1. Which type of credential should a Cloud Practitioner use for programmatic access to AWS resources from the AWS CLI/API? Access keys
2. Which of the following represents a value proposition for using the AWS Cloud? It is not necessary to enter into long term contracts
3. What are AWS Identity and Access Management (IAM) access keys used for? Making programmatic calls to AWS from AWS API
4. A company uses Amazon EC2 instances to run applications that are dedicated to different departments. The company needs to break out the costs of these applications and allocate them to the relevant department. The EC2 instances run in a single VPC. How can the company achieve these requirements? Create tags by department on the instances and then run a cost allocation report
5. Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Select TWO.) Loose coupling , Remove single points of failure
6. Which tasks can a user complete using the AWS Cost Management tools? (Select TWO.) Automatically terminate AWS resources if budget thresholds are exceeded, Create budgets and receive notifications if current or forecasted usage exceeds the budgets
7. Which of the following deployments involves the reliability pillar of the AWS Well-Architected Framework? Amazon RDS Multi-AZ deployment
8. Which of the following are valid benefits of using the AWS Cloud? (Select TWO.) Fast provisioning of IT resources, Ability to go global quickly
9. For what purpose would a Cloud Practitioner access AWS Artifact? Gain access to AWS security and compliance documents
10. Which AWS service provides a managed software version control system? AWS CodeCommit
11. A startup is developing a web application where users can find articles based on various criteria such as keywords, authors, or topics. They seek an AWS service that can handle this function efficiently. Which service should they use? Amazon OpenSearch Service
12. A company plans to deploy a relational database on AWS. The IT department will perform database administration. Which service should the company use? Amazon EC2
13. A Cloud Practitioner needs a tool that can assist with viewing and managing AWS costs and usage over time. Which tool should the Cloud Practitioner use? AWS Cost Explorer
14. A company is deploying an application on Amazon EC2 that requires low-latency access to application components in an on-premises data center. Which AWS service or resource can the company use to extend their existing VPC to the on-premises data center? AWS Outposts
15. A company plans to use reserved instances to get discounted pricing for Amazon EC2 instances. The company may need to change the EC2 instance type during the one year period. Which instance purchasing option is the MOST cost-effective for this use case? convertible reserved instance
16. A company is planning to deploy an application with a relational database on AWS. The application layer requires access to the database instance’s operating system in order to run scripts. The company prefer to keep management overhead to a minimum. Which deployment should be used for the database? Amazon EC2
17. A user needs to identify underutilized Amazon EC2 instances to reduce costs. Which AWS service or feature will meet this requirement? AWS Trusted Advisor
18. What is the best practice for managing AWS IAM access keys? Customers should rotate access keys regularly
19. A media company wants to find and subscribe to third-party data sources to enrich their existing datasets with new insights. Which AWS service would be the best fit for this requirement? AWS Data Exchange
20. A company must provide access to AWS resources for their employees. Which security practices should they follow? (Select TWO.) Enable multi-factor authentication for users, Create IAM policies based on least privilege principles
21. Which AWS service or feature can assist with protecting a website that is hosted outside of AWS? AWS Web Application Firewall (WAF)
22. Which of the following AWS services are compute services? (Select TWO.) AWS Batch, AWS Elastic Beanstalk
23. A company is deploying a new workload and software licensing requirements dictate that the workload must be run on a specific, physical server. Which Amazon EC2 instance deployment option should be used? Dedicated Hosts
24. A company has many underutilized compute resources on-premises. Which AWS Cloud feature will help resolve this issue? Elasticity
25. Which of the following statements best describes the concept of agility in relation to cloud computing on AWS? (Select TWO.) The ability to experiment quickly, The speed at which AWS resources can be created
26. How much data can a company store in the Amazon S3 service? Virtually unlimited
27. Which AWS feature can be used to launch a pre-configured Amazon Elastic Compute Cloud (EC2) instance? Amazon Machine Image (AMI)
28. A company is planning to move a number of legacy applications to the AWS Cloud. The solution must be cost-effective. Which approach should the company take? Rehost the applications on Amazon EC2 instances that are right-sized
29. Which AWS services can a company use to gather information about activity in their AWS account? (Select TWO.) AWS CloudTrail, Amazon CloudWatch
30. AWS are able to continually reduce their pricing due to: economies of scale
31. A company runs a batch job on an Amazon EC2 instance and it takes 6 hours to complete. The workload is expected to double in volume each month with a proportional increase in processing time. What is the most efficient cloud architecture to address the growing workload? Run the batch workload in parallel across multiple Amazon EC2 instances
32. A company is building a serverless workflow that coordinates multiple AWS services into a reliable application. They want a visual workflow that can track the status of each step in the application. Which AWS service would facilitate creating this kind of workflow? Step functions
33. When running applications in the AWS Cloud, which common tasks can AWS manage on behalf of their customers? (Select TWO.) "Patching database software, Taking a backup of a database
34. A company has multiple AWS accounts and is using AWS Organizations with consolidated billing. Which advantages will they benefit from? (Select TWO.) They will receive one bill for the accounts in the Organization, They may benefit from lower unit pricing for aggregated usage
35. Which AWS service can a team use to deploy infrastructure on AWS using familiar programming languages? AWS Cloud Development Kit (AWS CDK)
36. A company is deploying a MySQL database on AWS. The database must easily scale and have automatic backup enabled. Which AWS service should the company use? Amazon Aurora
37. Which AWS service can a company use to discover and protect sensitive data that is stored in Amazon S3 buckets. Amazon Macie
38. Which of the following can an AWS customer use to launch a new ElastiCache cluster? (Select TWO.) AWS CloudFormation, AWS Management Console
39. An individual IAM user must be granted access to an Amazon S3 bucket using a bucket policy. Which element in the S3 bucket policy should be updated to define the user account for which access will be granted? Principal
40. A company is migrating a monolithic application that does not scale well into the cloud and refactoring it into a microservices architecture. Which best practice of the AWS Well-Architected Framework does this plan relate to? Implement loosely coupled services
41. Which tasks require the use of the AWS account root user? (Select TWO.) Changing the account name, Changing AWS Support plans
42. What is one method of protecting against distributed denial of service (DDoS) attacks in the AWS Cloud? Configure a firewall in front of resources
43. A company is designing a new a service that must align with the operational excellence pillar of the AWS Well-Architected Framework. Which design principles should the company follow? (Select TWO.) Anticipate failure, Perform operations as code
44. Which of the following AWS features or services can be used to provide root storage volumes for Amazon EC2 instances? Amazon Elastic Block Store (EBS)
45. Which resource should a new user on AWS use to get help with deploying popular technologies based on AWS best practices, including architecture and deployment instructions? AWS Partner Solutions
46. Which of the following is a sole responsibility of AWS? Availability Zone management
