

## Cloud Essentials Knowledge Badge Assessment



Final score: 86 %

### Single choice

- 1) Your company is migrating to the AWS Cloud. As the network administrator, you are responsible for managing the physical network in the datacenter.

What cloud role might you transition to that would be the closest fit to your current role?

- Cloud Architect
- DevOps Administrator
- Security Administrator
- System Administrator

Comments: The System Administrator is responsible for overall performance of cloud systems. They are the glue that keeps systems working together by managing configurations, completing detailed tasks, and assisting Database Administrators with setting up database servers in the cloud.

Score: 0.00

#### Correct answer(s):

- Cloud Architect
- DevOps Administrator
- Security Administrator
- System Administrator

### Single choice

- 2) Your company is new to AWS and teams are regularly exceeding their monthly budget creating cost overruns for the year. You have been tasked to create ways for teams to understand where they are with their budgets before it exceeds.

What action could you take to BEST meet that requirement?

- Create a budget for each team that specifies their monthly spend. Create an alert of that budget that emails the team when they approach 80% of their spend in a month.  
Comments: With AWS Budgets, you can set custom budgets to track your costs and usage, and respond quickly to alerts received from email or SNS notifications if you exceed your threshold.
- Download the invoices and email them to the team each month.
- Setup Cost Anomaly detection, creating an alert to email all the teams when anomalous spend is identified.
- Setup a budget report in AWS Current Usage Report for each team that is mailed to them at the close of every month.

Score: 1.00

### Single choice

- 3) An e-commerce company is looking to migrate some of its workloads to AWS. While planning the migration, the CTO has asked if AWS handles patching for the operating system running on the Amazon EC2 instances.

Which option can provide clarity to the CTO?

- AWS Cloud Adoption Framework
- AWS Shared Responsibility Model  
Comments: The AWS Shared Responsibility model would let you and your CTO know that patching of the OS on your Amazon EC2 instances is your responsibility as an AWS customer.
- Cloud computing deployment models
- AWS Well-Architected Framework

Score: 1.00

### Single choice

- 4) Your company produces periodic compliance reports that must be securely stored for 7 years for auditing purposes. Once the report is available, it is rarely accessed. When requested, a report must be available within 24 hours.

What is the MOST cost effective and reliable AWS storage solution to address this use case?

- AWS Backup
- Amazon S3 Glacier
- Amazon S3 Infrequent Access  
Comments: S3 Standard-IA is for data that is accessed less frequently, but requires rapid access when needed. It provides the same low latency and high throughput performance of S3 Standard. Since in this use case the retrieval time is 24 hours, this is not the most cost effective solution.
- Amazon RDS

Score: 0.00

#### Correct answer(s):

- AWS Backup
- Amazon S3 Glacier
- Amazon S3 Infrequent Access
- Amazon RDS

### Single choice

- 5) As a solutions architect, you are assisting your company to redefine the IT procurement strategy as they prepare to move to the AWS Cloud.

Which is the BEST benefit of cloud acquisition when compared to traditional IT?

- Flexible acquisition process  
Comments: Flexible acquisition processes help enable you to get the latest innovations at the best prices.
- Continuous hardware upgrade
- AWS's social impact and responsibility
- Cloud Terms and Conditions of Use

Score: 1.00

### Single choice

- 6) An organization is new to serverless technology and is inquiring for more information.

Which is an example of an AWS Serverless compute service?

- AWS Lambda  
Comments: AWS Lambda is defined as a serverless service. There is no infrastructure for the customer to manage.
- AWS Certificate Manager
- Amazon Elastic Container Service (Amazon ECS)
- AWS Identity and Access Management (IAM)

Score: 1.00

Single choice

7) In your organization, the systems administrator is responsible for all the physical on-premise infrastructure.

After you move the infrastructure to the AWS Cloud, who will be responsible for the physical infrastructure?

- AWS  
Comments: AWS has the responsibility of managing the underlying hardware and infrastructure under the Shared Responsibility Model.
- Network Engineer
- System Administrator
- Security Administrator

Score: 1.00

Multiple choice

8) Your customer wants to know how security and compliance is shared between AWS and the customer.

