plan meets these requirements at the LOWEST cost?

- A. Basic
- B. Developer
- C. Business
- D. Enterprise

**Answer: C**

378.How is asset management on AWS easier than asset management in a physical data center?

- A. AWS provides a Configuration Management Database that users can maintain.
- B. AWS performs infrastructure discovery scans on the customer's behalf.
- C. Amazon EC2 automatically generates an asset report and places it in the customer's specified Amazon S3 bucket.
- D. Users can gather asset metadata reliably with a few API calls.

**Answer: B**

**Explanation:**

AWS assets are centrally managed through an inventory management system that stores and tracks owner, location, status, maintenance, and descriptive information for AWS-owned assets. Following procurement, assets are scanned and tracked, and assets undergoing maintenance are checked and monitored for ownership, status, and resolution.

Reference: <https://aws.amazon.com/compliance/data-center/controls/>

379.What can be used to automate and manage secure, well-architected, multi-account AWS environments?

- A. AWS shared responsibility model
- B. AWS Control Tower
- C. AWS Security Hub
- D. AWS Well-Architected Tool

**Answer: A**

380.Fault tolerance refers to:

- A. the ability of an application to accommodate growth without changing design
- B. how well and how quickly an application's environment can have lost data restored
- C. how secure your application is
- D. the built-in redundancy of an applications components

**Answer: B**

381.What are the advantages of Reserved Instances? (Choose two.)

- A. They provide a discount over on-demand pricing.
- B. They provide access to additional instance types.
- C. They provide additional networking capability.
- D. Customers can upgrade instances as new types become available.
- E. Customers can reserve capacity in an Availability Zone.

**Answer: A,E**

**Explanation:**

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-basics/>

382.Which AWS support plan provides access to architectural and operational reviews as well as 24/7 access to senior cloud support engineers through email,online chat,and phone?

- A. Basic
- B. Business
- C. Developer
- D. Enterprise

**Answer: D**

383.A company is building distributed, loosely coupled applications. The company needs to publish messages from applications and immediately.

Which AWS service can the company use to meet these requirements?

- A. Amazon Simple Queue Service (Amazon SQS)
- B. Amazon Simple Notification Service (Amazon SNS)
- C. Amazon S3
- D. Amazon Simple Email Service (Amazon SES)

**Answer: A**

384.Under the AWS shared responsibility model, which of the following are customer responsibilities? (Select TWO.)

- A. Setting up server-side encryption on an Amazon S3 bucket
- B. Amazon RDS instance patching
- C. Network and firewall configurations
- D. Physical security of data center facilities
- E. Compute capacity availability

**Answer: A,C**

385.Which of the following IT tasks does AWS perform to offload a company's IT resource management responsibilities? (Select TWO.)

- A. Configuring operating system firewalls
- B. Setting up access controls for data
- C. Backing up databases
- D. Configuring database user accounts
- E. Installing operating systems

**Answer: C,E**

386.Which AWS services provides a quick and automated way to create and manage AWS accounts?

- A. AWS QuickSight
- B. Amazon Lightsail
- C. AWS Organizations
- D. Amazon Connect

**Answer: C**

387.A company is using Amazon Elastic Container Service (Amazon ECS) for a development

environment AWS is responsible for which Amazon ECS components? (Select TWO.)

- A. Network rules
- B. IAM
- C. Host platform
- D. Physical infrastructure
- E. Guest operating system

**Answer:** B,E

388.What is one of the core principles to follow when designing a highly available application in the AWS Cloud?

- A. Design using a serverless architecture.
- B. Assume that all components within an application can fail.
- C. Design AWS Auto Scaling into every application.
- D. Design all components using open-source code

**Answer:** B

389.Which AWS Cloud deployment model uses AWS Outposts as part of the application deployment infrastructure?

- A. On-premises
- B. Serverless
- C. Cloud-native
- D. Hybrid

**Answer:** D

390.Which of the following allows users to provision a dedicated network connection from their internal network to AWS?

- A. AWS CloudHSM
- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon Connect

**Answer:** B

**Explanation:**

AWS Direct Connect lets you establish a dedicated network connection between your network and one of the AWS Direct Connect locations. Using industry standard 802.1q VLANs, this dedicated connection can be partitioned into multiple virtual interfaces. This allows you to use the same connection to access public resources such as objects stored in Amazon S3 using public IP address space, and private resources such as Amazon EC2 instances running within an Amazon Virtual Private Cloud (VPC) using private IP space, while maintaining network separation between the public and private environments. Virtual interfaces can be reconfigured at any time to meet your changing needs.

Reference: <https://aws.amazon.com/directconnect/>

391.A user needs to automatically discover, classify, and protect sensitive data stored in Amazon S3. Which AWS service can meet these requirements?

- A. Amazon Inspector

- B. Amazon Macie
- C. Amazon GuardDuty
- D. AWS Secrets Manager

**Answer: B**

392. Which AWS services help to improve application performance by reducing latency while accessing content globally? (Select TWO.)

- A. Amazon CloudFront
- B. AWS VPN
- C. AWS Direct Connect
- D. AWS Global Accelerator
- E. Amazon S3 Glacier

**Answer: D**

393. Which AWS service enables users to deploy infrastructure as code by automating the process of provisioning resources?

- A. Amazon GameLift
- B. AWS CloudFormation
- C. AWS Data Pipeline
- D. AWS Glue

**Answer: B**

**Explanation:**

AWS CloudFormation provides a common language for you to model and provision AWS and third party application resources in your cloud environment. AWS CloudFormation allows you to use programming languages or a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts. This gives you a single source of truth for your AWS and third party resources.

Reference: <https://aws.amazon.com/cloudformation/>

394. A company needs a data store for highly transactional workloads. Which AWS service would meet this requirement?

- A. Amazon RDS
- B. Amazon Redshift
- C. Amazon S3
- D. Amazon S3 Glacier

**Answer: A**

395. Which of the following is a fully managed MySQL-compatible database?

- A. Amazon S3
- B. Amazon DynamoDB
- C. Amazon Redshift
- D. Amazon Aurora

**Answer: D**

396.A company wants to implement an automated security assessment of the scanty and network accessibility of its Amazon EC2 instances.

Which AWS service can be used To accomplish this?

- A. Amazon Inspector
- B. AWSConfig
- C. AWS Trusted Advisor
- D. Amazon GuardDuty

**Answer:** D

397.Which of the following AWS services provide compute resources? (Choose two.)

- A. AWS Lambda
- B. Amazon Elastic Container Service (Amazon ECS)
- C. AWS CodeDeploy
- D. Amazon Glacier
- E. AWS Organizations

**Answer:** A,B

**Explanation:**

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html>

398.Which are customer responsibilities when using Amazon EC2? (Select TWO.)

- A. Underlying hardware maintenance
- B. File-system-level encryption
- C. Guest operating system firewall configuration
- D. Hypervisor-level software patching
- E. Physical security at data center facilities

**Answer:** A,B

399.A company wants to ensure that AWS Management Console users are meeting password complexity requirements.

How can the company configure password complexity?

- A. Using an AWS IAM user policy
- B. Using an AWS Organizations service control policy (SCP)
- C. Using an AWS IAM account password policy
- D. Using an AWS Security Hub managed insight

**Answer:** B

400.A cloud practitioner needs an effective method to decrease application latency and increase performance for end users.

Which services will help?

- A. Amazon Elastic Container Service (Amazon ECS) for Kubernetes
- B. Amazon S3
- C. Amazon AppStream 2.0
- D. Amazon ElastiCache
- E. Amazon CloudFront

**Answer:** D,E

401.Which design principle should be considered when architecting in the AWS Cloud?

- A. Think of servers as non-disposable resources.
- B. Use synchronous integration of services.
- C. Design loosely coupled components
- D. Implement the least permissive rules for security groups

**Answer:** C

402.A company is building a new archiving system on AWS that will store terabytes of data. The company will NOT retrieve the data often.

Which Amazon S3 storage class will MINIMIZE the cost of the system?

- A. S3 Standard-Infrequent Access (S3 Standard-IA)
- B. S3 Glacier
- C. S3 Intelligent-Tiering
- D. S3 One Zone-Infrequent Access (S3 One Zone-IA)

**Answer:** B

403.A company wants to monitor the CPU usage of its Amazon EC2 resources.

Which AWS service should the company use?

- A. AWS CloudTrail
- B. Amazon CloudWatch
- C. AWS Cost and Usage report
- D. Amazon Simple Notification Service (Amazon SNS)

**Answer:** B

**Explanation:**

With Basic monitoring you get data on your cloudwatch metrics every 5 minutes. Enabling detailed monitoring, you will get the data every one minute.

To check if detailed monitoring is enabled, on your EC2 Console, Select the instance, on the lower pane, Select Monitoring.

Reference: <https://forums.aws.amazon.com/thread.jspa?threadID=263876>

404.A company needs to migrate its on-premises data to the AWS Cloud. The company requires elastic, highly optimized connectivity.

Which AWS service meets these requirements?

- A. Amazon S3 Glacier
- B. AWS Storage Gateway
- C. AWS Backup
- D. Amazon Elastic File System (Amazon EFS)

**Answer:** B

405.Using AWS Identity and Access Management (IAM) to grant access only to the resources needed to perform a task is a concept known as:

- A. restricted access.

- B. as-needed access.
- C. least privilege access.
- D. token access.

**Answer: C**

**Explanation:**

When you create IAM policies, follow the standard security advice of granting least privilege, or granting only the permissions required to perform a task. Determine what users (and roles) need to do and then craft policies that allow them to perform only those tasks.

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

406. A user needs to quickly deploy a nonrelational database on AWS. The user does not want to manage the underlying hardware or the database software.

Which AWS service can be used to accomplish this?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon Aurora
- D. Amazon Redshift

**Answer: B**

407. A Cloud Practitioner is asked how to estimate the cost of using a new application on AWS.

What is the MOST appropriate response?

- A. Inform the user that AWS pricing allows for on-demand pricing.
- B. Direct the user to the AWS Simple Monthly Calculator for an estimate.
- C. Use Amazon QuickSight to analyze current spending on-premises.
- D. Use Amazon AppStream 2.0 for real-time pricing analytics.

**Answer: B**

**Explanation:**

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/estimating-aws-resource-costs/>

408. Which design principles are enabled by the AWS cloud to improve the operation of workloads?

- A. Minimize upfront design
- B. Loose coupling
- C. Disposable resources
- D. Server design and concurrency
- E. Minimal viable product

**Answer: B,E**

409. Which AWS service enables users to identify the changes made to a resource over time?

- A. AWS CloudFormation
- B. AWS Config
- C. AWS Service Catalog
- D. AWS Identity and Access Management (IAM)

**Answer: A**

410.Which AWS service provides a report that enables users to assess AWS infrastructure compliance?

- A. AWS Certificate Manager (ACM)
- B. Amazon DocumentDB (with MongoDB compatibility)
- C. AWS Artifact
- D. AWS Trusted Advisor

**Answer:** A

411.Which security practices are the customer's responsibility under the AWS shared responsibility model?  
(Select TWO.)

- A. Rotation of IAM access keys
- B. Patching of Amazon RDS instances
- C. Physical access to a data center
- D. Encryption of Amazon Elastic Block Store (Amazon EBS) volumes
- E. Decommissioning of storage devices

**Answer:** C,E

412.Which tool can be used to compare the costs of running a web application in a traditional hosting environment to running it on AWS?

- A. AWS Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage report
- D. AWS Total Cost of Ownership (TCO) Calculator

**Answer:** D

**Explanation:**

Reference: <https://aws.amazon.com/tco-calculator/>

413.A company that does business online needs to quickly deliver new functionality in an iterative manner, minimizing the time to market.

Which AWS Cloud feature can provide this?

- A. Elasticity
- B. High availability
- C. Agility
- D. Reliability

**Answer:** C

414.Which architecture concept describes the ability to deploy resources on demand and release resources when they are no longer needed?

- A. High availability
- B. Decoupled architecture
- C. Resilience
- D. Elasticity

**Answer:** D

415.What does it mean to grant least privilege to AWS IAM users?

- A. It is granting permissions to a single user only.
- B. It is granting permissions using AWS IAM policies only.
- C. It is granting AdministratorAccess policy permissions to trustworthy users.
- D. It is granting only the permissions required to perform a given task.

**Answer:** D

**Explanation:**

When you create IAM policies, follow the standard security advice of granting least privilege, or granting only the permissions required to perform a task. Determine what users (and roles) need to do and then craft policies that allow them to perform only those tasks.

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html#grant-least-privilege>

416.Which AWS service will track user activity on AWS?

- A. Amazon GuardDuty
- B. AWS Trusted Advisor
- C. AWS CloudTrail
- D. Amazon CloudWatch

**Answer:** C

417.What is the MOST effective resource for staying up to date on AWS security announcements?

- A. AWS Personal Health Dashboard
- B. AWS Secrets Manager
- C. AWS Security Bulletins
- D. Amazon Inspector

**Answer:** C

418.Management at a large company wants to avoid long-term contracts and is interested in AWS to move from fixed costs to variable costs.

What is the value proposition of AWS for this company?

- A. Economy of scale
- B. Pay-as-you-go pricing
- C. Volume discounts
- D. Cost optimization

**Answer:** C

419.A company needs to migrate an existing on-premises database to the AWS Cloud. The company must be able to install custom software on the database instance.

Which AWS service can the company use to meet these requirements?

- A. Amazon DynamoDB
- B. Amazon RDS
- C. Amazon EC2
- D. Amazon Redshift

**Answer:** B

420. A user is running an application on AWS and notices that one or more AWS-owned IP addresses is involved in a distributed denial-of-service (DDoS) attack.

Who should the user contact FIRST about this situation?

- A. AWS Premium Support
- B. AWS Technical Account Manager
- C. AWS Solutions Architect
- D. AWS Abuse team

**Answer:** D

**Explanation:**

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>

421. A company has a managed IAM policy that does not grant the necessary permission for users to accomplish required tasks.

How can this be resolved?