47. Which AWS Cloud service provides recommendations on how to optimize performance for AWS services? AWS Trusted Advisor
48. What can a Cloud Practitioner use to categorize and track AWS costs by project? Cost Allocation Tags
49. How does the AWS cloud increase the speed and agility of execution for customers? (Select TWO.) Fast provisioning of resources, Scalable compute capacity
50. A company needs to publish messages to a thousands of subscribers simultaneously using a push mechanism. Which AWS service should the company use? Amazon Simple Notification Service (Amazon SNS)
51. An Amazon Virtual Private Cloud (VPC) can include multiple: Availability Zones
52. A Cloud Practitioner anticipates an increase in application traffic at a future date and time when a sales event will take place. How can the Cloud Practitioner configure Amazon EC2 Auto Scaling to ensure the right number of Amazon EC2 instances are available ahead of the event? Configure a scheduled scaling policy
53. A company is deploying an application in the AWS Cloud. How can they secure the application? (Select TWO.) Enable encryption for the application data at rest, Limit access privileges according to the principal of least privilege
54. Which of the following will help a user determine if they need to request an Amazon EC2 service limit increase? AWS Trusted Advisor
55. A user is planning to launch three EC2 instances behind a single Elastic Load Balancer. The deployment should be highly available. How should the user achieve this? Launch the instances across multiple Availability Zones in a single AWS Region
56. Which benefits can a company gain by deploying a relational database on Amazon RDS instead of Amazon EC2? (Select TWO.) Automated backups, Software patching
57. According to the AWS shared responsibility model, which of the following is a responsibility of AWS? Updating the firmware on the underlying EC2 hosts
58. A Cloud Practitioner is developing a new application and wishes to integrate features of AWS services directly into the application. Which of the following is the BEST tool for this purpose? AWS Software Development Kit
59. A website has a global customer base and users have reported poor performance when connecting to the site. Which AWS service will improve the customer experience by reducing latency? Amazon CloudFront
60. A financial services firm wants to build a real-time analytics platform where data can be streamed and analyzed on the fly. They are looking to use Apache Kafka for this, but they want to avoid the overhead of managing the Kafka infrastructure. Which AWS service would be the best fit for this requirement? Amazon MSK
61. A company is deploying a new web application in a single AWS Region that will be used by users globally. Which AWS services will assist with lowering latency and improving transfer speeds for the global users? (Select TWO.) Amazon CloudFront , AWS Global Accelerator
62. An application uses a PostgreSQL database running on a single Amazon EC2 instance. A Cloud Practitioner has been asked to increase the availability of the database so there is automatic recovery in the case of a failure. Which tasks can the Cloud Practitioner take to meet this requirement? Migrate the database to Amazon RDS and enable the Multi-AZ feature
63. A company is launching a new website which is expected to have highly variable levels of traffic. The website will run on Amazon EC2 and must be highly available. What is the MOST cost-effective approach? Create an Amazon EC2 Auto Scaling group and configure an Elastic Load Balancer
64. A Cloud Practitioner needs to monitor a new Amazon EC2 instances CPU and network utilization. Which AWS service should be used? Amazon CloudWatch
65. Customers using AWS services must patch operating systems on which of the following services? Amazon EC2
66. A company needs a consistent and dedicated connection between AWS resources and an on-premise system. Which AWS service can fulﬁl this requirement? AWS Direct Connect
67. A user has limited knowledge of AWS services, but wants to quickly deploy a scalable Node.js application in an Amazon VPC. Which service should be used to deploy the application? AWS Elastic Beanstalk
68. Which of the following best describes an Availability Zone in the AWS Cloud? One or more physical data centers
69. A Cloud Practitioner is re-architecting a monolithic application. Which design principles for cloud architecture do AWS recommend? (Select TWO.) Implement loose coupling, Design for scalability
70. 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? Amazon Inspector
71. A Cloud Practitioner requires a simple method to identify if unrestricted access to resources has been allowed by security groups. Which service can t he Cloud Practitioner use? AWS Trusted Advisor
72. AWS are able to continue to reduce their pricing due to: Economies of scale
73. An application has highly dynamic usage patterns. Which characteristics of the AWS Cloud make it cost-effective for this type of workload? (Select TWO.) Elasticity, Pay-as-you-go pricing
74. According to the AWS Shared responsibility model, which two tasks are the responsibility of AWS? (Select TWO.) Provide physical security for Availability Zones, Patch the operating system of Amazon S3
75. Which AWS hybrid storage service enables a user’s on-premises applications to seamlessly use AWS Cloud storage? AWS Storage Gateway
76. How can an organization take advantage of tiered pricing across multiple business units within an organization? AWS Organizations consolidated billing
77. A company needs to use third-party software for its workload on AWS. Is there a feature or service of AWS that the company can use to purchase the software? AWS Marketplace
78. A company requires a dashboard for reporting when using a business intelligence solution. Which AWS service can a Cloud Practitioner use? Which AWS service can be used? Amazon QuickSight
79. What can a Cloud Practitioner use the AWS Total Cost of Ownership (TCO) Calculator for? Estimate savings when comparing the AWS Cloud to an on-premises environment
80. Which AWS service is a fully-managed source control service that hosts secure Git-based repositories? AWS CodeCommit
81. Which of the following should be used to improve the security of access to the AWS Management Console? (Select TWO.) Strong password policies, AWS Multi-Factor Authentication (AWS MFA)
82. Which AWS service should a Cloud Practitioner use to automate conﬁguration management using Puppet? AWS OpsWorks
83. A Cloud practitioner wants to know if there are services which can protect from DDoS (Distributed Denial of Service) attacks directed at AWS services. Which AWS service or tool will provide this protection? AWS Shield
84. Which benefit of AWS enables companies to replace upfront fixed expenses with variable expenses when using on-demand technology services? Pay-as-you-go pricing
85. According to the shared responsibility mode, which security and compliance task is AWS responsible for? Updating Amazon EC2 host firmware
86. A small business owner who is not tech-savvy is looking to find AWS certified experts for a short-term project. They need a service that can help them connect with professionals who can offer advice and help implement AWS solutions quickly. Which AWS service should they use? AWS IQ
87. Which AWS service can be used to run Docker containers? Amazon Elastic Container Service (ECS)
88. Which cloud architecture design principle is supported by deploying workloads across multiple Availability Zones? Design for failure
89. Which Amazon EC2 tool acts as a virtual firewall to control inbound and outbound traffic to an EC2 instance? Security Group
90. Which of the following is an advantage for a company running workloads in the AWS Cloud vs on-premises? (Select TWO.) Less staff time is required to launch new workloads, Increased productivity for application development teams
91. What should a Cloud Practitioner ensure when designing a highly available architecture on AWS? The failure of a single component should not affect the application
92. A company is migrating virtual machines (VMs) from their data center to the AWS Cloud. The company plans to deploy these migrated machines on Amazon EC2. Which cloud computing model will the company use for this operation? Infrastructure as a Service (IaaS)