Under the AWS Shared Responsibility Model, what are your suggested shared controls between the customer and AWS? (Select TWO)

- Identity and access management  
Comments: Customer is responsible to implement the principle of least privilege and enforce separation of duties with appropriate authorization for each interaction with your AWS resources.
- Physical and Environmental controls
- Awareness and Training  
Comments: AWS trains AWS employees, but a customer must train their own employees.
- Patch Management
- Data Encryption

Score: 0.50

Correct answer(s):

- Identity and access management
- Physical and Environmental controls
- Awareness and Training
- Patch Management
- Data Encryption

Single choice

9) Your company is currently hosting its data and services in the AWS Cloud and wants help to control cost and spend.

Which AWS service can help with this?

- AWS Support Plans
- AWS CloudWatch
- Billing Dashboard
- AWS Budgets  
Comments: In AWS Budgets, you can create budgets to plan your service usage, service costs, and instance reservations. The information is updated three times a day.

Score: 1.00

Single choice

10) A company has its application servers deployed in an AWS region in Amazon VPCs with private and public subnets. The application servers are placed in private subnets and often initiate requests to the internet.

Which solution would BEST accomplish this task?

- Create an internet gateway in the private subnet in the region.
- Create a NAT gateway in a public subnet of each Availability Zone in the region, with a default route in the private subnet pointing to it.  
Comments: Highly available: NAT gateways in each Availability Zone are implemented with redundancy. Create a NAT gateway in each Availability Zone to ensure zone-independent architecture.
- Create an Network Access Control List to filter traffic to the private subnet.
- Create a NAT gateway in a public subnet in one Availability Zone in the region, with a default route in the private subnet pointing to it.

Score: 1.00

Single choice

11) Your organization is planning to migrate its on-premises infrastructure to the cloud. As part of this move, you want to ensure that the cloud technology you acquire is sustainable and environmentally friendly.

Which is a key sustainability consideration for a successful cloud acquisition strategy?

- Ignore the environmental impact of cloud computing, as it is not a significant factor in sustainability.  
Comments: Scientists tell us that we have a limited window to make unprecedented headway towards the biggest environmental and societal impact we can have. This is why Amazon co-founded The Climate Pledge, a commitment to reach net-zero carbon emissions by 2040, 10 years ahead of the Paris Agreement. This is also why AWS uses renewable energy sources, reduces its own data center energy consumption, and creates custom hardware designed for energy efficiency.
- Prioritize the lowest price over sustainability, as cost savings is always the most important consideration.
- Choose a cloud service provider that focuses on energy efficiency and innovation to reduce its carbon footprint.
- Prioritize on-premises efficiencies, as cloud computing cannot be sustainable due to the energy consumption required to service millions of customers.

Score: 0.00

Correct answer(s):

- Ignore the environmental impact of cloud computing, as it is not a significant factor in sustainability.
- Prioritize the lowest price over sustainability, as cost savings is always the most important consideration.
- Choose a cloud service provider that focuses on energy efficiency and innovation to reduce its carbon footprint.
- Prioritize on-premises efficiencies, as cloud computing cannot be sustainable due to the energy consumption required to service millions of customers.

Multiple choice

12) Your company leadership is considering the idea of moving their infrastructure to the AWS Cloud.

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

- No need to manage any systems or data.
- Choice of specific hardware models.
- Trade upfront expense for variable expense.  
Comments: This is one of the benefits of cloud computing - Trade for variable expenses.
- No need to train your employees on cloud computing.
- Increase speed and agility.  
Comments: Flexibility makes it easier to deploy.

Score: 1.00

Multiple choice

13) Your company is designing and building its infrastructure on the AWS Cloud.

As a solutions architect, what areas should you focus on to ensure your company is optimizing cost according to the AWS Well-Architected Framework? (Select TWO)

- Select cost effective resource types such as Reserved and Spot instances.  
Comments: Using cost effective resources is one of the focus areas for the cost optimization pillar. Reserved instances and spot are examples of cost effective ways to run on the AWS cloud.
- Hire additional architects to help setup the environment in the cloud.
- Control and understand where your money is spent with expenditure awareness.  
Comments: This helps achieve business objective at the lowest price point.
- Contract an AWS Partner to assist with your design.
- Plan to manually provision resources within the environment to match the workload demand.