- A. Enable AWS Shield Advanced
- B. Create a custom IAM policy
- C. Use a third party web application firewall (WAF) managed rule from the AWS Marketplace
- D. Use AWS Key Management Service (AWS KMS) to create a customer managed key

**Answer:** A

422. Which feature of the AWS Cloud can help minimize application downtime?

- A. Global reach
- B. High availability
- C. Elasticity
- D. Agility

**Answer:** B

423. What type of database is Amazon DynamoDB?

- A. In-memory
- B. Relational
- C. Key-value
- D. Graph

**Answer:** D

424. Under the AWS shared responsibility model, which of the following is a responsibility of AWS?

- A. Enabling server-side encryption for objects stored in S3
- B. Applying AWS IAM security policies
- C. Patching the operating system on an Amazon EC2 instance
- D. Applying updates to the hypervisor

**Answer:** D

425. A startup is working on a new application that needs to go to market quickly. The application requirements may need to be adjusted in the near future.

Which of the following is a characteristic of the AWS Cloud that would meet this specific need?

- A. Elasticity
- B. Reliability
- C. Performance
- D. Agility

**Answer: D**

**Explanation:**

Agile is a time boxed, iterative approach to software delivery that builds software incrementally from the start of the project, instead of trying to deliver it all at once near the end.

Reference: <http://www.agilenutshell.com>

426.A company is requesting Payment Card Industry (PCI) reports that validate the operating effectiveness of AWS security controls.

How should the company obtain these reports?

- A. Contact AWS Support.
- B. Download reports from AWS Artifact.
- C. Download reports from AWS Security Hub
- D. Contact an AWS technical account manager (TAM)

**Answer: B**

427.When comparing AWS with on-premises Total Cost of Ownership (TCO), what costs are included?

- A. Data center security
- B. Business analysis
- C. Project management
- D. Operating system administration

**Answer: A**

428.Which service provides a user the ability to warehouse data in the AWS Cloud?

- A. Amazon EFS
- B. Amazon Redshift
- C. Amazon RDS
- D. Amazon VPC

**Answer: B**

429.Which of the following is the customer's responsibility when using Amazon RDS?

- A. Patching the operating system of underlying hardware
- B. Controlling traffic to and from the database through security groups
- C. Running backups that enable point-in-time recovery of a DB instance
- D. Replacing failed DB instances

**Answer: B**

430.According to the AWS shared responsibility model, when using amazon RDS who is responsible for scheduling and performing backups?

- A. AWS is responsible for both tasks
- B. The customer is responsible for scheduling and AWS is responsible for performing backups

- C. The customer is responsible for both tasks
- D. AWS is responsible for scheduling and the user is responsible for performing backups

**Answer: A**

431.Which AWS service uses a combination of publishers and subscribers?

- A. AWS Lambda
- B. Amazon Simple Notification Service (Amazon SNS)
- C. Amazon CloudWatch
- D. AWS CloudFormation

**Answer: B**

432.A user has limited knowledge of AWS services, but wants to quickly deploy a scalable Node.js application in the AWS Cloud.

Which service should be used to deploy the application?

- A. AWS CloudFormation
- B. AWS Elastic Beanstalk
- C. Amazon EC2
- D. AWS OpsWorks

**Answer: B**

433.Which AWS service can be used to privately store and manage versions of source code?

- A. AWS CodeBuild
- B. AWS CodeCommit
- C. AWS CodePipeline
- D. AWS CodeStar

**Answer: B**

434.What is the best resource for a user to find compliance-related information and reports about AWS?

- A. AWS Artifact
- B. AWS Marketplace
- C. Amazon Inspector
- D. AWS Support

**Answer: A**

435.During a compliance review, one of the auditors requires a copy of the AWS SOC 2 report.

Which service should be used to submit this request?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. AWS Artifact
- D. Amazon S3

**Answer: C**

436.which tool is used to forecast AWS spending?

- A. AWS trusted Advisor

- B. AWS Organizations
- C. Cost Explorer
- D. Amazon Inspector

**Answer:** C

437. Under the AWS shared responsibility model, customers are responsible for which aspects of security in the cloud? (Choose two.)

- A. Visualization management
- B. Hardware management
- C. Encryption management
- D. Facilities management
- E. Firewall management

**Answer:** C,E

**Explanation:**

With the basic Cloud infrastructure secured and maintained by AWS, the responsibility for what goes into the cloud falls on you. This covers both client and server side encryption and network traffic protection, security of the operating system, network, and firewall configuration, followed by application security and identity and access management. Firewall configuration remains the responsibility of the end user, which integrates at the platform and application management level. For example, RDS utilizes security groups, which you would be responsible for configuring and implementing.

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

438. Which management service can be used to set alarms for AWS resources?

- A. Amazon CloudWatch
- B. Amazon Simple Notification Service (Amazon SNS)
- C. Amazon Simple Email Service (Amazon SES)
- D. AWS CloudTrail

**Answer:** A

439. AWS trusted advisor can monitor and provide advice on what characteristics of an AWS account?

- A. Compliance with security best practices
- B. Application performance
- C. Network utilization
- D. Cost optimization
- E. Compliance status

**Answer:** A,D

440. Which AWS service enables users to consolidate billing across multiple accounts?

- A. Amazon QuickSight
- B. AWS Organizations
- C. AWS Budgets
- D. Amazon Forecast

**Answer:** B

**Explanation:**

You can use the consolidated billing feature in AWS Organizations to consolidate billing and payment for multiple AWS accounts or multiple Amazon Internet Services Pvt. Ltd (AISPL) accounts. Every organization in AWS Organizations has a master (payer) account that pays the charges of all the member (linked) accounts.

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

441.Which AWS service should be used to monitor Amazon EC2 instances for CPU and network utilization?

- A. Amazon Inspector
- B. AWS CloudTrail
- C. Amazon CloudWatch
- D. AWS Config

**Answer: C**

442.Which AWS service provides the ability to quickly run one-time queries on data in Amazon S3?

- A. Amazon EMR
- B. Amazon DynamoDB
- C. Amazon Redshift
- D. Amazon Athena

**Answer: D**

443.A company previously lost data that was stored in an on-premises data center. To protect against future of data, the company wants to use AWS to automatically launch thousands of its machines in a fully provisioned state in minutes, in a format that supports data restoration.

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

- A. AWS Direct Connect
- B. AWS Storage Gateway
- C. Cloud Disaster Recovery
- D. AWS Backup

**Answer: C**

444.A company wants to ensure that two Amazon EC2 instances are in separate data centers with minimal communication latency between the data centers.

How can the company meet this requirement?

- A. Place the EC2 instances in two separate AWS Regions connected with a VPC peering connection.
- B. Place the EC2 instances in two separate Availability Zones within the same AWS Region.
- C. Place one EC2 instance on premises and the other in an AWS Region Then connect them by using an AWS VPN connection.
- D. Place both EC2 instances in a placement group for dedicated bandwidth.

**Answer: D**

445.Which AWS cloud architecture principle states that systems should reduce interdependences?

- A. Scalability
- B. Services not servers

- C. Removing single points of failure
- D. Loose coupling

**Answer:** D

446.Which architecture concept describes the ability to deploy resources on demand and release resources when they are no longer needed?

- A. High availability
- B. Decoupled architecture
- C. Resilience
- D. Elasticity

**Answer:** D

447.Which AWS service or feature natively provides an encrypted connection that can be used to move data from on premises infrastructure to the AWS Cloud?

- A. AWS Direct Connect
- B. VPC endpoint
- C. AWS VPN
- D. AWS PrivateLink

**Answer:** B

448.What is a responsibility of AWS in the shared responsibility model?

- A. Updating the network ACLs to block traffic to vulnerable ports.
- B. Patching operating systems running on Amazon EC2 instances.
- C. Updating the firmware on the underlying EC2 hosts.
- D. Updating the security group rules to block traffic to the vulnerable ports.

**Answer:** C

**Explanation:**

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

449.A company is building an application that needs to deliver images and videos globally with minimal latency.

Which approach can the company use to accomplish this in a cost effective manner?

- A. Deliver the content through Amazon CloudFront
- B. Store the content on Amazon S3 and enable S3 cross-region replication
- C. Implement a VPN across multiple AWS Regions.
- D. Deliver the content through AWS PrivateLink.

**Answer:** A

450.When comparing the total cost of ownership (TCO) of an on-premises infrastructure to a cloud architecture, what costs should be considered? (Choose two.)

- A. The credit card processing fees for application transactions in the cloud.
- B. The cost of purchasing and installing server hardware in the on-premises data.
- C. The cost of administering the infrastructure, including operating system and software installations, patches, backups, and recovering from failures.

- D. The costs of third-party penetration testing.
- E. The advertising costs associated with an ongoing enterprise-wide campaign.

**Answer:** B,C

**Explanation:**

Reference: <https://aws.amazon.com/tco-calculator/>

451.Which security-related task is the responsibility of the customer in the AWS cloud?

- A. Securing infrastructure at data centers
- B. Maintaining firewall configurations at a hardware level
- C. Maintaining networking among hardware components
- D. Maintaining server side encryption

**Answer:** D

452.Which AWS service can be used to run Amazon EC2 instances on-premises at a user site?

- A. AWS Snowball Edge
- B. Amazon CloudFront
- C. Lambda@Edge
- D. AWS Lambda

**Answer:** B

453.A company wants to enhance security by launching a third-party ISP intrusion detection system from its AWS account.

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

- A. AWS Security Hub
- B. AWS Marketplace
- C. AWS Quick Starts
- D. AWS Security Center

**Answer:** D

454.A company uses Amazon EC2 infrastructure to host steady-state workloads and needs to achieve significant cost savings.

Which EC2 instance pricing model should the company select?

- A. Reserved Instances
- B. On Demand Instances
- C. Spot Instances
- D. Dedicated Hosts

**Answer:** A

455.A user needs to import 100 TB of video files into Amazon S3. The user has estimated that it will take months to move the files over an on-premises internet connection.

Which AWS service can be used to improve the data transport time?

- A. Amazon S3 Transfer Accelerator
- B. AWS Snowball
- C. AWS Storage Gateway

D. AWS DataSync

**Answer: B**

456. Which AWS service needs to be enabled to track all user account changes within the AWS Management Console?

- A. AWS CloudTrail
- B. Amazon Simple Notification Service (Amazon SNS)
- C. VPC Flow Logs
- D. AWS CloudHSM

**Answer: A**

**Explanation:**

Explanation

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. With CloudTrail, you can log, continuously monitor, and retain account activity related to actions across your AWS infrastructure. CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, command line tools, and other AWS services. This event history simplifies security analysis, resource change tracking, and troubleshooting. In addition, you can use CloudTrail to detect unusual activity in your AWS accounts. These capabilities help simplify operational analysis and troubleshooting.

Reference: <https://aws.amazon.com/cloudtrail/>

457. A company wants an in-memory data store that is compatible with open source in the cloud. Which AWS service should the company use?

- A. Amazon DynamoDB
- B. Amazon ElastiCache
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon Redshift

**Answer: B**

458. Which AWS service provides the capability to view end-to-end performance metrics and troubleshoot distributed applications?

- A. AWS Cloud9
- B. AWS CodeStar
- C. AWS Cloud Map
- D. AWS X-Ray

**Answer: D**

459. Which AWS service provides the ability to detect inadvertent data leaks of personally identifiable information (PII) and user credential data?

- A. Amazon GuardDuty
- B. Amazon Inspector
- C. Amazon Macie
- D. AWS Shield

**Answer: C**

460. An architect design includes Amazon EC2, an Elastic Load Balancer, and Amazon RDS.

What is the BEST way to get a monthly cost estimation for this architecture?

- A. Open an AWS Support case, provide the architecture proposal, and ask for a monthly cost estimation.
- B. Use the published prices of the AWS services and calculate the monthly estimate.
- C. Use the AWS Simple Monthly Calculator to estimate the monthly cost.
- D. Use the AWS Total Cost of Ownership (TCO) Calculator estimate the monthly cost.

**Answer: C**

461. A user is building a simple online calculator and wants to use AWS compute as cost-effectively as possible. The calculator must be highly available for even a small number of users.

Where should the code for calculations be hosted?

- A. On an Amazon EC2 Memory Optimized Reserved Instance
- B. On an Amazon EC2 Compute Optimized Reserved Instance
- C. On an Amazon EC2 Compute Optimized Spot Instance
- D. In an AWS Lambda function

**Answer: D**

462. What AWS service would be used to centrally manage AWS access across multiple accounts?

- A. AWS Service Catalog
- B. AWS Config
- C. AWS Trusted Advisor
- D. AWS Organizations

**Answer: D**

**Explanation:**

To improve control over your AWS environment, you can use AWS Organizations to create groups of accounts, and then attach policies to a group to ensure the correct policies are applied across the accounts without requiring custom scripts and manual processes.

Reference: <https://aws.amazon.com/organizations/>

463. A user has an AWS account with a Business-level AWS Support plan and needs assistance with handling a production service disruption.

Which action should the user take?

- A. Contact the dedicated AWS technical account manager (TAM)
- B. Contact the dedicated AWS Concierge Support team
- C. Open a business-critical system down support case
- D. Open a production system down support case

**Answer: C**

464. Which situation should be reported to the AWS abuse team?

- A. An Availability Zone has a service disruption.
- B. An intrusion attempt is made from an AWS IP address
- C. A user has trouble accessing an Amazon S3 bucket from an AWS IP address
- D. A user needs to change payment methods due to a compromise.

**Answer: B**

465. Which AWS service or feature can be used to monitor for potential disk write spikes on a system running on Amazon EC2?

- A. AWS CloudTrail
- B. AWS Personal Health Dashboard
- C. AWS Trusted Advisor
- D. Amazon CloudWatch

**Answer: D**

466. A user has underutilized on-premises resources. Which AWS Cloud concept can BEST address this issue?

- A. High availability
- B. Elasticity
- C. Security
- D. Loose coupling

**Answer: B**

467. When building a cloud total cost of ownership model which cost elements should be considered for workload running on AWS? (Select Three.)

- A. Compute costs
- B. Facilities costs
- C. Storage costs
- D. Data transfer costs
- E. Network infrastructure costs
- F. Hardware lifecycle costs

**Answer: A,C,E**

468. Which of the following can be used to identify a specific user who stopped an Amazon EC2 instance?

- A. AWS CloudTrail
- B. Amazon Inspector
- C. Amazon CloudWatch
- D. VPC Flow Logs

**Answer: A**

469. Which AWS service acts as a data extract transform and load (ETL) tool to make it easy to prepare data for analytics?