93. Which of the following can be used to identify a specific user who terminated an Amazon RDS DB instance? AWS CloudTrail
94. An eCommerce company plans to use the AWS Cloud to quickly deliver new functionality in an iterative manner, minimizing the time to market. Which feature of the AWS Cloud provides this functionality? Agility
95. Which AWS service helps customers meet corporate, contractual, and regulatory compliance requirements for data security by using dedicated hardware appliances within the AWS Cloud? AWS CloudHSM
96. Which service can a Cloud Practitioner use to configure custom cost and usage limits and enable alerts for when defined thresholds are exceeded? AWS Budgets
97. A corporation with multiple departments each having their own AWS accounts wants to implement a solution to customize billing data to match their specific showback or chargeback business logic. They wish to group accounts with similar financial owners and generate a distinct Cost and Usage Report (CUR) for each group. Which AWS service should they use to meet these requirements? AWS Billing Conductor
98. A cloud practitioner needs to migrate a 70 TB of data from an on-premises data center into the AWS Cloud. The company has a slow and unreliable internet connection. Which AWS service can the cloud practitioner leverage to transfer the data? AWS Snowball
99. Which AWS service is used to send both text and email messages from distributed applications? Amazon Simple Notification Service (SNS)
100. Which AWS-managed service can be used to process vast amounts of data using a hosted Hadoop framework? Amazon EMR
101. Which benefits can a company immediately realize using the AWS Cloud? (Select TWO.) Capital expenses are replaced with variable expenses, Increased agility
102. Which Amazon EC2 pricing model should be avoided if a workload cannot accept interruption if capacity becomes temporarily unavailable? Spot Instances
103. Which of the following tasks can a user perform to optimize Amazon EC2 costs? (Select TWO.) Implement Auto Scaling groups to add and remove instances based on demand, Purchase Amazon EC2 Reserved Instances
104. What is the function of Amazon EC2 Auto Scaling? Scales the number of EC2 Instances in or out automatically, based on demand
105. Which AWS service does AWS Snowball Edge natively support? Amazon EC2
106. Which AWS service should a Cloud Practitioner use to establish a secure network connection between an on-premises network and AWS? Virtual Private Network
107. Which AWS service can be used to perform data extract, transform, and load (ETL) operations so you can prepare data for analytics? AWS Glue
108. Amazon S3 is typically used for which of the following use cases? (Select TWO.) Host a static website, Media hosting
109. Which on-premises costs must be included in a Total Cost of Ownership (TCO) calculation when comparing against the AWS Cloud? (Select TWO.) Physical compute hardware, Network infrastructure in the data center
110. Which of the following are valid best practices for using the AWS Identity and Access Management (IAM) service? (Select TWO.) Create individual IAM users, Use groups to assign permissions to IAM users
111. 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? AWS Personal Health Dashboard
112. Which of the statements below is correct in relation to Consolidated Billing? (Select TWO.) You receive a single bill for multiple accounts, You can combine usage and share volume pricing discounts
113. A Service Control Policy (SCP) is used to manage the maximum available permissions and is associated with which of the following? Service control policies (SCPs) manage permissions for which of the following? AWS Organizations
114. Which AWS service or feature allows a company to receive a single monthly AWS bill when using multiple AWS accounts? Consolidated billing
115. Which AWS service can be used to load data from Amazon S3, transform it, and move it to another destination? AWS Glue
116. Which of the following statements are security principles within the AWS Well-Architected Framework? (Select TWO.) Monitor, alert, and audit actions and changes to AWS resources, Protect data in transit and at rest
117. A newly founded tech startup is looking for a program that offers AWS credits, training, technical support, and other resources to help them build their business. Which AWS program would be the best fit for them? AWS Activate for Startups
118. What can be used to allow an application running on an Amazon EC2 instance to securely store data in an Amazon S3 bucket without using long-term credentials? AWS IAM role
119. According to the AWS shared responsibility model, which task is the customer's responsibility? Updating the guest operating system on Amazon EC2 instances
120. How can an organization gain access to compliance reports natively through the AWS console? AWS Artifact
121. A company plan to move the application development to AWS. Which benefits can they achieve when developing and running applications in the AWS Cloud compared to on-premises? (Select TWO.) AWS makes it easy to implement high availability, AWS can accommodate large changes in application demand
122. A Cloud Practitioner wants to configure the AWS CLI for programmatic access to AWS services. Which credential components are required? (Select TWO.) An access key ID, A secret access key
123. According to the shared responsibility model, which security-related task is the responsibility of the customer? Maintaining server-side encryption
124. Which AWS services offer compute capabilities? (Select TWO.) Amazon ECS, AWS Lambda
125. Which technology can automatically adjust compute capacity as demand for an application increases or decreases? Auto Scaling
126. How should an organization deploy an application running on multiple EC2 instances to ensure that a power failure does not cause an application outage? Launch the EC2 instances into different Availability Zones
127. A company is interested in moving its on-premises NoSQL database into the AWS Cloud. Which AWS service should the company use to replace their existing database? Amazon DynamoDB
128. A new e-commerce company is looking for an AWS service to send transactional emails, such as order confirmations and password resets, to their customers. Which AWS service would be most appropriate for this task? Amazon Simple Email Service (Amazon SES)
129. A Cloud Practitioner noticed that IP addresses that are owned by AWS are being used to attempt to flood ports on some of the company’s systems. To whom should the issue be reported? AWS Trust & Safety team
130. A company has a global user base and needs to deploy AWS services that can decrease network latency for their users. Which services may assist? (Select TWO.) Amazon CloudFront, AWS Global Accelerator
131. Which IAM entity is associated with an access key ID and secret access key? IAM User
132. How does the AWS global infrastructure offer high availability and fault tolerance to customers? The AWS infrastructure consists of isolated AWS Regions with independent Availability Zones that are connected with low-latency networking and redundant power supplies
133. Which of the following are advantages of the AWS Cloud? (Select TWO.) High economies of scale, Launch globally in minutes
134. An Amazon EC2 instance running the Amazon Linux 2 AMI is billed in what increment? Per second
135. 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? AWS Trusted Advisor
136. Which AWS service provides a cloud-based integrated development environment (IDE) that lets you write, run, and debug your code with just a browser, without needing to install any software or configure servers? AWS Cloud9
137. A company needs to invoke an AWS Step Functions workflow each time an Amazon EC2 instance state changes. Which AWS service can the company use to meet this requirement? Amazon EventBridge
138. A manager is planning to migrate applications to the AWS Cloud and needs to obtain AWS compliance reports. How can these reports be generated? Download the reports from AWS Artifact
139. AWS Global Infrastructure consists of which of the following components? AWS Regions
140. Which AWS service or feature can be used to restrict the individual API actions that users and roles in each member account can access? AWS Organizations
141. A company needs to optimize costs and resource usage through monitoring of operational health for all resources running on AWS. Which AWS service will meet these requirements? Amazon CloudWatch