Score: 1.00

Single choice

14) Your company wants to ensure that they are following the guidance of the Well Architected Framework.

What is an example of an Operational Excellence best practice?

- Use alerts on all events.
- Use as-needed incident management.
- Notify users when they are impacted by events.  
Comments: When events occur and thresholds are breached, it is the best practice to notify users when they are impacted by events.
- Use Multi Factor Authentication (MFA) to protect credentials.

Score: 1.00

Single choice

15) Your company is in the process of acquiring cloud technology. Your CISO has asked you to form a team to evaluate the security of potential cloud service providers (CSPs).

Which method will help you to ensure the security of the CSP?

- Formulate a detailed list of the top 100 security controls for your industry and ensure the CSP provides appropriate responses for each.
- Conduct a physical audit of the CSP's data center.
- All CSPs are secure and do not require further evaluation.
- Research existing industry best practices and use third-party auditing to evaluate the CSP.  
Comments: When evaluating CSPs as part of your cloud acquisition strategy, you should research existing industry best practices and use third-party auditing to evaluate CSPs. Using these existing resources prevents overly burdensome processes and duplication.

Score: 1.00

Single choice

16) Your organization is considering migrating its existing systems to a cloud-based infrastructure.

Which consideration BEST reflects a successful cloud acquisition strategy?

- Rely on cloud service providers (CSPs) to handle all aspects of cloud technology.
- Separate cloud infrastructure from hands-on services and labor.
- Combine cloud technology provided by a cloud service provider (CSP) and hands-on services and labor into a comprehensive solution.  
Comments: Successful cloud strategies separate technology provided by a CSP from hands-on services and labor or other managed services needed to use cloud technology. Cloud technology and labor services can be provided by partners or other third parties as one comprehensive solution; however, this is not always necessary or ideal. Cloud infrastructure should be regarded as a separate "service with distinct roles and responsibilities, service level agreements (SLAs), and terms and conditions."
- Prioritize managed services, which are always the most cost-effective solution for cloud technology and labor services.

Score: 0.00

Correct answer(s):

- Rely on cloud service providers (CSPs) to handle all aspects of cloud technology.
- Separate cloud infrastructure from hands-on services and labor.
- Combine cloud technology provided by a cloud service provider (CSP) and hands-on services and labor into a comprehensive solution.
- Prioritize managed services, which are always the most cost-effective solution for cloud technology and labor services.

Single choice

17) Your company wants to host its infrastructure and data in an AWS region.

Which requirement helps you determine the region to host your data?

- Lack of natural disasters

- Location of data centers
- Compliance**  
Comments: Data governance and legal requirements will require your company to host its data in the country of origin.
- Hardware brands

Score: 1.00

Single choice

- 18) Your company wants you to focus on running and monitoring your cloud applications in a way that drives continuous improvement to procedures and processes.

Which AWS Well-Architected pillar will help you identify the responsibilities in this scenario?

- Cost Optimization
- Reliability
- Operational Excellence**  
Comments: This pillar helps the customer to understand how to run and monitor systems and process to deliver business value by continually improving processes and procedures.
- Performance Efficiency

Score: 1.00

Single choice

- 19) Your company is preparing for the holiday shopping season where there will be an increase in traffic and customer orders for its Amazon EC2-hosted applications.

What service can be used to enable optimal availability to handle the increased traffic?

- Amazon RDS
- AWS Lambda
- AWS CloudWatch
- Amazon EC2 Auto Scaling**

Comments: Amazon EC2 Auto Scaling enables you to automatically add or remove Amazon EC2 instances in response to changing application demand.

Score: 1.00

Single choice

- 20) You work as a solutions architect for a recently founded startup that wants to build a dating app that contains customer PII. The development team has already created a prototype locally. You are tasked with setting up the necessary infrastructure in AWS.

Which factor do you need to consider when choosing an AWS region?

- Proximity to the nearest airport for rapid emergency support
- Largest amount of Availability Zones
- Connection to the Internet
- Data governance and legal requirements**  
Comments: Data governance and legal requirements are one relevant factor, when you want to determine the right region for your workloads.