- A. Amazon QuickSight
- B. Amazon Athena
- C. AWS Glue
- D. AWS Elastic Beanstalk

**Answer: C**

470. Which AWS service will provide a way to generate encryption keys that can be used to

encrypt data? (Select TWO.)

- A. Amazon Macie
- B. AWS Certificate Manager
- C. AWS Key Management Service (AWS KMS)
- D. AWS Secrets Manager
- E. AWS CloudHSM

**Answer:** C,E

471.Which AWS service uses a combination of publishers and subscribers?

- A. AWS Lambda
- B. Amazon Simple Notification Service (Amazon SNS)
- C. Amazon CloudWatch
- D. AWS CloudFormation

**Answer:** B

472.AWS Budgets can be used to:

- A. prevent a given user from creating a resource
- B. send an alert when the utilization of Reserved Instances drops below a certain percentage.
- C. set resource limits in AWS accounts to prevent overspending
- D. split an AWS bill across multiple forms of payment.

**Answer:** C

473.Which Amazon Virtual Private Cloud (Amazon VPC) feature enables users to connect two VPCs together?

- A. Amazon VPC endpoints
- B. Amazon Elastic Compute Cloud (Amazon EC2) ClassicLink
- C. Amazon VPC peering
- D. AWS Direct Connect

**Answer:** C

**Explanation:**

A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them using private IPv4 addresses or IPv6 addresses. Instances in either VPC can communicate with each other as if they are within the same network. You can create a VPC peering connection between your own VPCs, or with a VPC in another AWS account. The VPCs can be in different regions (also known as an inter-region VPC peering connection).

Reference: <https://docs.aws.amazon.com/vpc/latest/peering/what-is-vpc-peering.html>

474.Which factor will have the MOST effect on cost?

- A. The selection of S3 storage tiers
- B. Charges to transfer existing data into Amazon S3
- C. The addition of S3 bucket policies
- D. S3 ingest fees for each request

**Answer:** A

475.A company has launched a product that requires private connectivity from an on-premises network to a VPC.

Which AWS service or functionality should the company use?

- A. AWS Direct Connect
- B. VPC peering
- C. NAT gateway
- D. Internal gateway

**Answer:** A

476.Which actions support the reliability pillar of the AWS Architected Framework? (Select TWO.)

- A. Enforce higher security specifically in regard to designed for failure.
- B. Ensure that backend components include multiple Availability Zone deployments.
- C. Avoid the use of automatic scaling to simplify the cloud architecture.
- D. Enable object versioning within Amazon S3 and replicating data to another AWS Region.
- E. Include an Application Load Balancer to distribute traffic to multiple Amazon EC2 instance in separate Availability Zones

**Answer:** B,D

477.under the AWS shared responsibility model the customer manages which of the following?

- A. Decommissioning of physical storage devices.
- B. Security group and ACL configuration
- C. Patch management of an Amazon RDS instance operating system
- D. Controlling physical access to data centers
- E. Patch management of an Amazon EC2 instance operating system

**Answer:** B,E

478.A user needs to demonstrate which AWS services are compliant with the Payment Card Industry Data Security Standard (PCI DSS).

Which AWS resource can be used to meet this requirement?

- A. AWS Artifact
- B. AWS Certificate Manager
- C. AWS Systems Manager
- D. AWS Secrets Manager

**Answer:** B

479.Which AWS service or tool should a company use to centrally request and track service limit increases?

- A. AWS Config
- B. Service Quotas
- C. AWS Service Catalog
- D. AWS Budgets

**Answer:** D

480.A company is building an application that requires the ability to send, 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)

**Answer:** A

481. Which AWS service offers on-demand access to AWS security and compliance reports?

- A. AWS CloudTrail
- B. AWS Artifact
- C. AWS Health
- D. Amazon CloudWatch

**Answer:** B

**Explanation:**

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

Reference: <https://aws.amazon.com/artifact/>

482. What does it mean if a user deploys a hybrid cloud architecture on AWS?

- A. All resources run using on-premises infrastructure.
- B. Some resources run on-premises and some run in a colocation center.
- C. All resources run in the AWS Cloud.
- D. Some resources run on-premises and some run in the AWS Cloud.

**Answer:** D

**Explanation:**

Reference: <https://aws.amazon.com/hybrid/>

483. Which AWS service is suitable for an event driven workload?

- A. Amazon EC2
- B. AWS Elastic Beanstalk
- C. AWS Lambda
- D. Amazon Lumberyard

**Answer:** B

484. Who is responsible for managing IAM user access and secret keys according to the AWS shared responsibility model?

- A. IAM access and secret keys are static, so there is no need to rotate them

- B. The customer is responsible for rotating keys.
- C. AWS will rotate the keys whenever required.
- D. The AWS Support team will rotate keys when requested by the customer.

**Answer: B**

485.A company is considering a migration from on premises to the AWS Cloud. The company's IT team needs to offload support of the workload.

What should the IT team do to accomplish this goal?

- A. Use AWS Managed Services to provision run and support the company in infrastructure
- B. Build hardware refreshes into the operational calendar to ensure availability
- C. Use Amazon Elastic Container Service (Amazon ECS) on Amazon EC2 instances
- D. Overprovision compute capacity for seasonal events and traffic spikes to prevent downtime

**Answer: A**

486.Which actions are the responsibility of AWS. according to the AWS shared responsibility model? (Select 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

**Answer: A,D**

487.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?

- A. Amazon RDS
- B. Amazon EC2
- C. Amazon DynamoDB
- D. Amazon Aurora

**Answer: B**

488.According to the AWS shared responsibility model, which of the following is the customer responsible for if they are using a managed service such as Amazon Relational Database Service (Amazon RDS)?

{Select TWO.}

- A. Operating system patching
- B. Setting up and managing network controls
- C. Managing platform-level identity and access management (IAM)
- D. Physical security of the data center
- E. Environmental controls

**Answer: B,E**

489.Which benefit of the AWS clouds supporting matching the supply of resources with changing workloads demands?

- A. Security
- B. Reliability
- C. Elasticity
- D. High availability

**Answer: C**

490. According to the AWS shared responsibility model, what is AWS responsible for?

- A. Configuring Amazon VPC
- B. Managing application code
- C. Maintaining application traffic
- D. Managing the network infrastructure

**Answer: D**

**Explanation:**

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

491. How can consolidated billing within AWS Organizations help lower overall monthly expenses?

- A. By providing a consolidated view of monthly billing across multiple accounts
- B. By pooling usage across multiple accounts to achieve a pricing tier discount
- C. By automating the creation of new accounts through APIs
- D. By leveraging service control policies (SCPs) for centralized service management

**Answer: D**

492. Which AWS service does AWS Snowball Edge natively support?

- A. AWS Server Migration Service (AWS SMS)
- B. Amazon Aurora
- C. AWS Trusted Advisor
- D. Amazon EC2

**Answer: A**

493. A company needs a storage solution that

- Is low-cost.
- Is for infrequently accessed data.
- Quickly accesses data when required.
- Does not require data to be resilient

Which Amazon S3 storage option should the company use?

- A. S3 Standard-Infrequent Access (S3 Standard-IA)
- B. S3 Standard
- C. S3 One Zone-Infrequent Access (S3 One Zone-IA)
- D. S3 Glacier

**Answer: A**

494. Which of the following allows AWS users to manage cost allocations for billing?

- A. Tagging resources
- B. Limiting who can create resources

- C. Adding a secondary payment method
- D. Running all operation on a single AWS account

**Answer: A**

495.Which AWS service facilitates transporting 50 GB of data from an on-premises data center to an Amazon S3 bucket without using a network connection?

- A. AWS Snowball
- B. AWS CodeDeploy
- C. AWS Backup
- D. AWS Direct Connect

**Answer: B**

496.What is an AWS cloud design best practice?

- A. Tight coupling of components
- B. Single point of failure
- C. High availability
- D. Overprovisioning of resources

**Answer: B**

497.A company's procurement department wants volume discounts on AWS services for the company, but numerous departments have separate AWS accounts.

Which AWS service or tool can the company use to receive volume discounts across multiple AWS accounts?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage Report
- D. AWS Organizations

**Answer: A**

498.Which of the following is a component of the AWS Global infrastructure?

- A. Amazon Alexa
- B. AWS Regions
- C. Amazon Lightsail
- D. AWS Organizations

**Answer: B**

499.According to the AWS shared responsibility model who is responsible for configuration?

- A. It is solely the responsible of the customer
- B. It is solely the responsibility of AWS
- C. It is shared between AWS and the customer
- D. It is not part of the AWS shared responsibility model

**Answer: B**

500.Why should a company choose AWS instead of a traditional data center?

- A. AWS provides users with full control over the underlying resources.
- B. AWS does not require long-term contracts and provides a pay-as-you-go model.
- C. AWS offers edge locations in every country, supporting global reach.
- D. AWS has no limits on the number of resources that can be created.

**Answer: B**

**Explanation:**

AWS offers you a pay-as-you-go approach for pricing for over 160 cloud services. With AWS you pay only for the individual services you need, for as long as you use them, and without requiring long-term contracts or complex licensing. AWS pricing is similar to how you pay for utilities like water and electricity. You only pay for the services you consume, and once you stop using them, there are no additional costs or termination fees.

Reference: <https://aws.amazon.com/pricing/>

501. A retail company has recently migrated its website to AWS. The company wants to ensure that it is protected from SQL injection attacks. The website uses an Application Load Balancer to distribute traffic to multiple Amazon EC2 instances

Which AWS service or feature can be used to create a custom rule that blocks SQL injection attacks?

- A. Security groups
- B. AWS WAF
- C. Network ACLs
- D. AWS Shield

**Answer: D**

502. Which AWS service provides recommendations for rightsizing AWS resources such as Amazon EC2 instances, Amazon Elastic Block Store (Amazon EBS) volumes and Amazon RDS databases to help users reduce costs?

- A. Amazon Inspector
- B. AWS Trusted Advisor
- C. AWS Service Health Dashboard
- D. Amazon Forecast

**Answer: B**

503. A company wants to build an application for a new line of business

According to the AWS Well-Architected Framework, what design principles should be implemented?

(Select TWO.)

- A. Consolidate multiple AWS accounts into a single account
- B. Buy and host hardware in the AWS Cloud.
- C. Decouple the AWS Cloud architecture to break up monolithic deployments.
- D. Move on-premises network hardware to VPCs.
- E. Design elasticity into the AWS Cloud design

**Answer: C,E**

504. A user wants to securely automate the management and rotation of 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 Secret Manager
- D. Server-side encryption

**Answer:** C

505. Which of the following AWS services can be used to run a self-managed database?

- A. Amazon Route 53
- B. AWS X-Ray
- C. AWS Snowmobile
- D. Amazon Elastic Compute Cloud (Amazon EC2)

**Answer:** D

**Explanation:**

Reference: <https://severalnines.com/news/aws-users-prefer-self-managed-databases>

506. Which services use AWS edge locations? (Choose two.)

- A. Amazon CloudFront
- B. AWS Shield
- C. Amazon EC2
- D. Amazon RDS
- E. Amazon ElastiCache

**Answer:** A,E

**Explanation:**

Reference: <https://www.edureka.co/community/600/what-is-an-edge-location-in-aws>

507. Which AWS service provides a secure, fast, and cost-effective way to migrate or transport exabyte-scale datasets into AWS?

- A. AWS Batch
- B. AWS Snowball
- C. AWS Migration Hub
- D. AWS Snowmobile

**Answer:** D

**Explanation:**

AWS Snowmobile is an exabyte-scale data transfer service that can move extremely large amounts of data to AWS in a fast, secure, and cost-effective manner. You can transfer up to 100PB per Snowmobile, a 45-foot long ruggedized shipping container, pulled by a semi-trailer truck. Snowmobile makes it easy to move massive volumes of data to the cloud, including video libraries, image repositories, or even a complete data center migration. All data is encrypted with 256-bit encryption and you can manage your encryption keys with AWS Key Management Service (AWS KMS). Snowmobile includes GPS tracking, alarm monitoring, 24/7 video surveillance and an optional escort security vehicle while in transit.

Reference:

<https://aws.amazon.com/about-aws/whats-new/2016/11/move-exabyte-scale-data-sets-with-aws-snowmobile/>

508. According to the AWS Well-Architected Framework, what change management steps should be taken to achieve reliability in the AWS Cloud? (Select TWO.)

- A. Use AWS Config to generate an inventory of AWS resources
- B. Use service limits to prevent users from creating or making changes to AWS resources.
- C. Use AWS CloudTrail to record AWS API calls into an auditable log file
- D. Use AWS Certificate Manager to whitelist approved AWS resources and services.
- E. Use Amazon GuardDuty to validate configuration changes made to AWS resources

**Answer:** B,E

509. A company wants to build a new architecture with AWS services. The company needs to compare service costs at various scales.

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

- A. AWS Compute Optimizer
- B. AWS Pricing Calculator
- C. AWS Trusted Advisor
- D. Cost Explorer rightsizing recommendations

**Answer:** B

510. Which Amazon S3 storage class allows users to store data backups for long periods of time at the LOWEST cost?

- A. S3 Standard -infrequent Access (S3 Standard IA)
- B. S3 Standard
- C. S3 Glacier
- D. S3 One Zone Infrequent Access (S3 One Zone IA)

**Answer:** C

511. Which of the following are benefits of hosting infrastructure in the AWS Cloud? (Choose two.)

- A. There are no upfront commitments.
- B. AWS manages all security in the cloud.
- C. Users have the ability to provision resources on demand.
- D. Users have access to free and unlimited storage.
- E. Users have control over the physical infrastructure.

**Answer:** B,C

512. Which AWS service should a company use to provision, manage, and deploy SSL/TLS certificates?

- A. AWS Secrets Manager
- B. Amazon Inspector
- C. AWS CodeDeploy
- D. AWS Certificate Manager (ACM)

**Answer:** D

513. Which AWS service or feature allows a user to set up consolidated billing?

- A. AWS Billing Management Console

- B. AWS Organizations
- C. AWS Cost and Usage Report
- D. AWS Systems Manager

**Answer: B**

514. Which AWS service can be used to turn text into lite-like speech?

- A. Amazon Polly
- B. Amazon Transcribe
- C. Amazon Rekognition
- D. Amazon Lex

**Answer: A**

515. Which of the following is an important architectural principle when designing cloud applications?

- A. Store data and backups in the same region.
- B. Design tightly coupled system components.
- C. Avoid multi-threading.
- D. Design for failure.