142. A company has 50 different business units and requires that each business unit's billing information is viewed separately. What should a cloud practitioner recommend? Tag each business unit's resources, then filter by unit in Cost Explorer
143. A company has been using an AWS managed IAM policy for granting permissions to users but needs to add some permissions. How can this be achieved? Create a custom IAM policy
144. Which pillar of the AWS Well-Architected Framework includes the design principle of defining workloads, applications, and infrastructure as code (IaC)? Operational excellence
145. Under the AWS shared responsibility model, which actions are the responsibility of AWS? (Select TWO.) Scanning AWS service endpoints for vulnerabilities, Encrypting traffic on the AWS backbone between global and regional AWS facilities
146. How does Amazon EC2 Auto Scaling help with resiliency? By launching and terminating instances as needed
147. You have been running an on-demand Amazon EC2 instance running Linux for 4hrs, 5 minutes and 6 seconds. How much time will you be billed for? 4hrs, 5 minutes and 6 seconds
148. A company requires a single service which can manage their backup and restore requirements, their data lakes, and archives all in one place. Which AWS service is suitable for all these use cases? Amazon Simple Storage Service (Amazon S3)
149. How does Amazon CloudFront deliver content to end users with low latency using the AWS global infrastructure? Edge locations
150. Are there any AWS services or features that will identify and search for externally shared AWS resources? AWS IAM Access Analyzer
151. An architecture's ability to withstand failures with minimal downtime demonstrates which AWS Cloud benefit? High Availability
152. AWS Direct Connect is used by a company that wants to establish connectivity across multiple AWS Regions using VPCs. Which AWS service or feature should the company use to meet these requirements? AWS Transit Gateway
153. What is a benefit of moving an on-premises database to Amazon Relational Database Service (RDS)? There is no need to manage operating systems
154. An organization recently migrated to AWS and wants to enable intelligent threat protection and continuous monitoring across all its accounts. Which AWS service should the company use to achieve this goal? Amazon GuardDuty
155. A company plans to connect their on-premises data center to the AWS Cloud and requires consistent bandwidth and performance. Which AWS service should the company choose? AWS Direct Connect
156. Which Amazon EC2 pricing model is the most cost-effective for an always-up, right-sized database server running a project that will last 1 year? Standard Reserved Instances
157. To gain greater discounts, which services can be reserved? (Select TWO.) Amazon RedShift, Amazon DynamoDB
158. Which AWS service or feature can be used to capture information about inbound and outbound IP traffic on network interfaces in a VPC? VPC Flow Log
159. Which of the following are advantages of the AWS Cloud? (Select TWO.) Users can stop spending money on the maintenance of data centers, Users can stop guessing about resource capacity
160. Which authentication method is used to authenticate programmatic calls to AWS services? Access keys
161. A company has a mission critical Linux-based application. The application must run every Monday from 6 AM until 10pm. As the application is critical, it cannot be interrupted. Which Amazon EC2 instance purchasing option meets these requirements MOST cost-effectively? On-Demand Capacity Reservation with Savings Plan
162. Which AWS service can be used to track the activity of users on AWS? AWS CloudTrail
163. Which service can be used to easily create multiple accounts? AWS Organizations
164. What are the benefits of using Amazon Rekognition with image files? Can be used to identify objects in an image
165. Under the AWS shared responsibility model, which of the following is an example of customer responsibility in the AWS Cloud? Firewall conﬁguration
166. Which AWS services facilitate building secure and scalable mobile and web applications, offering features such as real-time updates and offline functionalities? (Select TWO.) AWS AppSync, AWS Amplify
167. Which AWS tools can be used for automation? (Select TWO.) AWS Elastic Beanstalk, AWS CloudFormation
168. How can a user block a suspicious IP address from connecting to an Amazon EC2 instance? Block the IP on the inbound rule of a network ACL
169. Which of the below is an example of an architectural benefit of moving to the cloud? Elasticity
170. Which of the following is an advantage of AWS Cloud computing? Trade fixed expenses for variable expenses
171. Which AWS service supports an in-memory data structure store, compatible with Redis, that delivers sub-millisecond latency for use cases such as caching, session stores, and real-time analytics? Amazon MemoryDB
172. What is a specific benefit of an Enterprise Support plan? Included Technical Account Manager
173. Which AWS service provides on-demand downloads of AWS security and compliance reports? AWS Artifact
174. Your CTO wants to move to cloud. What cost advantages are there to moving to cloud? You provision only what you need and adjust to peak load
175. Which IAM entity can be used for assigning permissions to AWS services? IAM Role
176. An IT company has deployed its infrastructure on the AWS cloud. There must be a database that supports reads with a latency of under a millisecond for critical applications. Which AWS service will meet this requirement? Amazon ElastiCache
177. A security operations engineer needs to implement threat detection and monitoring for malicious or unauthorized behavior. Which service should be used? AWS GuardDuty
178. A new web application is being developed by a company. Logging into the application through a social identity provider is a must have requirement for the company. Which AWS service will meet these requirements? Amazon Cognito
179. Which service allows an organization to view operational data from multiple AWS services through a unified user interface and automate operational tasks? AWS Systems Manager
180. After an organization has migrated several servers into AWS, they are unsure as to what they must directly manage themselves. Which cost is the company's direct responsibility? Cost of application software licenses
181. Which IAM entity can be used for assigning permissions to multiple users? IAM group
182. A company currently uses a Security Assertion Markup Language (SAML) based application to log in to third-party business applications and would like to have this hosted in AWS using managed services. Which AWS service will meet this requirement? Amazon Cognito
183. It is important for users to have access to as many resources as they need. Also, the user needs the ability to scale up and down quickly. These capabilities are described by which AWS Cloud benefit? Elasticity
184. Which AWS service helps you deploy application configuration changes with features like validation checks and timely deployment while avoiding the need to write additional code or restart application services? AWS AppConfig
185. What are the benefits of using reserved instances? (Select TWO.) Reduced cost, Reserve capacity
186. Which AWS services are associated with Edge Locations? (Select TWO.) Amazon CloudFront, AWS Shield
187. Which service can be used to cost-effectively move exabytes of data into AWS? AWS Snowmobile
188. How can an organization track resource inventory and configuration history for the purpose of security and regulatory compliance? Configure AWS Config with the resource types
189. An ecommerce company is using Auto Scaling groups to manage a group of web servers running on Amazon EC2 and are additionally placed behind an Elastic Load balancer. This architecture follows which AWS Well-Architected Framework best practice? Design for failure
190. A company has a website that delivers static content from an Amazon S3 bucket to users from around the world. Which AWS service will deliver the content with low latency? Amazon CloudFront
191. An organization is considering implementing a new workload in the AWS Cloud. However, the company first wants to forecast costs. Which tool should the company use to estimate the cost of the workload? AWS Pricing Calculator