Score: 1.00

Multiple choice

- 21) A company works together with a solutions architect on a migration strategy to the AWS Cloud. They create an architecture diagram and a list of required AWS services.

Which factors do they need to consider when deciding on the required AWS Region? (Select TWO)

- Age of the region
- Availability of support services from hardware providers
- Cost of AWS services in the region**  
Comments: Costs of AWS services can vary between different regions.
- Services available within the region**  
Comments: When determining the right region for your workloads you need to consider that some AWS services are only available in some AWS regions.
- Connectivity to the electrical grid

Score: 1.00

Multiple choice

- 22) You work for a healthcare organization whose IT team has limited experience with cloud technologies. There is concern about how to ensure that the new cloud infrastructure is reliable, secure, and cost-effective. To guide the organization's cloud migration, you recommend using the AWS Well-Architected Framework.

Which of the following are benefits of the AWS Well-Architected Framework? (Select TWO)

- Reduce and mitigate risks**  
Comments: Well-Architected identifies the risks and help the customer to reduce risk.
- Build and deploy faster**  
Comments: Well-Architected helps customer to Build & Deploy faster.
- Provide step by step prescriptive directions
- Migrate workloads
- Train employees on AWS

Score: 1.00

Single choice

- 23) Your company's finance team wants to use their own business intelligence tool to visualize cost and usage. They want detailed billing line items for the last three years automatically available in a persistent store for their business intelligence tool without writing any scripts.

Which AWS tool meets their requirements?

- AWS Cost Explorer
- AWS Cost and Usage Report (CUR)**  
Comments: AWS CUR is the best solution because it can deliver detailed billing data to a persistent store (AWS Simple Storage Service Bucket) in multiple formats that are compatible with most business intelligence tools.
- AWS Budgets
- AWS Billing Dashboard

Score: 1.00

Single choice

24) AnyCompany has developed multiple workloads with unpredictable utilization in their data center and is looking to migrate to AWS.

Which benefit of moving to the cloud can help address this challenge?

- AWS Cloud resources will cost more than your current infrastructure.
- You will need to buy hardware when migrating to AWS Cloud.
- Stop guessing capacity.  
Comments: By leveraging tools like Amazon EC2 Auto Scaling, companies can stop trying to guess capacity needs and configure their applications and infrastructure to scale elastically.
- No need to train your employees.

Score: 1.00

Single choice

25) You need a way to visualize how the AWS bill has changed over the last 6 months and determine which services are billing the most.

What AWS tool will MOST easily allow you to see this information?

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

Score: 1.00

Single choice

26) A cloud network engineer needs to build a resilient network architecture to ensure application scalability and help mitigate DDoS attacks.

Which AWS service will help to meet these goals?

- AWS Elastic Load Balancer
- Global Accelerator  
Comments: Global Accelerator can be used to improve application performance but is not used to help mitigate DDoS attacks.
- Private subnets
- NAT gateway

Score: 0.00

Correct answer(s):

- AWS Elastic Load Balancer
- Global Accelerator
- Private subnets
- NAT gateway

Single choice

27) Your company is planning to move all its infrastructure to the cloud. Your CFO is thinking about the costs associated with this decision.

Which AWS tool can be used to estimate the cost of moving to the AWS Cloud?

- AWS Pricing Calculator  
Comments: The AWS Pricing Calculator lets you explore AWS services and create an estimate for the cost of your use cases on AWS.
- AWS Cloud Adoption Framework
- AWS Marketplace
- AWS Budgets

Score: 1.00

Single choice

28) An organization is looking to expand its presence and revenue in the AWS ecosystem.

Which benefit of joining the Amazon Partner Network (APN) would BEST support this goal?

- The opportunity to participate in AWS events and receive discounts on AWS services, allowing the organization to increase their exposure and reduce costs
- Access to AWS technical resources, training, and support to more effectively use AWS services and increase revenue opportunities
- The ability to access AWS certification and competency programs to demonstrate expertise in AWS solutions and differentiate from competitors
- The ability to leverage the AWS global infrastructure, partner programs, and tools to expand market reach and increase revenue  
Comments: This directly aligns with the organization's goal of expanding its presence and revenue in the AWS ecosystem. By leveraging the AWS global infrastructure, partner programs, and tools, the organization can reach a wider market and increase its revenue opportunities.