**Answer: D**

**Explanation:**

There are six design principles for operational excellence in the cloud:

Perform operations as code

Annotate documentation

Make frequent, small, reversible changes

Refine operations procedures frequently

Anticipate failure

Learn from all operational failures

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

516. Which AWS service provides business analytics that enable users to create and publish interactive dashboards?

- A. Amazon Kinesis
- B. Amazon CloudWatch
- C. AWS X Ray
- D. Amazon QuickSight

**Answer: D**

517. Which of the following is an example of how moving to the AWS Cloud reduces upfront cost?

- A. By replacing large variable costs with lower capital investments
- B. By replacing large capital investments with lower variable costs
- C. By allowing the provisioning of compute and storage at a fixed level to meet peak demand
- D. By replacing the repeated scaling of virtual servers with a simpler fixed-scale model

**Answer: B**

518. Which AWS service is designed to help users who want to use machine learning for natural language

processing (NLP) but do not have experience in machine learning?

- A. Amazon Comprehend
- B. Amazon SageMaker
- C. AWS Deep Learning AMIs (DLAMI)
- D. Amazon Rekognition

**Answer:** A

519.Which of the following are advantages of the AWS Cloud?

- A. AWS manages the maintenance of the cloud infrastructure.
- B. AWS manages the security of application built on AWS.
- C. AWS manages capacity planning for physical servers.
- D. AWS manages the development of applications on AWS.
- E. AWS manages cost planning for virtual servers.

**Answer:** A,C

520.Which AWS service can be used in the application deployment process?

- A. AWS AppSync
- B. AWS Batch
- C. AWSCodePipeline
- D. AWS DataSync

**Answer:** C

521.What will help a company perform a cost benefit analysis of migrating to the AWS Cloud?

- A. Cost Explorer
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Simple Monthly Calculator
- D. AWS Trusted Advisor

**Answer:** B

**Explanation:**

AWS TCO calculators allow you to estimate the cost savings when using AWS and provide a detailed set of reports that can be used in executive presentations. The calculators also give you the option to modify assumptions that best meet your business needs.

Reference: <https://aws.amazon.com/tco-calculator/>

522.Which pricing model will interrupt a running amazon EC2 instance if capacity becomes temporarily unavailable?

- A. on-Demand Instances
- B. Standard Reserved Instances
- C. Spot Instances
- D. Convertible Reserved Instances

**Answer:** C

523.A company is running a self-managed Oracle database directly on Amazon EC2 for its steady-state database. The company wants to reduce compute costs.

Which option should the company use to maximize savings over a 3-year term?

- A. EC2 Dedicated Instances
- B. EC2 Spot Instances
- C. EC2 Reserved Instances
- D. EC2 On-Demand Instances

**Answer: C**

524.A company learns that a user's API key has been exposed in a public code repository. The user has access to sensitive data.

What is the FIRST step the company should take to ensure the security of its data?

- A. Email the user to inform them of their mistake
- B. Create a new API key for the user in AWS Identity and Access Management (IAM).
- C. Review the API activity of the key in AWS CloudTrail.
- D. Deactivate the user's API key in AWS Identity and Access Management (IAM)

**Answer: D**

525.Under the AWS shared responsibility model, which of the following is the customer's responsibility?

- A. Patching guest OS and applications
- B. Patching and fixing flaws in the infrastructure
- C. Physical and environmental controls
- D. Configuration of AWS infrastructure devices

**Answer: B**

526.How should a web application be deployed to ensure high availability in the AWS Cloud?

- A. Deploy multiple instances of the application in multiple Availability Zones.
- B. Deploy multiple instances of the application in a single Availability Zone
- C. Deploy the application to a compute-optimized Amazon EC2 instance in a single Availability Zone.
- D. Deploy the application in one Amazon EC2 instance in an Auto Scaling group

**Answer: A**

527.Which AWS storage service is designed to transfer petabytes of data in and out of the cloud?

- A. AWS Storage Gateway
- B. Amazon S3 Glacier Deep Archive
- C. Amazon LightSail
- D. AWS Snowball

**Answer: D**

528.A user wants to transport data between AWS and an on-premises environment using a private network connection.

Which AWS service or feature can be used to meet these requirements?

- A. NAT gateway
- B. AWS Direct Connect
- C. Amazon VPC
- D. Internet gateway

**Answer: B**

529.Which AWS services provide a way to extend an on-premises architecture lo the AWS Cloud? (Select TWO)

- A. Amazon EBS
- B. AWS Direct Connect
- C. Amazon CloudFront
- D. AWS Storage Gateway
- E. Amazon Connect

**Answer: B,D**

530.Which feature adds elasticity to Amazon EC2 instances to handle the changing demand for workloads?

- A. Resource groups
- B. Lifecycle policies
- C. Application Load Balancer
- D. Amazon EC2 Auto Scaling

**Answer: D**

**Explanation:**

Support for monitoring the health of each service independently, as health checks are defined at the target group level and many CloudWatch metrics are reported at the target group level. Attaching a target group to an Auto Scaling group enables you to scale each service dynamically based on demand.

Reference: <https://docs.aws.amazon.com/elasticloadbalancing/latest/application/introduction.html>

531.A company has multiple AWS accounts and wants to simplify and consolidate its billing process. Which AWS service will achieve this?

- A. AWS Cost and Usage Reports
- B. AWS Organizations
- C. AWS Cost Explorer
- D. AWS Budgets

**Answer: B**

**Explanation:**

You can use the consolidated billing feature in AWS Organizations to consolidate billing and payment for multiple AWS accounts or multiple Amazon Internet Services Pvt. Ltd (AISPL) accounts. Every organization in AWS Organizations has a master (payer) account that pays the charges of all the member (linked) accounts.

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

532.What is one of the customer’s responsibilities according to the AWS shared responsibility model?

- A. Virtualization infrastructure
- B. Network infrastructure
- C. Application security
- D. Physical security of hardware

**Answer: C**

**Explanation:**

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

533. A system in the AWS Cloud is designed to withstand the failure of one or more components.

What is this an example of?

- A. Elasticity
- B. High Availability
- C. Scalability
- D. Agility

**Answer: B**

**Explanation:**

Reference: [https://wa.aws.amazon.com/wat.question.REL\\_7.en.html](https://wa.aws.amazon.com/wat.question.REL_7.en.html)

534. Which AWS service controls permissions to the AWS management console?

- A. Amazon Connect
- B. AWS IAM
- C. AWS Direct Connect
- D. Amazon Recognition

**Answer: B**

535. What are characteristics of AWS IAM users and groups? (Select TWO.)

- A. Groups can be nested and can contain other groups.
- B. A user can be a member of multiple groups.
- C. Groups can contain users only and cannot be nested.
- D. A user can only be a member of a single group at one time.
- E. All new users are automatically added to a default group.

**Answer: B,E**

536. Which AWS service does AWS Snow Edge natively support?

- A. AWS Server Migration Service (AWS SMS)
- B. Amazon Aurora
- C. AWS Trusted Advisor
- D. Amazon EC2

**Answer: D**

537. Under the AWS shared responsibility model, which task is the customer's responsibility when managing AWS Lambda functions?

- A. Creating versions of Lambda functions
- B. Maintaining server and operating systems
- C. Scaling Lambda resources according to demand
- D. Updating the Lambda runtime environment

**Answer: C**

538. A company needs to allocate AWS costs across three different departments running in a single VPC.

Each department has a number of Amazon EC2 instances dedicated to the applications that are specific to the given department.

How can the costs be allocated across the three departments?

- A. Have each department tag their resources, then run a cost allocation report.
- B. Create an AWS IAM account with billing access and use the AWS CLI to view EC2 instance use statistics.
- C. Enable billing alerts through Amazon CloudWatch
- D. Configure three VPCs. allocating one for each department

**Answer:** A

539. Which solution provides the FASTEST application response times to frequently accessed data to users in multiple AWS Regions?

- A. AWS CloudTrail across multiple Availability Zones
- B. Amazon CloudFront to edge locations
- C. AWS CloudFormation in multiple regions
- D. A virtual private gateway over AWS Direct Connect

**Answer:** B

**Explanation:**

You can deliver content and decrease end-user latency of your web application using Amazon CloudFront. CloudFront speeds up content delivery by leveraging its global network of data centers, known as edge locations, to reduce delivery time by caching your content close to your end users. CloudFront fetches your content from an origin, such as an Amazon S3 bucket, an Amazon EC2 instance, an Amazon Elastic Load Balancing load balancer or your own web server, when it's not already in an edge location. CloudFront can be used to deliver your entire website or application, including dynamic, static, streaming, and interactive content.

Reference: <https://aws.amazon.com/getting-started/tutorials/deliver-content-faster/>

540. Which are benefits of using Amazon RDS over Amazon EC2 when running relational databases on AWS? (Select TWO)

- A. Automated backups
- B. Schema management
- C. Indexing of tables
- D. Software patching
- E. Extract, transform, and load (ETL) management

**Answer:** A,D

541. Which service enables customers to audit and monitor changes in AWS resources?

- A. AWS Trusted Advisor
- B. Amazon GuardDuty
- C. Amazon Inspector
- D. AWS Config

**Answer:** D

**Explanation:**

AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS

resources. Config continuously monitors and records your AWS resource configurations and allows you to automate the evaluation of recorded configurations against desired configurations. With Config, you can review changes in configurations and relationships between AWS resources, dive into detailed resource configuration histories, and determine your overall compliance against the configurations specified in your internal guidelines. This enables you to simplify compliance auditing, security analysis, change management, and operational troubleshooting.

Reference: <https://aws.amazon.com/config/>

542. A user wants to optimize Amazon EC2 costs by performing which of the following tasks? (Select TWO)

- A. Implementing Auto Scaling group-, to add and remove instances based on demand
- B. Creating a policy to restrict IAM users from creating new instances
- C. Setting a budget to limit spending on EC2 instances using AWS Budgets
- D. Purchasing Reserved Instances
- E. Adding EC2 instances to a second AWS Region that is geographically close to the end users

**Answer:** A,D

543. Which AWS service enables users to create copies of resources across AWS Regions?

- A. Amazon ElastiCache
- B. AWS CloudFormation
- C. AWS CloudTrail
- D. AWS Systems Manager

**Answer:** B

544. A company wants to build its new application workloads in the AWS Cloud instead of using on-premises resources.

What expense can be reduced using the AWS Cloud?

- A. The cost of writing custom-built Java or Node .js code
- B. Penetration testing for security
- C. hardware required to support new applications
- D. Writing specific test cases for third-party applications.

**Answer:** C

**Explanation:**

Reference: <https://aws.amazon.com/pricing/cost-optimization/>

545. A company is considering moving its on-premises data center to AWS.

What factors should be included in doing a Total Cost of Ownership (TCO) analysis? (Choose two.)

- A. Amazon EC2 instance availability
- B. Power consumption of the data center
- C. Labor costs to replace old servers
- D. Application developer time
- E. Database engine capacity

**Answer:** B,C

546. Which AWS tools or services can be used to list all AWS Lambda functions running in an account?

- A. AWS CLI
- B. AWS CloudFormation
- C. AWS SDKs
- D. AWS CloudTrail
- E. Amazon Cloud Directory

**Answer:** A,C

547. which of the following acts as a virtual firewall at the amazon ec2 instance level to control traffic for one or more instance?

- A. Access keys
- B. Virtual private gateways
- C. Security groups
- D. Access Control Lists (ACL)

**Answer:** C

548. Which tasks require the use of the AWS account root user? (Select TWO)

- A. Launching a new Amazon EC2 instance
- B. Viewing AWS CloudTrail logs
- C. Contacting AWS Support
- D. Changing AWS Support plans
- E. Changing billing currency

**Answer:** B,E

549. A bank needs to store recordings of calls made to its contact center for 6 years. The recordings must be accessible within 48 hours from the time they are requested.

Which AWS service will provide a secure and cost-effective solution for retaining these files?

- A. Amazon DynamoDB
- B. Amazon S3 Glacier
- C. Amazon Connect
- D. Amazon ElastiCache

**Answer:** C

550. When comparing AWS with on-premises Total Cost of Ownership (TCO), what costs are included?

- A. Data center security
- B. Business analysis
- C. Project management
- D. Operating system administration

**Answer:** A

**Explanation:**

Reference: <https://www.awstccalculator.com/Output/Load/f85bbf7e131446643911859504>

551. Which AWS service enables risk auditing of an AWS account by tracking and recording user actions and source IP addresses?

- A. AWS X-Ray

- B. AWS Shield
- C. AWS Trusted Advisor
- D. AWS CloudTrail

**Answer: D**

552. When a user wants to utilize their existing per-socket per-core, or per-virtual machine software licenses for a Microsoft Windows server running on AWS, which Amazon EC2 instance type is required?

- A. Spot Instances
- B. Dedicated instances
- C. Dedicated Hosts
- D. Reserved Instances

**Answer: C**

553. Which design principles of the AWS Well-Architected Framework help increase reliability? (Select TWO.)

- A. Automatically recover from failure
- B. Enable traceability.
- C. Scale horizontally to increase workload availability.
- D. Automate security best practices
- E. Keep people away from data

**Answer: A,E**

554. Which Amazon EC2 pricing model should be used to comply with per core software license requirements?

- A. Dedicated Hosts
- B. On-Demand Instances
- C. Spot Instances
- D. Reserved Instances

**Answer: D**

555. A company needs to improve the response rate of high-volume queries to its relational database. Which AWS service should the company use to offload requests to the database and improve overall response times?

- A. Amazon DynamoDB Accelerator (DAX)
- B. Amazon ElastiCache
- C. Elastic Load Balancing
- D. AWS Global Accelerator

**Answer: D**

556. What tasks should a customer perform when that customer suspects an AWS account has been compromised? (Choose two.)

- A. Rotate passwords and access keys.
- B. Remove MFA tokens.
- C. Move resources to a different AWS Region.

- D. Delete AWS CloudTrail Resources.
- E. Contact AWS Support.

**Answer:** A,E

**Explanation:**

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/potential-account-compromise/>

557. A user wants to move legacy applications to the AWS Cloud to reduce the total cost.

Which option is the MOST cost-effective according to best practices?