192. A company has many different business units all using the same AWS services to manage their different applications. Which AWS service or tool can the company use to receive volume discounts across multiple AWS accounts? AWS Organizations
193. Which AWS service or VPC component allows inbound traffic from the internet to access a VPC? Internet gateway
194. An organization moves a workload to Amazon EC2 instances on AWS. Cost-effectiveness is the key to running the workload properly in the Cloud. What can the company do to meet this requirement? Rightsize all the EC2 instances that are used in the deployment
195. What AWS service decouples application components so that they can run independently? Amazon Simple Queue Service (SQS)
196. Which service can be used to improve performance for users around the world? Amazon CloudFront
197. Which AWS service lets you add user sign up, sign-in and access control to web and mobile apps? Amazon Cognito
198. Which AWS service should be used to create a billing alarm? Amazon CloudWatch
199. A company is considering migrating from on-premises to the AWS Cloud. In order to handle the workload efficiently, the IT team needs to offload this heavy lifting as much as possible. What should the IT team do to accomplish this goal? Use AWS Managed Services to provision, run, and support the company infrastructure
200. Which of the following need to be included in a total cost of ownership (TCO) analysis? (Select TWO.) Facility equipment installation, Data center security costs
201. Which AWS service helps you continuously audit your AWS usage to simplify how you assess risk and compliance with regulations and industry standards? AWS Audit Manager
202. The ability to horizontally scale Amazon EC2 instances based on demand is an example of which concept? Elasticity
203. A company needs significant cost savings for their non-interruptible workloads on AWS. Which EC2 instance pricing model should the company select? Reserved instances
204. Which AWS service monitors AWS accounts continuously for malicious activity and unauthorized behavior? Amazon GuardDuty
205. Which storage type can be mounted using the NFS protocol to many EC2 instances simultaneously? Amazon EFS
206. How can consolidated billing within AWS Organizations help lower overall monthly expenses? By pooling usage across multiple accounts to achieve a pricing tier discount
207. When an Amazon EC2 instance is stopped, which of the following AWS services can be used to identify the user who stopped it? AWS CloudTrail
208. AWS Business Support customers have access to which of the following? AWS Health API
209. What is the benefit of using fully managed services compared to deploying 3rd party software on EC2? Reduced operational overhead
210. Which tool can be used to create alerts when the actual or forecasted cost of AWS services exceed a certain threshold? AWS Budgets
211. Which AWS service enables hybrid cloud storage between on-premises and the AWS Cloud? AWS Storage Gateway
212. Which AWS services are delivered globally rather than regionally? (Select TWO.) Amazon CloudFront, Amazon Route 53
213. Which Amazon EC2 pricing model should be used to comply with per-core software license requirements? Dedicated Hosts
214. Which service can be added to a database to provide improved performance for some requests? Amazon ElastiCache
215. The AWS shared responsibility model is included in which pillar of the AWS Well-Architected Framework? Security
216. What does an organization need to do to move to another AWS region? Just start deploying resources in the additional region
217. What is the main benefit of the principle of “loose coupling”? Reduce interdependencies so a failure in one component does not cascade to other components
218. Which of the following can be assigned to an IAM user? (Select TWO.) An access key ID and secret access key, A password for access to the management console
219. In order to perform analytical tasks, a company needs a data warehouse. Standard SQL queries must be supported by the data warehouse Which AWS service meets these requirements? Amazon Redshift
220. There is a need to perform queries and to search and analyze logs interactively within an organization. Which AWS service or feature will meet this requirement? Amazon CloudWatch Logs Insights
221. 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? Open a production system down support case
222. An organization has multiple AWS accounts and uses a mixture of on-demand and reserved instances. One account has a considerable amount of unused reserved instances. How can the organization reduce their costs? (Select TWO.) Create an AWS Organization configuration linking the accounts, Setup consolidated billing between the accounts
223. In AWS IAM, what are the characteristics of users and groups? (Select TWO.) A user can be a member of multiple groups, Groups can contain users only and cannot be nested
224. Which service can be used to manage configuration versions? AWS Config
225. Which statement is true in relation to data stored within an AWS Region? Data is not replicated outside of a region unless you configure it
226. Which actions are the responsibility of AWS, according to the AWS shared responsibility model? (Select TWO.) Securing the virtualization layer, Patching the operating system on Amazon RDS instances
227. What are two components of Amazon S3? (Select TWO.) Buckets, Objects
228. The AWS acceptable use policy for penetration testing allows? Customers to carry out security assessments or penetration tests against their AWS infrastructure without prior approval for selected services
229. An organization has an on-premises cloud and accesses their AWS Cloud over the Internet. How can they create a private hybrid cloud connection that avoids the internet? AWS Direct Connect
230. How does “elasticity” benefit an application design? By automatically scaling resources based on demand
231. When performing a total cost of ownership (TCO) analysis between on-premises and the AWS Cloud, which factors are only relevant to on-premises deployments? (Select TWO.) Hardware procurement teams, Facility operations costs
232. Which of the following security related activities are AWS customers responsible for? (Select TWO.) Installing patches on Windows operating systems, Implementing IAM password policies
233. Which statement is correct in relation to the AWS Shared Responsibility Model? AWS are responsible for the security of regions and availability zones
234. When a company moves an on-premises, internet-facing website to the AWS Cloud, what benefits does it obtain? (Select TWO.) Website capacity can expand or contract as website traffic changes, The company can take advantage of the pay-as-you-go pricing model
235. Which of the following are architectural best practices for the AWS Cloud? (Select TWO.) Deploy into multiple Availability Zones, Design for fault tolerance
236. A company wants to push VPC flow logs to Amazon S3. What action is the company responsible for under the Shared Responsibility Model? Managing the encryption options on the S3 bucket
237. Which services can be used for asynchronous integration between application components? (Select TWO.) Amazon Simple Queue Service (SQS), Amazon Step Functions
238. An IT company requires a private, encrypted channel of communication between its on-premises data center and a VPC in the AWS Cloud. Which AWS service or feature meets this requirement? AWS PrivateLink
239. It is necessary for a company to have access to scalable, highly reliable, and fully managed file storage that runs on the Server Message Block (SMB) protocol. Which AWS service will meet these requirements? Amazon FSx for Windows File Server
240. When storing passwords on AWS, what is the MOST secure method? Store passwords in AWS Secrets Manager
241. What AWS service offers managed DDoS protection? AWS Shield
242. An organization is migrating to AWS Cloud. During the migration, the company needs
243. company requires a response within 30 minutes in the event of a business-critical system failure. Which AWS Support plans meet these requirements? (Select TWO.) AWS Enterprise Support, AWS Enterprise On-Ramp Support
244. Which service can be used to assign a policy to a group? AWS IAM
245. In which AWS service can a company collect data about the configuration, usage, and behavior of its on-premises data centers to assist in planning a migration to AWS? AWS Application Discovery Service