Score: 1.00

Multiple choice

29) You are a site reliability engineer for a company that runs an application on an Amazon EC2 instance. You want to get an e-mail notification whenever the average CPU utilization of an instance exceeds 80 percent for more than 15 minutes.

Which AWS service would you use to automatically deliver such notifications? (Select TWO)

- Amazon GuardDuty
- Amazon CloudWatch Alarms  
Comments: CloudWatch reports multiple metrics (including CPU utilization) for EC2 instances. You can define CloudWatch alarms for a metric to automate actions when a metric value crosses a defined threshold. Automatic actions include sending a notification by using Amazon SNS.
- Amazon Simple Notification Service (SNS)  
Comments: Amazon SNS is the service that can deliver e-mail notifications from AWS. Amazon SNS has integrations with many other AWS services. It can be integrated with Amazon CloudWatch alarms, so that notifications are sent anytime an alarm is triggered.
- AWS Trusted Advisor

AWS CloudTrail.

Score: 1.00

Single choice

30) You are in charge of managing applications and ensuring they are operating securely in the cloud. You would like to routinely scan your applications for potential vulnerabilities.

Which AWS service would meet this requirement?

AWS Shield

Amazon Inspector

Comments: Amazon Inspector is a service that can perform vulnerability scans for your AWS workloads including applications.

Amazon Macie

AWS Artifact

Score: 1.00

Multiple choice

31) Your company needs to expand its on-premises infrastructure and is considering migrating to the cloud.

What are the benefits of moving to the AWS Cloud? (Select TWO)

You receive significant cost savings when moving to the AWS Cloud.

Comments: Moving to AWS helps in 20% cost savings in technology infrastructure. Please refer: <https://pages.awscloud.com/global-gc-500-business-value-of-migration-whitepaper-learn.html>

AWS can help you in your application development.

AWS can assist in performing system administration tasks.

Comments: Providing assistance in Performing system administration tasks is out of scope of AWS. Refer: <https://aws.amazon.com/premiumsupport/>

You can always get discounts based on your AWS usage and billing.

You can focus more on innovation and worry less about infrastructure.

Score: 0.50

Correct answer(s):

You receive significant cost savings when moving to the AWS Cloud.

AWS can help you in your application development.

AWS can assist in performing system administration tasks.

You can always get discounts based on your AWS usage and billing.

You can focus more on innovation and worry less about infrastructure.

Single choice

32) Your application is running on Amazon EC2 instances.

Which component of the AWS global infrastructure will you use to make your application resilient and highly available?

AWS Outposts

AWS Data Centers

AWS Edge Locations

AWS Availability Zones

Comments: Availability Zones are located tens of miles apart from each other. If a disaster occurs in one part of the Region, they are distant enough to reduce the chance that multiple Availability Zones are affected. By deploying your applications across multiple Availability Zones, you make it more resilient and highly available.

Score: 1.00

Single choice

33) Your company is migrating to the AWS Cloud. The CFO wants to analyze the cost of different cloud services, such as compute, storage, and data transfer each month.

Which AWS tool can be used to accomplish this task?

AWS Cost Explorer

Comments: Cost Explorer is a business intelligence, or BI, reporting tool available in the console that can help you assess your costs and usage across a variety of different views based on filters such as computer, storage, or data transfer.

AWS Budgets

AWS Cost Anomaly Detection

AWS Savings Plans

Score: 1.00

Single choice

34) A healthcare company is using Amazon S3 to store sensitive patient data.

Which of the following AWS services can help the Chief Security Officer recognize and classify this type of data?

AWS Secrets Manager

Amazon EBS

Amazon Macie

Comments: Amazon Macie is a security service that uses machine learning to discover and protect sensitive data stored in the cloud. It can be used to secure sensitive data stored in the cloud by identifying and alerting on any unauthorized access or breaches.

AWS IAM

Score: 1.00

Single choice

35) Your company is migrating its applications from on-premises to Amazon Elastic Compute Cloud (Amazon EC2).

According to the AWS Shared Responsibility Model, which option are you responsible for?