- A. Rewrite the legacy applications in an open-source language, such as Python.
- B. Right-size the Amazon EC2 instances to prevent over-provisioning in terms of compute and memory.
- C. Migrate relational databases to Amazon DynamoDB
- D. Reserve a data center facility with an upfront payment, which provides an additional discount

**Answer:** B

558. Which of the following is an AWS Well-Architected Framework design principle related to reliability?

- A. Deployment to a single Availability Zone
- B. Ability to recover from failure
- C. Design for cost optimization
- D. Perform operations as code

**Answer:** B

**Explanation:**

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

559. Which aspect of AWS infrastructure enables global deployment of compute and storage?

- A. Availability Zones
- B. Regions
- C. Tags
- D. Resource groups

**Answer:** D

560. Which of the following are AWS Cloud security resources? (Select TWO.)

- A. Real-time vulnerability scans from Amazon Kinesis.
- B. AWS security solutions in the AWS Marketplace.
- C. Open-source penetration testing results available in Amazon Cognito.
- D. AWS whitepapers related to security best practices.
- E. Security analyses of README.md files within application repositories stored in AWS CodeCommit.

**Answer:** B,D

561. Which AWS service is a content delivery network that securely delivers data, video, and applications to users globally with low latency and high speeds?

- A. AWS CloudFormation
- B. AWS Direct Connect
- C. Amazon CloudFront
- D. Amazon Pinpoint

**Answer: C**

**Explanation:**

Amazon CloudFront is a fast content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to customers globally with low latency, high transfer speeds, all within a developer-friendly environment. CloudFront is integrated with AWS – both physical locations that are directly connected to the AWS global infrastructure, as well as other AWS services.

Reference: <https://aws.amazon.com/cloudfront/>

562. Which AWS services or features help decrease network latency for a globally dispersed user base? ( Select TWO.)

- A. Amazon VPC
- B. Elastic Load Balancer
- C. Amazon CloudFront
- D. AWS Direct Connect
- E. AWS Global Accelerator

**Answer: C,E**

563. Which Amazon RDS feature can be used to achieve high availability?

- A. Multiple Availability Zones
- B. Amazon Reserved Instances
- C. Provisioned IOPS storage
- D. Enhanced monitoring

**Answer: A**

**Explanation:**

Amazon RDS provides high availability and failover support for DB instances using Multi-AZ deployments. Amazon RDS uses several different technologies to provide failover support. Multi-AZ deployments for Oracle, PostgreSQL, MySQL, and MariaDB DB instances use Amazon's failover technology. SQL Server DB instances use SQL Server Database Mirroring (DBM).

Reference: <https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html>

564. A company has an AWS environment that consists of a VPC, multiple subnets, and many Amazon EC2 instances in the subnets. An engineer wants to restrict inbound traffic to one particular EC2 instance without affecting the other EC2 instances.

Which AWS service or feature should the engineer use to meet this requirement?

- A. Network ACLs
- B. Security groups
- C. Amazon GuardDuty
- D. AWS Shield

**Answer: A**

565. A security officer wants a list of any potential vulnerabilities in Amazon EC2 security groups.

Which AWS service should the officer use?

- A. Amazon GuardDuty
- B. AWS Trusted Advisor

C. AWS CloudTrail

D. AWS Artifact

**Answer: A**

566.What is the MINIMUM AWS Support plan that provides designated Technical Account Managers?

A. Enterprise

B. Business

C. Developer

D. Basic

**Answer: A**

**Explanation:**

Reference: <https://aws.amazon.com/premiumsupport/plans/>

567.Which AWS feature or service can be used to capture information about incoming and outgoing traffic in an AWS VPC infrastructure?

A. AWS Config

B. VPC Flow Logs

C. AWS Trusted Advisor

D. AWS CloudTrail

**Answer: B**

568.Which load balancer types are available with Elastic Load Balancing (ELB)? (Choose two.)

A. Public load balancers with AWS Application Auto Scaling capabilities

B. F5 Big-IP and Citrix NetScaler load balancers

C. Classic Load Balancers

D. Cross-zone load balancers with public and private IPs

E. Application Load Balancers

**Answer: A,E**

**Explanation:**

Elastic Load Balancing supports the following types of load balancers: Application Load Balancers, Network Load Balancers, and Classic Load Balancers. Amazon ECS services can use either type of load balancer. Application Load Balancers are used to route HTTP/HTTPS (or Layer 7) traffic. Network Load Balancers and Classic Load Balancers are used to route TCP (or Layer 4) traffic.

Reference: <https://docs.aws.amazon.com/AmazonECS/latest/developerguide/load-balancer-types.html>

569.Which of the following are benefits of using the AWS Cloud? (Select TWO)

A. 100% fault tolerance

B. Total control over underlying infrastructure

C. Fast provisioning of IT resources

D. Outsourcing all application coding to AWS

E. Ability to go global quickly

**Answer: A,B**

570.An Availability Zone consists of:

- A. one or more data centers in a single location.
- B. two or more data centers in multiple locations.
- C. one or more physical hosts in a single data center.
- D. two or more physical hosts in multiple data centers.

**Answer:** A

571.A user needs a relational database but does not have the resources to manage the hardware, resiliency, and replication.

Which AWS service option meets the user's requirements?

- A. Run MySQL on Amazon Elastic Container Service (Amazon ECS).
- B. Run MySQL on Amazon EC2.
- C. Choose Amazon RDS for MySQL.
- D. Choose Amazon ElastiCache for Redis.

**Answer:** C

572.Which AWS service or feature allows a user to establish a dedicated network connection between a company's on-premises data center and the AWS Cloud?

- A. AWS Direct Connect
- B. VPC peering
- C. AWS VPN
- D. Amazon Route 53

**Answer:** A

573.Which of the following is an advantage of using AWS?

- A. AWS audits user data.
- B. Data is automatically secure.
- C. There is no guessing on capacity needs.
- D. AWS manages compliance needs.

**Answer:** C

**Explanation:**

AWS manages dozens of compliance programs in its infrastructure. This means that segments of your compliance have already been completed.

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/security-and-compliance.html>

574.which AWS service is used t automate configuration management using Chef and puppet?

- A. AWS Config
- B. AWS OpsWorks
- C. AWS CloudFormation
- D. AWS Systems Manager

**Answer:** B

575.Which of the following should be considered when performing a Total Cost of Ownership (TCO) analysis?

- A. Currency fluctuations

- B. Data center overhead
- C. Data security model
- D. Network port utilization

**Answer: B**

576. An external auditor needs to verify the compliance and security of the AWS data center facilities where a company's data is stored.

How should this request be addressed?

- A. Create a support case using the AWS account root user credentials requesting that a concierge accompany the auditor to the facility.
- B. Contact an AWS technical account manager and request access to the next scheduled facility tour.
- C. Access the AWS Artifact portal and download the required reports to provide to the auditor.
- D. Access the AWS Artifact portal and create an access URL for the auditor to download the required reports,

**Answer: A**

577. A cloud practitioner needs to obtain AWS compliance reports before migrating an environment to the AWS Cloud.

How can these reports be generated?

- A. Contact the AWS Compliance team.
- B. Download the reports from AWS Artifact.
- C. Open a case with AWS Support.
- D. Generate the reports with Amazon Made.

**Answer: B**

578. Which AWS service identifies security groups that allow unrestricted access to a user's AWS resources?

- A. AWS CloudTrail
- B. AWS Trusted Advisor
- C. Amazon CloudWatch
- D. Amazon Inspector

**Answer: B**

579. An online retail company has seasonal sales spikes several times a year, primarily around holidays. Demand is lower at other times. The company finds it difficult to predict the increasing infrastructure demand for each season.

Which advantages of moving to the AWS Cloud would MOST benefit the company? (Select TWO)

- A. Global footprint
- B. Elasticity
- C. AWS service quotas
- D. AWS shared responsibility model
- E. Pay-as-you-go pricing

**Answer: B,E**

580. Which of the following services has a primarily encryption-related purpose?

- A. AWS Security Token Service (AWS STS)
- B. Amazon EMR
- C. AWS Key Management Service (AWS KMS)
- D. Amazon Macie

**Answer: C**

581. A company with a Developer-level AWS Support plan provisioned an Amazon RDS database and cannot to it.

Who should the developer contact for this level of support?

- A. AWS Support using a support case
- B. AWS Professional Services
- C. AWS Technical Account Manager
- D. AWS consulting partners

**Answer: A**

582. Which tool can be used to identify scheduled changes to the AWS infrastructure?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. Billing Dashboard
- D. AWS Config

**Answer: B**

583. A security engineer wants a single-tenant AWS solution to create, control, and manage their own cryptographic keys to meet regulatory compliance requirements for data security.

Which AWS service should the engineer use?

- A. AWS Key Management Service (AWS KMS)
- B. AWS Certificate Manager (ACM)
- C. AWS CloudHSM
- D. AWS Systems Manager

**Answer: C**

584. Which of the following is an AWS value proposition that describes a user's ability to scale infrastructure based on demand?

- A. Speed of innovation
- B. Resource elasticity
- C. Decoupled architecture
- D. Global deployment

**Answer: B**

585. Which of the following Amazon EC2 pricing models allows customers to use existing server-bound software licenses?

- A. Spot instances
- B. Reserved instances

- C. Dedicated Hosts
- D. On-Demand Instances

**Answer: D**

586.Which of the following services is a MySQL-compatible database that automatically grows storage as needed?

- A. Amazon Elastic Compute Cloud (Amazon EC2)
- B. Amazon Relational Database Service (Amazon RDS) for MySQL
- C. Amazon Lightsail
- D. Amazon Aurora

**Answer: D**

**Explanation:**

Amazon Aurora is a relational database service that combines the speed and availability of high-end commercial databases with the simplicity and cost-effectiveness of open source databases. The MySQL-compatible edition of Aurora delivers up to 5X the throughput of standard MySQL running on the same hardware, and enables existing MySQL applications and tools to run without requiring modification. Amazon Aurora will automatically grow the size of your database volume as your database storage needs grow. Your volume will grow in increments of 10 GB up to a maximum of 64 TB. You don't need to provision excess storage for your database to handle future growth.

Reference: <https://aws.amazon.com/rds/aurora/mysql-features/>

587.An application that runs on Amazon EC2 needs to accommodate a flexible workload that can run or terminate at any time of day.

Which pricing model will accommodate these requirements at the LOWEST cost?

- A. Spot Instances
- B. Reserved Instances
- C. On-Demand Instances
- D. Dedicated Host

**Answer: A**

588.When using Amazon RDS what is the customer responsible for?

- A. Patching and maintenance of the underlying operating system
- B. Managing automatic backups of the database
- C. Controlling network access through security groups
- D. Replacing failed instances in the event of a hardware failure

**Answer: C**

589.Which AWS service identifies security groups that allow unrestricted access to the AWS resources?

- A. AWS trusted Advisor
- B. Amazon Inspector
- C. Amazon CloudWatch
- D. AWS CloudTrail

**Answer: B**

590.What does Amazon CloudFront provide?

- A. Automatic scaling for all resources to power an application from a single unified interface
- B. Secure delivery of data, videos application. and APIs to users globally with low latency
- C. Ability to directly manage traffic globally through a variety of routing types, including latency-based routing, geo ONS. Geoproximity, and weighted round robin
- D. Automatic distribution of incoming application traffic across multiple targets, such as Amazon EC2 instances, containers. IP addresses, and AWS Lambda functions

**Answer:** A

591.What can a cloud practitioner use to retrieve AWS security and compliance documents and submit them as evidence to an auditor or regulator?

- A. AWS Certificate Manager
- B. AWS Systems Manager
- C. AWS Artifact
- D. Amazon Inspector

**Answer:** B

592.Which AWS service automatically handles application health monitoring?

- A. Amazon API Gateway
- B. AWS Elastic Beanstalk
- C. AWSLambda
- D. AWSConfig

**Answer:** D

593.To optimize costs and resource usage, a company needs to monitor the operations health of its entire system of AWS Cloud resources.

Which AWS service will meet these requirements?

- A. AWS Organizations
- B. Amazon CloudWatch
- C. AWS CloudTrail
- D. AWS Config

**Answer:** B

594.Which of the following deployment models enables customers to fully trade their capital IT expenses for operational expenses?

- A. On-premises
- B. Hybrid
- C. Cloud
- D. Platform as a service

**Answer:** C

**Explanation:**

The cloud allows you to trade capital expenses (such as data centers and physical servers) for variable expenses, and only pay for IT as you consume it. Plus, the variable expenses are much lower than what you would pay to do it yourself because of the economies of scale.

Reference: <https://aws.amazon.com/what-is-cloud-computing/>

595.Which cloud computing advantage is a company applying when it users in different countries ?

- A. Pay-as-you go pricing
- B. Capacity forecasting
- C. Economies of scale
- D. Global reach

**Answer: D**

596.Which AWS tool cant they use?

- A. AWS Trusted Advisor
- B. AWS Systems Manager
- C. AWS Config
- D. AWS Service Catalog

**Answer: A**

597.AWS trusted advisor provides recommendations on which of the following?

- A. Cost optimization
- B. Auditing
- C. Serverless architecture
- D. Performance
- E. Scalability

**Answer: A,D**

598.Which AWS service allows customers to purchase unused amazon EC2 capacity at an often discounted rate ?

- A. Reserved Instances
- B. On Demand Instances
- C. Dedicated Instances
- D. Spot Instances

**Answer: D**

599.A company has a MySQL database running on a single Amazon EC2 instance. The company now requires higher availability in the event of an outage.

Which set of tasks would meet this requirement?

- A. Add an Application Load Balancer in front of the EC2 instance
- B. Configure EC2 Auto Recovery to move the instance to another Availability Zone.
- C. Migrate to Amazon RDS and enable Multi-AZ.
- D. Enable termination protection for the EC2 instance to avoid outages.

**Answer: C**

600.A company has an AWS-hosted website located behind an Application Load Balancer. The company wants to safeguard the website from SQL injection or cross-site scripting

Which AWS service should the company use?

- A. Amazon GuardDuty
- B. AWS WAF
- C. AWS Trusted Advisor
- D. Amazon Inspector

**Answer: B**

601. Which AWS hybrid storage service enables your on-premises applications to seamlessly use AWS Cloud storage through standard file-storage protocols?