246. A system administrator discovers that several Amazon EC2 instances have been terminated. It is the responsibility of the system administrator to identify the user or AWS API call that terminated these instances. Which AWS service should the system administrator use to meet this requirement? AWS CloudTrail
247. Which AWS service uses machine learning to enable natural language search capabilities in your applications, making it easier to find the precise answer to your questions within a large set of documents? Amazon Kendra
248. Which AWS service provides a quick and automated way to create and manage AWS accounts? AWS Organizations
249. Remote employees need access to managed Windows virtual desktops and applications over secure networks. Which AWS services can the company use to meet these requirements? (Select TWO.) Amazon Workspaces, AWS Site-to-Site VPN
250. An organization is migrating its application from on-premises SQL Server to AWS. As part of the migration, the company wants to reduce operational overhead, but lacks the resources to refactor the application. Which database service would MOST effectively support these requirements? Amazon RDS for SQL Server
251. As part of its cloud architecture, a company wants its workloads to be resilient, perform correctly, consistently, and recover from errors in a timely manner. Which pillar of the AWS Well-Architected Framework are these requirements related to? Reliability
252. Which team is available to support AWS customers on an Enterprise support plan with account issues? AWS Concierge
253. What fully managed AWS service allows users to bring their own machine learning algorithms? Amazon SageMaker
254. Which AWS service uses machine learning to analyze historical usage patterns and identify the optimal AWS resources for reducing costs and improving performance for your workloads? AWS Compute Optimizer
255. Which of the following are advantages of the AWS Cloud? (Select TWO.) AWS manages the maintenance of the cloud infrastructure, AWS manages capacity planning for physical servers
256. What does an organization need to do in Amazon IAM to enable user access to services being launched in new region? Nothing, IAM is global
257. Which AWS service guides you through the sizing, configuration, and deployment of applications on AWS, and supports applications like SQL Server always-on and SAP on AWS? AWS Launch Wizard
258. Which of the following is a benefit of moving to the AWS Cloud? Pay for what you use
259. Which feature of AWS IAM enables you to identify unnecessary permissions that have been assigned to users? Access Advisor
260. How can I deploy AWS Cloud infrastructure to multiple AWS Regions quickly, automatically, and reliably? Create and use an AWS CloudFormation template
261. Which AWS support plan provides email only support by Cloud Support Associates? Developer
262. With which service can a developer upload code using a ZIP or WAR file and have the service handle the end-to-end deployment of the resources? AWS Elastic Beanstalk
263. What is the relationship between subnets and availability zones? You can create one or more subnets within each availability zone
264. Which AWS service provides fully managed third-party file systems, with native compatibility and a rich feature set, to be used with a broad range of AWS services? Amazon FSx
265. Which service provides alerts and remediation guidance when AWS is experiencing events that may impact you? AWS Health Dashboard
266. Which AWS feature of Amazon EC2 allows an administrator to create a standardized image that can be used for launching new instances? Amazon Machine Image (AMI)
267. A cloud practitioner needs to decrease application latency and increase performance for globally distributed users. Which services can assist? (Select TWO.) Amazon CloudFront, Amazon S3
268. Which service is used introduce fault tolerance into an application architecture? Amazon Elastic Load Balancing
269. A company is looking to centrally configure and manage firewall rules across their AWS environment. Which AWS services can assist in applying firewall rules consistently across AWS VPCs and accounts? (Select TWO.) AWS Firewall Manager, AWS Network Firewall
270. Which support plan is the lowest cost option that allows unlimited cases to be open? Developer
271. Which of the following must be used together to gain programmatic access to an AWS account? (Select TWO.) An access key ID, A secret access key
272. Which type of storage stores objects comprised of key, value pairs? Amazon S3
273. Which AWS program can help an organization to design, build, and manage their workloads on AWS? APN Consulting Partners
274. How can you configure Amazon Route 53 to monitor the health and performance of your application? Using Route 53 health checks
275. Which service allows an organization to bring their own licensing on host hardware that is physically isolated from other AWS accounts? EC2 Dedicated Hosts
276. Which of the following descriptions is incorrect in relation to the design of Availability Zones? "Each subnet in a VPC is mapped to all AZs in the region
277. Which AWS service allows you to securely share your AWS resources across AWS accounts or within your organization, helping you to reduce operational overhead and to centrally manage access to the shared resources? AWS Resource Access Manager (AWS RAM)
278. What are the benefits of using IAM roles for applications that run on EC2 instances? (Select TWO.) More secure than storing access keys within applications, It is easier to manage IAM roles
279. To reward customers for using their services, what are two ways AWS reduce prices? (Select TWO.) Volume based discounts when you use more services, "Reduced cost for reserved capacity
280. What offerings are included in the Amazon LightSail product set? (Select TWO.) Virtual Private Server, Managed MySQL database
281. How can an online education company ensure their video courses play with minimal latency for their users around the world? Use Amazon CloudFront to get the content closer to users
282. Which AWS service is designed to minimize downtime and data loss with fast, reliable recovery of on-premises and cloud-based applications using affordable storage, and minimal compute? AWS Elastic Disaster Recovery
283. What is an Edge location? A content delivery network (CDN) endpoint for CloudFront
284. A company wants to utilize a pay as you go cloud model for all of their applications without CAPEX costs and which is highly elastic. Which cloud delivery model will suit them best? Public
285. Which services allow you to store files on AWS? (Select TWO.) Amazon EBS, Amazon EFS
286. Which service is used for caching data? Amazon DynamoDB DAX
287. Which AWS components aid in the construction of fault-tolerant applications? (Select TWO.) Elastic IP addresses, AMIs
288. Which type of Amazon RDS automated backup allows you to restore the database with a granularity of as little as 5 minutes? Point-in-time recovery
289. Which tools can you use to manage identities in IAM? (Select TWO.) AWS Management Console, AWS Command Line Tools
290. 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? AWS Regions
291. Which AWS service is part of the suite of "serverless" services and runs code as functions? AWS Lambda
292. Which DynamoDB feature provides in-memory acceleration to tables that result in significant performance improvements? Amazon DynamoDB Accelerator (DAX)
293. Which of the following statements is correct about Amazon S3 cross-region replication? S3 buckets conﬁgured for cross-region replication can be owned by a single AWS account or by different accounts
294. What are the primary benefits of using AWS Elastic Load Balancing? (Select TWO.) High availability, Elasticity
295. A user deploys an Amazon Aurora database instance in multiple Availability Zones. This strategy involves which pillar of the AWS Well-Architected Framework? Reliability
296. What feature of Amazon S3 enables you to set rules to automatically transfer objects between different storage classes at defined time intervals? Object Lifecycle Management
297. How can a company protect their Amazon S3 data from a regional disaster? Use Cross-Region Replication (CRR) to copy to another region