Protecting only the applications, and not the operating systems, of the Amazon EC2 instances.

Patching the hosts that run the Amazon EC2 instances.

Protecting the applications as well as the operating systems running on the Amazon EC2 instances.

Comments: Security is a shared responsibility between AWS and the customer: AWS is responsible for securing the underlying infrastructure, including physical facilities and the virtualization layer; while the customer is responsible for the security of everything they create and put in the AWS cloud. For Amazon EC2, this includes patching the operating

- systems as well as the applications running on the instances.
- Securing the physical facilities that host AWS services, including Amazon EC2.

Score: 1.00

Single choice

- 36) Your marketing team wants to run a one-day campaign to get some feedback on an upcoming product launch. You need to provision the application on an Amazon EC2 instance and it must function without interruption.

Which type of instance can you use?

- Dedicated Instance
- Spot Instance
- Reserved Instance
- On-Demand Instance

Comments: We recommend that you use On-Demand Instances for applications with short-term, irregular workloads that cannot be interrupted.

Score: 1.00

Single choice

- 37) Your company hosts images that are used by several web applications. You want to ensure that those images are served with the lowest latency possible to a global set of customers.

Which AWS infrastructure component could be used to help in providing this low latency?

- Availability Zones
- Data centers
- Edge Locations

Comments: Edge locations provide Points of Presence (PoPs) around the globe to help provide access to your content with the lowest latency possible.

- Elastic Network Interface (ENI)

Score: 1.00

Single choice

- 38) Your company maintains several legacy applications that are deployed in their on-premises data center. A new business process requires the development of a completely new application for data processing and visualization to leverage modern technologies.

Which strategy should be used for the deployment of this new application?

- Move all applications to the cloud.
- Deploy the new application in the cloud.

Comments: When deploying on the cloud, the company would be able to keep the legacy applications on premises while benefiting from the increased speed and agility that deploying the new application in the cloud brings.

- Deploy the new application on-premises.
- Acquire the new application as service from a third-party vendor.

Score: 1.00

Single choice

- 39) AnyCompany is planning to move their infrastructure and workloads to the cloud but they have specific requirements in regards to infrastructure management, security control, and cost considerations.

What is the impact of maintaining an on-premises deployment over cloud-based or hybrid deployment?

- On-premises installation is similar to a hybrid deployment, since it balances control and scalability, requiring less maintenance and costs.
- Comments: Hybrid deployments balance control and scalability, but require a well-planned and managed infrastructure, potentially increasing costs compared to cloud-based deployment.
- Cloud-based deployment eliminates the need for hardware management, but reduces control and visibility over security.
- On-premises deployment provides the greatest level of control over infrastructure, while requiring more management and hardware maintenance at greater overall cost.
- On-premises and cloud-based deployments have similar benefits, as the customer controls all security and infrastructure requirements.

Score: 0.00

Correct answer(s):

- On-premises installation is similar to a hybrid deployment, since it balances control and scalability, requiring less maintenance and costs.
- Cloud-based deployment eliminates the need for hardware management, but reduces control and visibility over security.
- On-premises deployment provides the greatest level of control over infrastructure, while requiring more management and hardware maintenance at greater overall cost.
- On-premises and cloud-based deployments have similar benefits, as the customer controls all security and infrastructure requirements.

Single choice

- 40) Your company has a batch job that runs twice a week for 30 minutes to catalog certain items and is tolerant to interruptions.

Which pricing model would meet the requirements and be the most cost effective?

- Dedicated Instance
- Savings Plans
- On Demand
- Spot Instance

Comments: Spot instances are spare EC2 capacity that can save you up to 90% off on demand prices.

Score: 1.00

Single choice

- 41) Your company has begun to modernize and has embraced the cloud due to the many benefits that it provides. After a lengthy migration project, the majority of applications have been moved successfully. However, certain vendors do not support their software on the cloud, therefore these applications will remain on-premises.

What is this deployment model called?

- Hybrid Cloud

Comments: In a hybrid deployment, cloud-based resources are connected to on-premises infrastructure. You might want to use this approach in a number of situations. For example, you have legacy applications that are better maintained on

premises, or government regulations require your business to keep certain records on-premises.