- A. AWS Direct Connect
- B. AWS Snowball
- C. AWS Storage Gateway
- D. AWS Snowball Edge

**Answer: C**

**Explanation:**

The AWS Storage Gateway service enables hybrid cloud storage between on-premises environments and the AWS Cloud. It seamlessly integrates on-premises enterprise applications and workflows with Amazon's block and object cloud storage services through industry standard storage protocols. It provides low-latency performance by caching frequently accessed data on premises, while storing data securely and durably in Amazon cloud storage services. It provides an optimized data transfer mechanism and bandwidth management, which tolerates unreliable networks and minimizes the amount of data being transferred. It brings the security, manageability, durability, and scalability of AWS to existing enterprise environments through native integration with AWS encryption, identity management, monitoring, and storage services. Typical use cases include backup and archiving, disaster recovery, moving data to S3 for in-cloud workloads, and tiered storage.

Reference: <https://aws.amazon.com/storagegateway/faqs/>

602. A company is designing an application hosted in a single AWS Region serving end-users spread across the world. The company wants to provide the end-users low latency access to the application data. Which of the following services will help fulfill this requirement?

- A. Amazon CloudFront
- B. AWS Direct Connect
- C. Amazon Route 53 global DNS
- D. Amazon Simple Storage Service (Amazon S3) transfer acceleration

**Answer: B**

**Explanation:**

Use AWS Local Zones to deploy workloads closer to your end-users for low-latency requirements. AWS Local Zones have their own connection to the internet and support AWS Direct Connect, so resources created in the Local Zone can serve local end-users with very low-latency communications.

Reference: <https://aws.amazon.com/about-aws/global-infrastructure/localzones/faqs/>

603. What is AWS Trusted Advisor?

- A. It is an AWS staff member who provides recommendations and best practices on how to use AWS.
- B. It is a network of AWS partners who provide recommendations and best practices on how to use AWS.
- C. It is an online tool with a set of automated checks that provides recommendations on cost optimization,

performance, and security.

D. It is another name for AWS Technical Account Managers who provide recommendations on cost optimization, performance, and security.

**Answer:** C

**Explanation:**

AWS Trusted Advisor is an online tool that provides you real time guidance to help you provision your resources following AWS best practices.

Whether establishing new workflows, developing applications, or as part of ongoing improvement, take advantage of the recommendations provided by Trusted Advisor on a regular basis to help keep your solutions provisioned optimally.

Reference: <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/>

604.A company has performance and regulatory requirements that call for it to run its workload only in its on-premises data center.

Which AWS services or resources should the company use? (Select TWO)

- A. Amazon Pinpoint
- B. Amazon WorkLink
- C. AWS Outposts
- D. AWS Snowball Edge
- E. AWS AppSync

**Answer:** C,D

605.Which AWS service or feature can be used to allow users access to compliance reports as self-service downloads?

- A. AWS Service Catalog
- B. AWS Security Hub
- C. AWS Artifact
- D. AWS Support Center

**Answer:** B

606.What is a user responsible for when running an application in the AWS Cloud?

- A. Managing physical hardware
- B. Updating the underlying hypervisor
- C. Providing a list of users approved for data center access
- D. Managing application software updates

**Answer:** D

607.A company is designing a new stateful application to run on AWS.

Which design patterns will help reduce risk? (Select TWO.)

- A. Consume compute resources using Amazon EC2 Spot instance types.
- B. Use Amazon S3 with a bucket policy that ensures the least restrictive access to the data.
- C. Separate the database tier from the application tier using Amazon RDS.
- D. Consolidate application resources into one or two large instance types to minimize the number of components to be managed.

E. Build a microservices-based architecture to break out application services into containers for the application tier.

**Answer:** D,E

608.A company wants to use an AWS service to continuously monitor the health of its application endpoints based on proximity to application users. The company also needs to route traffic to healthy Regional endpoints and to improve application availability and performance.

Which service will meet these requirements?

- A. Amazon Inspector
- B. Amazon CloudWatch
- C. AWS Global Accelerator
- D. AWS Cloud Formation

**Answer:** A

609.What function do security groups serve related to Amazon Elastic Compute Cloud (Amazon EC2) instance security?

- A. Act as a virtual firewall for the Amazon EC2 instance.
- B. Secure AWS user accounts with AWS Identity and Access Management (IAM) policies.
- C. Provide DDoS protection with AWS Shield.
- D. Use Amazon CloudFront to protect the Amazon EC2 instance.

**Answer:** A

**Explanation:**

AWS Security Groups act like a firewall for your Amazon EC2 instances controlling both inbound and outbound traffic. When you launch an instance on Amazon EC2, you need to assign it to a particular security group.

After that, you can set up ports and protocols, which remain open for users and computers over the internet.

AWS Security Groups are very flexible. You can use the default security group and still customize it according to your liking (although we don't recommend this practice because groups should be named according to their purpose.) Or you can create a security group that you want for your specific applications. To do this, you can write the corresponding code or use the Amazon EC2 console to make the process easier.

Reference:

<https://www.threatstack.com/blog/aws-security-groups-what-they-are-and-how-to-get-the-most-out-of-the-m>

610.A user needs to regularly audit and evaluate the setup of all AWS resources, identify non-compliant accounts, and be notified when a resource changes.

Which AWS service can be used to meet these requirements?

- A. AWS Trusted Advisor
- B. AWS Config
- C. AWS Resource Access Manager
- D. AWS Systems Manager

**Answer:** B

611.Which Amazon EC2 pricing option is best suited for applications with short-term, spiky, or unpredictable workloads that cannot be interrupted?

- A. Spot Instances
- B. Dedicated Hosts
- C. On-Demand Instances
- D. Reserved Instances

**Answer:** A

612.Under the AWS shared responsibility model, customer responsibilities include which one of the following?

- A. Securing the hardware, software, facilities, and networks that run all products and services.
- B. Providing certificates, reports, and other documentation directly to AWS customers under NDA.
- C. Configuring the operating system, network, and firewall.
- D. Obtaining industry certifications and independent third-party attestations.

**Answer:** C

**Explanation:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

613.What are the advantages of deploying an application with Amazon EC2 instances in multiple Availability Zones? (Select TWO.)

- A. Preventing a single point of failure
- B. Reducing the operational costs of the application
- C. Allowing the application to serve cross-region users with low latency
- D. Increasing the availability of the application
- E. Increasing the load of the application

**Answer:** A,C

614.According to the AWS shared responsibility model, which of the following tasks are AWS responsibilities? (Select TWO.)

- A. The physical security of AWS facilities.
- B. Encrypting customer data.
- C. Patching and updating the hypervisor.
- D. Patching operating systems on Amazon EC2.
- E. Defining network firewalls inside the VPC.

**Answer:** A,C

615.AnyCompany recently purchased Example Corp Both companies use AWS resources, and AnyCompany wants a single aggregated bill.

Which option allows AnyCompany to receive a single bill?

- A. Example Corp. must submit a request to its AWS solutions architect or AWS technical account manager to link the accounts and consolidate billing
- B. AnyCompany must create a new support case in the AWS Support Center requesting that both bills be combined

- C. Send an invitation to join the organization from AnyCompany's AWS Organizations master account to Example Corp
- D. Migrate the Example Corp VPCs, Amazon EC2 instances, and other resources into the AnyCompany AWS account

**Answer: C**

616. When comparing AWS to on-premises total cost of ownership (TCO), what costs are included with AWS?

- A. Data center security
- B. Business analysis
- C. Project management
- D. Operating system administration

**Answer: A**

617. Which AWS service or feature enables users to block the incoming or outgoing traffic associated with specific IP addresses flowing through a VPC?

- A. Network ACLs
- B. Security groups
- C. AWS Identity and Access Management (IAM)
- D. AWS WAF

**Answer: A**

618. Which of the following provides the ability to share the cost benefits of Reserved Instances across AWS accounts?

- A. AWS Cost Explorer between AWS accounts
- B. Linked accounts and consolidated billing
- C. Amazon Elastic Compute Cloud (Amazon EC2) Reserved Instance Utilization Report
- D. Amazon EC2 Instance Usage Report between AWS accounts

**Answer: A**

**Explanation:**

The way that Reserved Instance discounts apply to accounts in an organization's consolidated billing family depends on whether Reserved Instance sharing is turned on or off for the account. By default, Reserved Instance sharing for all accounts in an organization is turned on. You can change this setting by Turning Off Reserved Instance Sharing for an account.

The capacity reservation for a Reserved Instance applies only to the account the Reserved Instance was purchased on, regardless of whether Reserved Instance sharing is turned on or off.

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-consolidated-billing/>

619. Which tasks require using AWS account root user credentials? (Select TWO.)

- A. Creating an Amazon EC2 key pair
- B. Removing an IAM user from the administrators group
- C. Changing the AWS Support plan
- D. Creating an Amazon CloudFront key pair
- E. Granting an IAM user full administrative

**Answer:** C,D

620.What is the recommended method to request penetration testing on AWS resources?

- A. Open a support case.
- B. Fill out the Penetration Testing Request Form
- C. Request a penetration test from your technical account manager.
- D. Contact your AWS sales representative.

**Answer:** B

621.Which AWS service is a long term archiving solution?

- A. Amazon S3 Glacier
- B. Amazon S3
- C. Amazon EFS
- D. AWS Storage Gateway

**Answer:** A

622.Which AWS service does AWS Snowball Edge natively support?

- A. AWS Server Migration Service (AWS SMS)
- B. Amazon Aurora
- C. AWS Trusted Advisor
- D. Amazon EC2

**Answer:** A

623.Which aws services may be scaled using aws auto scaling?

- A. Amazon EC2
- B. Amazon DynamoDB
- C. Amazon S3
- D. Amazon Route 53
- E. Amazon Redshift

**Answer:** A,B

624.Which service should be used to estimate the costs of running a new project on AWS?

- A. AWS TCO Calculator
- B. AWS Simple Monthly Calculator
- C. AWS Cost Explorer API
- D. AWS Budgets

**Answer:** C

**Explanation:**

To forecast your costs, use the AWS Cost Explorer. Use cost allocation tags to divide your resources into groups, and then estimate the costs for each group.

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/estimating-aws-resource-costs/>

625.An AWS user wants to proactively detect when an Instance or account might be compromised or if there are threats from attacks.

Which AWS service should the user choose?

- A. Amazon GuardDuty
- B. AWSWAF
- C. AWS Shield
- D. Amazon Inspector

**Answer:** A

626.Which principles are used to architect applications for reliability on the AWS Cloud? (Choose two.)

- A. Design for automated failure recovery
- B. Use multiple Availability Zones
- C. Manage changes via documented processes
- D. Test for moderate demand to ensure reliability
- E. Backup recovery to an on-premises environment

**Answer:** A,C

**Explanation:**

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

627.A user is building an application on AWS that requires a backend database. The application requires access to the operating system of the instance where the database is installed in order to run scripts Where should the database be hosted if the user's goal is to create minimum management overhead?

- A. On Amazon RDS
- B. On Amazon EC2
- C. On Amazon DynamoDB
- D. On Amazon S3

**Answer:** B

628.A user has a stateful workload that will run on Amazon EC2 for the next 3 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

**Answer:** A

629.A company wants to connect to AWS over a private low-latency connection from its remote office.

What is the recommended method to meet these requirements'?

- A. Create a VPN tunnel
- B. Connect across the public internet
- C. Use VPC peering to create a connection
- D. Use AWS Direct Connect

**Answer:** D

630.A user needs to determine whether an Amazon EC2 instance's security groups were modified in the last month.

How can the user see if a change was made?

- A. Use Amazon EC2 to see if the security group was changed.
- B. Use AWS Identity and Access Management (IAM) to see which user or role changed the security group.
- C. Use AWS CloudTrail to see if the security group was changed.
- D. Use Amazon CloudWatch to see if the security group was changed.

**Answer: B**

631. Under the AWS shared responsibility model, which of the following is an example of security in the AWS Cloud?

- A. Managing edge locations
- B. Physical security
- C. Firewall configuration
- D. Global infrastructure

**Answer: B**

**Explanation:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

632. Which statement is true about AWS global infrastructure?

- A. Availability Zones can span multiple AWS Regions.
- B. A VPC can have different subnets in different AWS Regions.
- C. AWS Regions consist of multiple Availability Zones.
- D. A single subnet can span multiple Availability Zones.

**Answer: C**

633. A company has a globally distributed user base. The company needs its application to be highly available and have low latency for end users.

Which AWS architectural approach will most effectively support these requirements?

- A. Single-Region, Multi-AZ architecture
- B. Multi-Region, active-active architecture
- C. Multi-Region, active-passive architecture
- D. Single-Region, Single-AZ architecture

**Answer: B**

634. What is an IAM best practice for AWS account root user access keys?

- A. Delete all root user access keys, if possible.
- B. Use root user credentials to access sensitive information stored on AWS.
- C. Allow the system administrator group to use the root user credentials for daily access.
- D. Use root user credentials to access production database instances.

**Answer: A**

635. A company wants to be notified when its AWS Cloud costs or usage exceed defined thresholds. Which AWS service will support these requirements?

- A. AWS Budgets

- B. Cost Explorer
- C. AWS CloudTrail
- D. Amazon Made

**Answer: A**

636.Which AWS service or feature is used to send both text and email messages from distributed applications?

- A. Amazon Simple Notification Service (Amazon SNS)
- B. Amazon Simple Email Service (Amazon SES)
- C. Amazon CloudWatch alerts
- D. Amazon Simple Queue Service (Amazon SQS)

**Answer: A**

637.The AWS global infrastructure consists of Regions, Availability Zones and what else?

- A. VPCs
- B. Data centers
- C. Dark fiber network links
- D. Edge locations

**Answer: D**

638.What does AWS Shield Standard provide?

- A. WAF rules
- B. DDoS protection
- C. Identity and Access Management (IAM) permissions and access to resources
- D. Data encryption

**Answer: B**

639.A user deploys an Amazon RDS DB instance in multiple Availability Zones. This strategy involves which pillar of the AWS Well-Architected Framework?