298. What are two benefits of using AWS Lambda? (Select TWO.) No servers to manage, Continuous scaling (scale out)
299. A company has deployed several relational databases on Amazon RDS. Every month, the database software vendor releases new security patches that need to be applied to the database. What is the MOST efficient way to apply the security patches? Enable automatic patching for the instances using the Amazon RDS console
300. Which of the following Amazon EC2 pricing models allows customers to use existing server-bound software licenses? Dedicated hosts
301. Which AWS service lets connected devices easily and securely interact with cloud applications and other devices? AWS IoT Core
302. Which AWS IAM best practice recommends applying the minimum permissions necessary to perform a task when creating IAM policies? Grant least privilege
303. What charges are applicable to Amazon S3 Standard storage class? (Select TWO.) Per GB/month storage fee, Data egress
304. What information must be entered into the AWS TCO Calculator? The number of servers in your company
305. What are two correct statements about AWS Organizations with consolidated billing? (Select TWO.) One bill provided for multiple accounts, Volume pricing discounts applied across multiple accounts
306. Which service runs your application code only when needed without needing to run servers? AWS Lambda
307. When designing a VPC, what is the purpose of an Internet Gateway? Enables Internet communications for instances in public subnets
308. An Elastic IP Address can be remapped between EC2 instances across which boundaries? Availability Zones
309. What is the name of the AWS managed Docker registry service used by the Amazon Elastic Container Service (ECS)? Elastic Container Registry
310. An application that is deployed across multiple Availability Zones could be described as: Being highly available
311. Which AWS service enables developers and data scientists to build, train, and deploy machine learning models? Amazon SageMaker
312. How can a company connect from their on-premises network to VPCs in multiple regions using private connections? AWS Direct Connect Gateway
313. Under the AWS Shared Responsibility Model, which of the following is the customer NOT responsible for? Installing firmware updates on host servers
314. A company needs protection from distributed denial of service (DDoS) attacks on its website and assistance from AWS experts during such events. Which AWS managed service will meet these requirements? AWS Shield Advanced
315. Which of the below is an example of optimizing for cost? Replace an EC2 compute instance with AWS Lambda
316. Which service can you use to monitor, store and access log files generated by EC2 instances and on-premises servers? Amazon CloudWatch Logs
317. A Cloud Practitioner needs to rapidly deploy a popular IT solution and start using it immediately. What should the Cloud Practitioner use? "AWS Quick Start reference deployments
318. Which of the following would be good reasons to move from on-premises to the AWS Cloud? (Select TWO.) Reduce costs through easier right-sizing of workloads, Improve agility and elasticity
319. Which AWS services form the app-facing services of the AWS serverless infrastructure? (Select TWO.) AWS Lambda, Amazon API Gateway
320. Which AWS service can assist with providing recommended actions on cost optimization? AWS Trusted Advisor
321. A developer needs a way to automatically provision a collection of AWS resources. Which AWS service is primarily used for deploying infrastructure as code? AWS CloudFormation
322. Which type of EBS volumes can be encrypted? Both non-root and root volumes
323. Which of the following are advantages of using the AWS cloud computing over legacy IT? (Select TWO.) You don't need to worry about over provisioning as you can elastically scale, You can bring new applications to market faster
324. What is the name of the online, self-service portal that AWS provides to enable customers to view reports and, such as PCI reports, and accept agreements? AWS Artifact
325. Which AWS security service provides a firewall at the subnet level within a VPC? Network Access Control List
326. Which AWS database service is schema-less and can be scaled dynamically without incurring downtime? Amazon DynamoDB
327. Which AWS Cloud design principles can help increase reliability? (Select TWO.) Testing recovery procedures, Automatically recovering from failure
328. What is the name for the top-level container used to hold objects within Amazon S3? "Bucket
329. Which AWS service is suitable for an event-driven workload? AWS Lambda
330. Which AWS support plans provide 24x7 access to customer service? All plans
331. Which AWS security tool uses an agent installed in EC2 instances and assesses applications for vulnerabilities and deviations from best practices? AWS Inspector
332. Your manager has asked you to explain the benefits of using IAM groups. Which of the below statements are valid benefits? (Select TWO.) Groups let you specify permissions for multiple users, which can make it easier to manage the permissions for those users, Enables you to attach IAM permission policies to more than one user at a time
333. An organization is seeking a fully managed service to create and publish interactive dashboards that can be accessed from any device. Which AWS service would be the most appropriate choice for this requirement? Amazon QuickSight
334. Which of the following acts as a virtual ﬁrewall at the Amazon EC2 instance level to control traffic for one or more instances? "Security groups
335. A web application running on AWS has been received malicious requests from the same set of IP addresses. Which AWS service can help secure the application and block the malicious trafﬁc? AWS WAF
336. You need to connect your company’s on-premise network into AWS and would like to establish an AWS managed VPN service. Which of the following configuration items needs to be setup on the Amazon VPC side of the connection? A Virtual Private Gateway
337. Based on the shared responsibility model, which of the following security and compliance tasks is AWS responsible for? Updating Amazon EC2 host firmware
338. Which of the following are NOT features of AWS IAM? (Select TWO.) Logon using local user accounts, Charged for what you use
339. Which AWS service provides the ability to detect inadvertent data leaks of personally identiﬁable information (PII) and user credential data? Amazon Macie
340. What are the advantages of running a database service such as Amazon RDS in the cloud versus deploying on-premise? (Select TWO.) Scalability is improved as it is quicker to implement and there is an abundance of capacity, High availability is easier to implement due to built-in functionality for deploying read replicas and multi-AZ
341. A company is using the AWS CLI and programmatic access of AWS resources from its on-premises network. What is a mandatory requirement in this scenario? Using an AWS access key and a secret key
342. Which type of Elastic Load Balancer operates at the TCP connection level? Network Load Balancer (NLB)
343. A Cloud Practitioner is creating the business process workflows associated with an order fulfilment system. Which AWS service can assist with coordinating tasks across distributed application components? Amazon SWF
344. Which of the following are pillars from the six pillars of the AWS Well-Architected Framework? (Select TWO.) Operational excellence, Sustainability
345. When an organization leverages the AWS Cloud Adoption Framework for migrating to the cloud, which two of the following would most likely be the primary stakeholders involved in the process? (Select TWO.) Chief Information Officers (CIOs), IT Architects
346. Which AWS service or feature helps restrict the AWS service, resources, and individual API actions the users and roles in each member account can access? AWS Organizations
347. Under the AWS shared responsibility model, which of the following are customer responsibilities? (Select TWO.) Setting up server-side encryption on an Amazon S3 bucket, Network and ﬁrewall conﬁgurations
348. Which feature of Amazon S3 enables you to create rules to control the transfer of objects between different storage classes? Lifecycle management
349. According to the AWS Well-Architected Framework, what change management steps should be taken to achieve reliability in the AWS Cloud? (Select TWO.) Use AWS Conﬁg to generate an inventory of AWS resources, Use AWS CloudTrail to record AWS API calls into an auditable log ﬁle