- Community Cloud
- Public Cloud
- Private Cloud

Score: 1.00

Single choice

- 42) Your company wants to use Amazon EC2 Auto Scaling to provision EC2 instances according to changing business requirements.

Which approach would BEST suit this requirement?

- Scheduled scaling
- Manual scaling
- Dynamic scaling

Comments: Dynamic scaling scales the capacity of your Auto Scaling group as traffic changes occur.

- Predictive scaling

Score: 1.00

Multiple choice

- 43) You are employed at a company that is highly regulated. You are tasked with monitoring operational and risk auditing as well as compliance of your AWS account.

Which AWS service can help you meet these audit requirements? (Select TWO)

- Amazon Trusted Advisor
- AWS Config

Comments: AWS Config continually assesses, audits, and evaluates the configurations and relationships of your resources on AWS, on-premises, and on other clouds.

- Amazon CloudWatch
- Amazon Inspector

- AWS CloudTrail

Comments: AWS CloudTrail is an AWS service that helps you enable operational and risk auditing, governance, and compliance of your AWS account. Actions taken by a user, role, or an AWS service are recorded as events in CloudTrail.

Score: 1.00

Single choice

- 44) Your company wants to migrate their workloads to the AWS Cloud. You are a solutions architect, planning to migrate two virtual machines running only one day per week for a batch job. The batch job is flexible and can be stopped, if needed.

Which is the most cost-effective solution?

- Reserved instances
- Run VMware cloud on AWS
- On demand instances
- Spot instances

Comments: As the instances only need to run once a week for doing batch processing and are not needed for longer term, a spot instance would be the most cost-effective option.

Score: 1.00

Single choice

- 45) You have been tasked with building out AWS solutions in your organization and need to ensure that the resources being built in your environment are following AWS best practices.

Which service can provide recommendations around those best practices?

- AWS Trusted Advisor

Comments: AWS Trusted Advisor is a web service that inspects your AWS environment and provides real-time recommendations in accordance with AWS best practices.

- Amazon CloudFront
- AWS CloudTrail
- AWS Artifact

Score: 1.00

Single choice

- 46) A solutions architect is working on an online multiplayer game. To support a high-traffic component, they are searching for a highly scalable NoSQL database that provides single-digit millisecond performance.

Which AWS database service would you recommend to meet the requirements?

- Amazon DynamoDB

Comments: Amazon DynamoDB is a NoSQL database service that provides single-digit millisecond performance at any scale.

- Amazon S3
- Amazon RDS
- Amazon Redshift

Score: 1.00

Single choice

- 47) You are selecting block storage to use with your Amazon EC2 instances. This storage must persist after instance restarts. Additionally, you need to be able to back up this storage by creating snapshots.

Which AWS service allows you to meet these requirements?

- Instance Store
- Amazon RDS
- Amazon EBS

Comments: With Amazon EBS, you can create persistent storage volumes to use with your EC2 instances. EBS volumes can be backed up by creating snapshots.

- Amazon S3

Score: 1.00

Single choice

48) AWS Global Infrastructure allows companies to be flexible and not plan for capacity.

Which feature of the cloud can help to achieve this benefit?

- Security
- Availability
- Scalability

Comments: Customers had to over provision to ensure they had enough resources on hand to handle projected growth. The AWS Cloud allows them to scale up or down as needed.

- Performance

Score: 1.00

Single choice

49) You are searching for a cost-effective storage solution to store historical data for at least 10 years. This data will be accessed once a year to create reports.

What is the best storage option to meet the requirements?

- Amazon EFS
- Amazon S3 Standard
- Amazon S3 Standard-IA

- Amazon S3 Glacier Deep Archive

Comments: Amazon S3 Glacier Deep Archive is designed for long-term storage of archival data. It is a very cost-effective archival storage.

Score: 1.00

Single choice

50) A company is looking to launch a new website. In the short term, they are expecting irregular workloads that cannot be interrupted.

What purchasing option should a company select to optimize their initial cost?

- On-Demand Instances
- Comments: With On-Demand Instances, you pay for compute capacity by the second with no long-term commitments.
- Spot Instances
- Reserved Instances
- Savings Plans

[BACK TO RESULTS](#)