- A. Performance efficiency
- B. Reliability
- C. Cost optimization
- D. Security

**Answer: B**

640.AWS services offer gateway VPC endpoints that can be used to avoid sending traffic over the internet? (Select TWO)

- A. Amazon Simple Notification Service (Amazon SNS)
- B. Amazon Simple Queue Service (Amazon SQS)
- C. AWS CodeBuild
- D. Amazon S3
- E. Amazon DynamoDB

**Answer: D,E**

641. Which methods can be used to identify AWS costs by departments? (Choose two.)

- A. Enable multi-factor authentication for the AWS account root user.
- B. Create separate accounts for each department.
- C. Use Reserved Instances whenever possible.
- D. Use tags to associate each instance with a particular department.
- E. Pay bills using purchase orders.

**Answer:** B,E

**Explanation:**

Tags are key-value pairs that allow you to organize your AWS resources into groups. You can use tags to:  
Visualize information about tagged resources in one place, in conjunction with Resource Groups.

View billing information using Cost Explorer and the AWS Cost and Usage report.

Send notifications about spending limits using AWS Budgets.

Use logical groupings of your resources that make sense for your infrastructure or business.

For example, you could organize your resources by:

Project

Cost center

Development environment

Application

Department

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/tags-billing-cost-center-project/>

642. Which AWS service securely delivers data, videos , applications, and APIS to users globally with low latency and high transfer speeds?

- A. AWS CloudFormation
- B. Amazon CloudFront
- C. Amazon Pinpoint
- D. Amazon Redshift

**Answer:** B

643. Which AWS service will allow a user to set custom cost and usage limits, and will alert when the thresholds are exceeded?

- A. AWS Organizations
- B. AWS Budgets
- C. Cost Explorer
- D. AWS Trusted Advisor

**Answer:** B

644. Which of the following is a fully managed graph database service on AWS?

- A. Amazon Aurora
- B. Amazon FSx
- C. Amazon DynamoDB
- D. Amazon Neptune

**Answer:** D

645. A company wants to use Amazon Elastic Compute Cloud (Amazon EC2) to deploy a global commercial application. The deployment solution should be built with the highest redundancy and fault tolerance.

Based on this situation the Amazon EC2 instances should be deployed:

- A. in a single Availability Zone in one AWS Region
- B. with multiple Elastic Network Interfaces belonging to different subnets
- C. across multiple Availability Zones in one AWS Region
- D. across multiple Availability Zones in two AWS Regions

**Answer: D**

646. How can a user achieve high availability for a web application hosted on AWS?

- A. Use a Classic Load Balancer across multiple AWS Regions
- B. Use an Application Load Balancer across multiple Availability Zones in one AWS Region
- C. Set up automatic scaling and load balancing with another application instance running on premises
- D. Use the AWS Region with the highest number of Availability Zones

**Answer: B**

647. A company is looking for a way to encrypt data stored on Amazon S3.

Which AWS managed service can be used to help to accomplish this?

- A. AWS Certificate Manager (ACM)
- B. AWS Secrets Manager
- C. AWS Resource Access Manager
- D. AWS Key Management Service (AWS KMS)

**Answer: D**

648. What does the AWS Concierge Support team provide?

- A. A technical expert dedicated to the user
- B. A primary point of contact for AWS Billing and AWS Support
- C. A partner to help provide scaling guidance for an event launch
- D. A dedicated AWS staff member who reviews the user's application architecture

**Answer: B**

649. What is an AWS Identity and Access Management (IAM) role?

- A. A user associated with an AWS resource
- B. A group associated with an AWS resource
- C. An entity that defines a set of permissions for use with an AWS resource
- D. An authentication credential associated with a multi-factor authentication (MFA) token

**Answer: C**

**Explanation:**

AWS Identity and Access Management (IAM) enables you to manage access to AWS services and resources securely. Using IAM, you can create and manage AWS users and groups, and use permissions to allow and deny their access to AWS resources.

Reference: <https://aws.amazon.com/iam/>

650. A company with AWS Enterprise Support needs help understanding its monthly AWS bill and wants to implement billing best practices.

Which AWS tool or resource is available to accomplish these goals?

- A. Resource tagging
- B. AWS Concierge Support team
- C. AWS Abuse team
- D. AWS Support

**Answer: B**

651. How can AWS enable a company to control expenses as an application's usage changes unpredictably?

- A. AWS will refund the cost difference if a customer moves to larger servers.
- B. The application can be built to scale up or down automatically as resources are needed
- C. Spot instances will automatically be used if the price is lower than on-demand instances.
- D. Amazon CloudWatch will automatically predict what resources are needed.

**Answer: B**

652. Which AWS service or feature helps restrict the AWS services, resources, and individual API actions the users and roles in each member account can access?

- A. Amazon Cognito
- B. AWS Organizations
- C. AWS Shield
- D. AWS Firewall Manager

**Answer: C**

653. A web application running on AWS has been spammed with malicious requests from a recurring set of IP addresses.

Which AWS service can help secure the application and block the malicious traffic?

- A. AWS IAM
- B. Amazon GuardDuty
- C. Amazon Simple Notification Service (Amazon SNS)
- D. AWS WAF

**Answer: D**

**Explanation:**

Explanation

AWS WAF is a web application firewall that helps protect web applications from common web exploits that could affect application availability, compromise security, or consume excessive resources. You can use AWS WAF to define customizable web security rules that control which traffic accesses your web applications. If you use AWS Shield Advanced, you can use AWS WAF at no extra cost for those protected resources and can engage the DRT to create WAF rules.

Reference: <https://aws.amazon.com/answers/networking/aws-ddos-attack-mitigation/>

654. Which AWS service will help users determine if an application running on an Amazon EC2 instance has sufficient CPU capacity?

- A. Amazon CloudWatch
- B. AWS Config
- C. AWS CloudTrail
- D. Amazon Inspector

**Answer: A**

655. A company uses Amazon EC2 Instances in its AWS account for several different workloads. The company needs to perform an analysis to understand the cost of each workload.

What is the MOST operationally efficient way to meet this requirement?

- A. Move the EC2 instances for each workload into separate AWS accounts.
- B. Use a different EC2 instance family for each of the workloads.
- C. Add cost allocation tags to each EC2 instance, and activate the tags
- D. Update the workload applications to publish usage data to a cost allocation database.

**Answer: D**

656. Which AWS service allows for effective cost management of multiple AWS accounts?

- A. AWS Organizations
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. Amazon Connect

**Answer: A**

657. Which AWS service would identify if unrestricted access to a resource has been allowed by a security group?

- A. AWS Trusted Advisor
- B. Amazon CloudWatch
- C. VPC Flow Logs
- D. AWS CloudTrail

**Answer: D**

658. Where can a user receive help with deploying popular technologies based on AWS best practices, including architecture and deployment instructions?

- A. Amazon QuickSight
- B. AWS Artifact
- C. AWS Config
- D. AWS Quick Starts

**Answer: D**

659. An administrator observed that multiple AWS resources were deleted yesterday.

Which AWS service will help identify the cause and determine which user deleted the resources?

- A. AWS CloudTrail
- B. Amazon Inspector
- C. Amazon GuardDuty
- D. AWS Trusted Advisor

**Answer: C**

660. A workload on AWS will run for the foreseeable future by using a consistent number of Amazon EC2 instances.

What pricing model will minimize cost while ensuring that compute resources remain available?

- A. Dedicated Hosts
- B. On-Demand Instances
- C. Spot instances
- D. Reserved Instances

**Answer: D**

661. Which AWS tool will identify security groups that grant unrestricted Internet access to a limited list of ports?

- A. AWS Organizations
- B. AWS Trusted Advisor
- C. AWS Usage Report
- D. Amazon EC2 dashboard

**Answer: D**

**Explanation:**

Reference: <https://www.cloudconformity.com/knowledge-base/aws/EC2/security-group-egress-any.html>

662. Which AWS service allows users to provision resources using a consistent and repeatable process?

- A. AWS Systems Manager
- B. AWS Cloud Formation
- C. AWS Batch
- D. AWS Config

**Answer: B**

663. According to the AWS shared responsibility model, the customer is responsible for maintaining:

- A. physical access to the AWS network.
- B. the patching of the host operating system.
- C. data encryption in Amazon S3.
- D. the operating system for Amazon DynamoDB

**Answer: C**

664. What is an example of high availability in the AWS Cloud?

- A. Consulting AWS technical support at any time day or night
- B. Ensuring an application remains accessible, even if a resource fails
- C. Making any AWS service available for use by paying on demand
- D. Deploying in any part of the world using AWS Regions

**Answer: B**

**Explanation:**

Reference: <https://aws.amazon.com/blogs/startups/high-availability-for-mere-mortals/>

665.Which guideline is a well-architected design principle for building cloud applications?

- A. Keep static data closer to compute resources.
- B. Provision resources for peak capacity.
- C. Design for automated recovery from failure.
- D. Use tightly coupled components

**Answer: C**

666.How does AWS charge for AWS Lambda?

- A. Users bid on the maximum price they are willing to pay per hour.
- B. Users choose a 1-, 3- or 5-year upfront payment term.
- C. Users pay for the required permanent storage on a file system or in a database.
- D. Users pay based on the number of requests and consumed compute resources.

**Answer: D**

**Explanation:**

AWS Lambda is charging its users by the number of requests for their functions and by the duration, which is the time the code needs to execute. When code starts running in response to an event, AWS Lambda counts a request. It will charge the total number of requests across all of the functions used. Duration is calculated by the time when your code started executing until it returns or until it is terminated, rounded up near to 100ms. The AWS Lambda pricing depends on the amount of memory that the user used to allocate to the function.

Reference: <https://dashbird.io/blog/aws-lambda-pricing-model-explained/>

667.Treating infrastructure as code in the AWS Cloud allows users to:

- A. automate migration of on-premises hardware to AWS data centers.
- B. let a third party automate an audit of the AWS infrastructure.
- C. turn over application code to AWS so it can run on the AWS infrastructure.
- D. automate the infrastructure provisioning process.

**Answer: D**

**Explanation:**

Reference: <https://asperbrothers.com/blog/infrastructure-as-code-aws/>

668.A cloud practitioner needs an Amazon EC2 instance to launch and run for 7 hours without interruptions.

What is the most suitable and cost-effective option for this task?

- A. On-Demand Instance
- B. Reserved Instance
- C. Dedicated Host
- D. Spot Instance

**Answer: A**

669.which of the following are benefits of running a database on amazon rds compared to an on premises database?

- A. RDS backup are managed by AWS
- B. RDS supports any relational database

- C. RDS has no database engine licensing costs.
- D. RDS database compute capacity can be easily scaled.
- E. RDS inbound traffic control (for example, security groups) is managed by AWS.

**Answer:** A,C

670. A user can increase operational efficiency in the AWS Cloud by:

- A. leveraging AWS managed services.
- B. right-sizing AWS infrastructure.
- C. manually creating all necessary resources.
- D. managing their own software licenses.

**Answer:** B

671. Which of the following is an AWS database service?

- A. Amazon Redshift
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon S3 Glacier
- D. AWS Snowball

**Answer:** A

**Explanation:**

Reference: <https://www.sisense.com/glossary/redshift-database/>

672. Which AWS tool gives users the ability to plan their service usage, service costs, and instance reservations, and also allows them to set custom alerts when their costs or usage exceed established thresholds?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage Report
- D. Reserved Instance reporting

**Answer:** B

673. Which of the following are benefits of running a database on Amazon RDS compared to an on-premises database? (Select TWO)

- A. RDS backups are managed by AWS
- B. RDS supports any relational database
- C. RDS has no database engine licensing costs
- D. RDS database compute capacity can be easily scaled
- E. RDS inbound traffic control (for example, security groups) is managed by AWS

**Answer:** A,B

674. Each department within a company has its own independent AWS account and its own payment method. New company leadership wants to centralize departmental governance and consolidate payments.

How can this be achieved using AWS services or features?

- A. Forward monthly invoices for each account. Then create IAM roles to allow cross-account access.

B. Create a new AWS account Then configure AWS Organizations and invite all 0 existing accounts to join.

C. Configure AWS Organizations in each of the existing accounts Then link all accounts together

D. Use Cost Explorer to combine costs from all accounts Then replicate IAM policies across accounts.

**Answer: B**

675.The AWS cost management tools give users the ability to do which of the following?

A. Terminate all AWS resources automatically if budget thresholds are exceeded.

B. Break down AWS costs by day, service, and linked AWS account

C. Create budgets and receive notifications if current or forecasted usage exceeds the budgets.

D. Switch automatically to Reserved Instances or Spot Instances, whichever is most cost-effective

E. Move data stored in Amazon S3 to a more cost-effective storage class.

**Answer: B,C**

676.A company needs to perform data processing once a week that typically takes about 5 hours to complete.

Which AWS service should the company use for this workload?

A. AWS Lambda

B. Amazon EC2

C. AWS CodeDeploy

D. AWS Wavelength

**Answer: A**

677.Service control policies (SCPs) manage permissions for which of the following?

A. Availability Zones

B. AWS Regions

C. AWS Organizations

D. Edge locations

**Answer: A**

678.Which service's PRIMARY purpose is software version control?

A. Amazon CodeStar

B. AWS Command Line Interface (AWS CLI)

C. Amazon Cognito

D. AWS CodeCommit

**Answer: D**

**Explanation:**

AWS CodeCommit is a version control service hosted by Amazon Web Services that you can use to privately store and manage assets (such as documents, source code, and binary files) in the cloud.

Reference: <https://docs.aws.amazon.com/codecommit/latest/userguide/welcome.html>

679.Which AWS service can help a company detect an outage of its website servers and redirect users to alternate servers?

- A. Amazon CloudFront
- B. Amazon GuardDuty
- C. Amazon Route 53
- D. AWS Trusted Advisor

**Answer:** A

680.Which functions can users perform using AWS KMS?

- A. Create and manage AWS access keys for the AWS account root user.
- B. Create and manage AWS access keys for an AWS account IAM user.
- C. Create and manage keys for encryption and decryption of data.
- D. Create and manage keys for multi-factor authentication.

**Answer:** C

681.After selecting an Amazon EC2 Dedicated Host reservation, which pricing option would provide the largest discount?

- A. No upfront payment
- B. Hourly on-demand payment
- C. Partial upfront payment
- D. All upfront payment

**Answer:** D

**Explanation:**

Reference: <https://aws.amazon.com/ec2/pricing/reserved-instances/pricing/>

682.A user wants recommendation on how to optimize the cost and performance of their aws environment?

Which AWS tool can they use?

- A. AWS trusted Advisor
- B. AWS Systems Manager
- C. AWS Config
- D. AWS Service Catalog

**Answer:** A

683.Which encryption types can be used to protect objects at rest amazon S3?

- A. Server side encryption with S3 managed encryption keys (SSE-S3)
- B. Server side encryption with AWS KMS managed encryption keys (SSE KMS)
- C. TLS
- D. SSL
- E. Transparent Data Encryption (TDE)

**Answer:** A,B

684.When comparing AWS cloud with premises total cost of ownership which expenses must be considered?

- A. Physical storage hardware
- B. Operating system administration

- C. Network infrastructure of data center
- D. Project management
- E. Database schema development

**Answer:** A,C

685.Which AWS Cloud service provides performance recommendations for an AWS account?

- A. Amazon Inspector
- B. AWS Trusted Advisor
- C. Amazon CloudWatch
- D. AWS CloudTrail

**Answer:** B

686.Which of the following are AWS best practices? (Select TWO.)

- A. Enable AWS Multi-Factor Authentication (AWS MFA) for users.
- B. Enable access key sharing among users.
- C. Use the inline policies instead of user managed policies.
- D. Configure strong password policies for users.
- E. Avoid rotating credentials.

**Answer:** A,C

687.What feature of Amazon RDS helps to create globally redundant databases?

- A. Snapshots
- B. Automatic patching and updating
- C. Cross-Region read replicas
- D. Provisioned IOPS

**Answer:** A

**Explanation:**

Reference: [https://docs.amazonaws.cn/en\\_us/AmazonRDS/latest/UserGuide/rds-ug.pdf](https://docs.amazonaws.cn/en_us/AmazonRDS/latest/UserGuide/rds-ug.pdf)

688.Where should users report that AWS resources are being used for malicious purposes?

- A. AWS Abuse team
- B. AWS Shield
- C. AWS Support
- D. AWS Developer Forums

**Answer:** A

**Explanation:**

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>

689.Which AWS services can be used to set up NoSQL databases? (Select TWO.)

- A. Amazon Redshift
- B. Amazon Aurora
- C. Amazon DynamoDB
- D. Amazon S3
- E. Amazon DocumentDB (with MongoDB compalibility)

**Answer:** C,E

690.Which Amazon EC2 pricing model is the MOST cost efficient for an uninterruptible workload that runs once a year for 24 hours?

- A. On-Demand Instances
- B. Reserved Instances
- C. Spot Instances
- D. Dedicated Instances

**Answer:** A

**Explanation:**

With On-Demand instances, you pay for compute capacity by the hour or the second depending on which instances you run. No longer-term commitments or upfront payments are needed. You can increase or decrease your compute capacity depending on the demands of your application and only pay the specified per hourly rates for the instance you use.

Reference: <https://aws.amazon.com/ec2/pricing/>

691.Which tasks are the customer's responsibility in the AWS shared

- A. Infrastructure facilities access management
- B. Cloud infrastructure hardware lifecycle management
- C. Configuration management of user's applications
- D. Networking infrastructure protection
- E. Security groups configuration

**Answer:** C,E

692.Which architectural principle is used when deploying an Amazon Relational Database Service (Amazon RDS) instance in Multiple Availability Zone mode?

- A. Implement loose coupling.
- B. Design for failure.
- C. Automate everything that can be automated.
- D. Use services, not servers.

**Answer:** B

**Explanation:**

Amazon RDS Multi-AZ deployments provide enhanced availability and durability for Database (DB) Instances, making them a natural fit for production database workloads. When you provision a Multi-AZ DB Instance, Amazon RDS automatically creates a primary DB Instance and synchronously replicates the data to a standby instance in a different Availability Zone (AZ). Each AZ runs on its own physically distinct, independent infrastructure, and is engineered to be highly reliable. In case of an infrastructure failure, Amazon RDS performs an automatic failover to the standby (or to a read replica in the case of Amazon Aurora), so that you can resume database operations as soon as the failover is complete. Since the endpoint for your DB Instance remains the same after a failover, your application can resume database operation without the need for manual administrative intervention.

Reference: <https://aws.amazon.com/rds/details/multi-az/>

693.Performing operations as code is a design principle that supports which pillar of the AWS

Well-Architected Framework?

- A. Performance efficiency
- B. Operational excellence
- C. Reliability
- D. Security

**Answer: C**

694. 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?

- A. Security
- B. Reliability
- C. Performance efficiency
- D. Cost optimization

**Answer: B**

695. To avoid malicious compute activities, a user needs a quick way to determine if any Amazon EC2 instances have ports that allow Unrestricted access.

Which AWS service will support this requirement?

- A. VPC Flow Logs
- B. AWS WAF
- C. AWS CloudTrail
- D. AWS Trusted Advisor

**Answer: A**

696. Which AWS Trusted Advisor check is available to all AWS users?

- A. Core checks
- B. All checks
- C. Cost optimization checks
- D. Fault tolerance checks

**Answer: A**

697. Which duty is a responsibility of AWS under the AWS shared responsibility model?

- A. Identity and access management
- B. Server-side encryption (SSE)
- C. Firewall configuration
- D. Maintaining physical hardware

**Answer: A**

698. Which Amazon EC2 pricing model offers the most significant discount when compared to On-Demand Instances?

- A. Partial Upfront Reserved Instances for a 1 year term
- B. All Upfront Reserved Instances for a 1 year term
- C. All Upfront Reserved Instances for a 3 year term
- D. No Upfront Reserved Instances for a 3-year term

**Answer: C**

699.What is an IAM best practice for AWS account root user access keys?

- A. Delete all root user access keys, if possible.
- B. Use root user credentials to access sensitive information stored on AWS.
- C. Allow the system administrator group to use the root user credentials for daily access.
- D. Use root user credentials to access production database instances.

**Answer: B**

700.Which of the following is the responsibility of AWS?

- A. Setting up AWS Identity and Access Management (IAM) users and groups
- B. Physically destroying storage media at end of life
- C. Patching guest operating systems
- D. Configuring security settings on Amazon EC2 instances

**Answer: B**

**Explanation:**

Media storage devices used to store customer data are classified by AWS as Critical and treated accordingly, as high impact, throughout their life-cycles. AWS has exacting standards on how to install, service, and eventually destroy the devices when they are no longer useful. When a storage device has reached the end of its useful life, AWS decommissions media using techniques detailed in NIST 800-88. Media that stored customer data is not removed from AWS control until it has been securely decommissioned.

Reference: <https://aws.amazon.com/compliance/data-center/controls/>

701.Which of the following are benefits of the AWS business support plan?

- A. Dedicated AWS technical account manager (TAM)
- B. Response time of less than 15 minutes for business critical cases
- C. Phone, email and chat support 24 hours a day 7 days a week
- D. Full set of AWS trusted Advisor best practice checks
- E. Well-Architected reviews

**Answer: C,D**

702.When designing a typical three-tier web application, which AWS services and/or features improve availability and reduce the impact failures? (Select TWO.)

- A. AWS Auto Scaling for Amazon EC2 instances.
- B. Amazon VPC subnet ACLs to check the health of a service.
- C. Distributed resources across multiple Availability Zones.
- D. AWS Server Migration Service (AWS SMS) to move Amazon EC2 instances into a different Region.
- E. Distributed resources across multiple AWS points of presence.

**Answer: C,D**

703.What does AWS Marketplace allow users to do? (Choose two.)

- A. Sell unused Amazon EC2 Spot Instances.
- B. Sell solutions to other AWS users.

- C. Buy third-party software that runs on AWS.
- D. Purchase AWS security and compliance documents.
- E. Order AWS Snowball.

**Answer:** B,C

**Explanation:**

Reference: <https://aws.amazon.com/marketplace>

704.Which AWS service offers the LEAST expensive means of storing static images?

- A. Amazon S3
- B. Amazon DynamoDB
- C. AWS Snowball
- D. Amazon Elastic Block Store (Amazon EBS)

**Answer:** A

705.According to security best practices, how should an Amazon EC2 instance be given access to an Amazon S3 bucket?

- A. Hard code an IAM user's secret key and access key directly in the application, and upload the file.
- B. Store the IAM user's secret key and access key in a text file on the EC2 instance, read the keys, then upload the file.
- C. Have the EC2 instance assume a role to obtain the privileges to upload the file.
- D. Modify the S3 bucket policy so that any service can upload to it at any time

**Answer:** D

706.Which service would provide network connectivity in a hybrid architecture that includes the AWS Cloud?

- A. Amazon VPC
- B. AWS Direct Connect
- C. AWS Directory Service
- D. Amazon API Gateway

**Answer:** A

**Explanation:**

Amazon Virtual Private Cloud (Amazon VPC) is a logically isolated, private section of the AWS Cloud to launch resources in a virtual data center in the cloud. Amazon VPC allows you to leverage multiple Availability Zones (AZ) within a region so that you can build greater fault tolerance within your workloads. You have complete control.

Reference:

<https://aws.amazon.com/blogs/publicsector/aws-networking-capabilities-gives-you-choices-for-hybrid-cloud-connectivity-but-which-service-works-best-for-your-use-case/>

707.How does AWS MOST effectively reduce computing costs for a growing start-up company?

- A. It provides on-demand resources for peak usage.
- B. It automates the provisioning of individual developer environments.
- C. It automates customer relationship management.
- D. It implements a fixed monthly computing budget.

**Answer: A**

**Explanation:**

You can continue to optimize your spend and keep your development costs low by making sure you revisit your architecture often, to adjust to your startup growth. Manage your cost further by leveraging different options such as S3 CloudFront for caching & offloading to reduce cost of EC2 computing, as well as Elastic Load Balancing which prepares you for massive scale, high reliability and uninterrupted growth. Another way to keep costs down is to use AWS Identity and Access Management solutions (IAM) to manage governance of your cost drivers effectively and by the right teams.

Reference: <https://aws.amazon.com/startups/lean/>

708.What are the immediate benefits of using the AWS Cloud? (Select TWO.)

- A. Increased IT staff
- B. Capital expenses are replaced with variable expenses.
- C. User control of infrastructure
- D. Increased agility.
- E. AWS holds responsibility for security in the cloud.

**Answer: B,D**

709.Which AWS feature or service provides visibility into abuse events that have been reported on a given AWS account?

- A. AWS Trusted Advisor
- B. Amazon GuardDuty
- C. AWS Personal Health Dashboard
- D. Amazon Inspector

**Answer: B**

710.What are the market advantages of running workloads in the AWS cloud?

- A. Less staff time is required to deploy new workloads
- B. Increased time to market for new application features
- C. Higher acquisition costs to support peak workloads
- D. Increased productivity for application development teams
- E. A decrease in the average server CPU utilization

**Answer: A,D**

711.A customer is deploying a now serverless application running on AWS Lambda.

Which of the following are the customer's responsibilities under the AWS shared responsibility model? (Select TWO)

- A. Application management
- B. Platform management
- C. Application identity and access
- D. Storage infrastructure
- E. AWS global infrastructure

**Answer: A,C**

712. An application is receiving SQL injection attacks from multiple external resources. Which AWS service or feature can help automate mitigation against these attacks?

- A. AWS WAF
- B. Security groups
- C. Elastic Load Balancer
- D. Network ACL

**Answer:** A

713. A customer runs an On-Demand Amazon Linux EC2 instance for 3 hours, 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

**Answer:** B

**Explanation:**

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-instance-hour-billing/>

714. If a user has an AWS account with an enterprise level AWS support plan, who is the primary point of contact for billing or account inquiries?

- A. Solutions architect
- B. AWS Concierge Support team
- C. An AWS Marketplace seller
- D. AWS Partner Network (APN) partner

**Answer:** B

715. What are the benefits of consolidated billing for AWS Cloud services? (Select TWO.)

- A. Volume discounts
- B. A minimal additional fee for use
- C. One bill for multiple accounts
- D. Installment payment options
- E. Custom cost usage and budget creation

**Answer:** C,E

716. On demand reserved and spot instances belong to which principle of cloud architecture design?

- A. Performance
- B. Removing single points of failure
- C. Loose coupling
- D. Optimizing for cost

**Answer:** D

717. Which AWS service requires the customer to patch the guest operating system?

- A. AWS Lambda
- B. Amazon Elasticsearch Service (Amazon ES)

- C. Amazon EC2
- D. Amazon ElastiCache

**Answer: C**

718.Which benefit of the AWS Cloud supports matching the supply of resources with changing workload demands?

- A. Security
- B. Reliability
- C. Elasticity
- D. High availability

**Answer: C**

Reference: <https://wa.aws.amazon.com/wat.map.en.html>

719.A company wants to set up a highly available workload in AWS with a disaster recovery plan that will allow the company to recover in case of a regional service interruption.

Which configuration will meet these requirements?

- A. Run on two Availability Zones in one AWS Region, using the additional Availability Zones in the AWS Region for the disaster recovery site.
- B. Run on two Availability Zones in one AWS Region, using another AWS Region for the disaster recovery site.
- C. Run on two Availability Zones in one AWS Region, using a local AWS Region for the disaster recovery site.
- D. Run across two AWS Regions, using a third AWS Region for the disaster recovery site.

**Answer: B**

720.A director has been tasked with investigating hybrid cloud architecture. The company currently accesses AWS over the public internet.

Which service will facilitate private hybrid connectivity?

- A. Amazon Virtual Private Cloud (Amazon VPC) NAT Gateway
- B. AWS Direct Connect
- C. Amazon Simple Storage Service (Amazon S3) Transfer Acceleration
- D. AWS Web Application Firewall (AWS WAF)

**Answer: B**

**Explanation:**

Amazon VPC provides multiple network connectivity options for you to leverage depending on your current network designs and requirements. These connectivity options include leveraging either the internet or an AWS Direct Connect connection as the network backbone and terminating the connection into either AWS or user-managed network endpoints. Additionally, with AWS, you can choose how network routing is delivered between Amazon VPC and your networks, leveraging either AWS or user-managed network equipment and routes.

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/aws-vpc-connectivity-options/introduction.html>

721.Which AWS service can be used to track resource changes and establish compliance

- A. Amazon CloudWatch
- B. AWS Config
- C. AWS CloudTrail
- D. AWS Trusted Advisor

**Answer: B**