350. What is the easiest way to store a backup of an EBS volume on Amazon S3? Create a snapshot of the volume
351. Which type of AWS database is ideally suited to analytics using SQL queries? Amazon RedShift
352. Which AWS Glacier data access option retrieves data from an archive in 1-5 minutes? Expedited
353. Which of the authentication options below can be used to authenticate using AWS APIs? (Select TWO.) Access keys, Server certificates
354. Under the AWS Shared Responsibility Model, who is responsible for what? (Select TWO.) Customers are responsible for networking traffic protection, AWS are responsible for networking infrastructure
355. Which AWS technology enables you to group resources that share one or more tags? Resource groups
356. Which AWS service makes it easy to coordinate the components of distributed applications as a series of steps in a visual workflow? AWS Step Functions
357. Which service allows you to monitor and troubleshoot systems using system and application log files generated by those systems? CloudWatch Logs
358. How can a systems administrator specify a script to be run on an EC2 instance during launch? User Data
359. According to the AWS Shared Responsibility Model, which of the following is a shared control? Awareness and training
360. How can you deploy your EC2 instances so that if a single data center fails you still have instances available? Across Availability Zones
361. Which AWS service is designed to be used for operational analytics? Amazon Elasticsearch Service
362. In the AWS Cloud Adoption Framework, which perspective focuses on identifying capability gaps and helping your organization align its readiness for cloud adoption? Align
363. Which type of scaling does Amazon EC2 Auto Scaling provide? Horizontal
364. Which resource should you use to access AWS security and compliance reports? AWS Artifact
365. Which AWS service can serve a static website? Amazon S3
366. Your organization has offices around the world and some employees travel between offices. How should their accounts be setup? IAM is a global service, just create the users in one place
367. Where are Amazon EBS snapshots stored? On Amazon S3
368. What methods are available for scaling an Amazon RDS database? (Select TWO.) You can scale up by moving to a larger instance size, You can scale up by increasing storage capacity
369. Which pricing model will interrupt a running Amazon EC2 instance if capacity becomes temporarily unavailable? Spot Instances
370. Your company has recently migrated to AWS. How can your CTO monitor the organization’s costs? AWS Cost Explorer
371. Under the shared responsibility model, which of the following tasks are the responsibility of the AWS customer? (Select TWO.) Ensuring that application data is encrypted at rest, Ensuring that users have received security training in the use of AWS services
372. What do you need to log into the AWS console? User name and password
373. You are evaluating AWS services that can assist with creating scalable application environments. Which of the statements below best describes the Elastic Load Balancer service? Automatically distributes incoming application traffic across multiple targets, such as Amazon EC2 instances, containers, and IP addresses
374. Which HTTP code indicates a successful upload of an object to Amazon S3? 200
375. The AWS Cost Management tools give users the ability to do which of the following? (Select TWO.) Break down AWS costs by day, service, and linked AWS account, Create budgets and receive notiﬁcations if current or forecasted usage exceeds the budgets
376. How can a company facilitate the sharing of data over private connections between two accounts they own within a region? Create a VPC peering connection
377. What is the most efficient way to establish network connectivity from on-premises to multiple VPCs in different AWS Regions? Use an AWS Transit Gateway
378. Which AWS service can be used to run Docker containers? AWS Fargate
379. Your manager has asked you to explain some of the security features available in the AWS cloud. How can you describe the function of Amazon CloudHSM? It can be used to generate, use and manage encryption keys in the cloud
380. In which ways does AWS’ pricing model benefit organizations? Reduce the cost of maintaining idle resources
381. Which of the following is NOT a best practice for protecting the root user of an AWS account? Remove administrative permissions
382. A startup eCommerce company needs to quickly deliver new website features in an iterative manner, minimizing the time to market. Which AWS Cloud feature allows this? Agility
383. Which of the following statements about AWS’s pay-as-you-go pricing model is correct? It results in reduced capital expenditures
384. Which of the following are examples of horizontal scaling? (Select TWO.) Add more instances as demand increases, Automatic scaling using services such as AWS Auto Scaling
385. What advantages does the AWS cloud provide in relation to cost? (Select TWO.) Fine-grained billing, Ability to turn off resources and not pay for them
386. How can a database administrator reduce operational overhead for a MySQL database? Migrate the database onto an Amazon RDS instance
387. Where do Amazon Identity and Access Management (IAM) accounts need to be created for a global organization? Just create them once, as IAM is a global service
388. A company is looking to develop a conversational chatbot that can interact dynamically with its customers through a natural language interface. Which AWS service should be utilized to facilitate this? Amazon Lex
389. Which AWS technology can be referred to as a “virtual hard disk in the cloud”? Amazon EBS volume
390. Which of the statements below does NOT characterize cloud computing? Cloud computing allows you to swap variable expense for capital expense
391. Which of the following AWS Support plans provide access to guidance, configuration, and troubleshooting of AWS interoperability with third-party software? (Select two) AWS Enterprise Support, AWS Business Support
392. Which of the following AWS services support VPC Endpoint Gateway for a private connection from a VPC? (Select two) Amazon Simple Storage Service (Amazon S3), Amazon DynamoDB
393. Which of the following Amazon S3 storage classes takes the most time to retrieve data (also known as first byte latency)? Amazon S3 Glacier Deep Archive
394. A startup wants to migrate its data and applications from the on-premises data center to AWS Cloud. Which of the following options can be used by the startup to help with this migration? (Select two) Leverage AWS Professional Services to accelerate the infrastructure migration, Utilize AWS Partner Network (APN) to build a custom solution for this infrastructure migration
395. A startup wants to set up its IT infrastructure on AWS Cloud. The CTO would like to get an estimate of the monthly AWS bill based on the AWS services that the startup wants to use. As a Cloud Practitioner, which AWS service would you suggest for this use-case? AWS Pricing Calculator
396. Which of the following AWS Support plans provide access to only core checks from the AWS Trusted Advisor Best Practice Checks? (Select two) AWS Basic Support, AWS Developer Support
397. Which of the following is the MOST cost-effective option to purchase an EC2 Reserved Instance (RI)? Partial upfront payment option with standard 3-years term
398. Which of the following is CORRECT regarding removing an AWS account from AWS Organizations? The AWS account must be able to operate as a standalone account. Only then it can be removed from AWS organizations
399. Which option is a common stakeholder role for the AWS Cloud Adoption Framework (AWS CAF) platform perspective? (Select two) Chief Technology Officer (CTO), Engineer
400. An IT company is planning to migrate from an on-premises environment to AWS Cloud. Which of the following expense areas would result in cost savings when the company moves to AWS Cloud? (Select two) Data center hardware infrastructure expenditure, Data center physical security expenditure
401. Which of the following AWS services support reservations to optimize costs? (Select three) Amazon Elastic Compute Cloud (Amazon EC2), Amazon DynamoDB, Amazon Relational Database Service (Amazon RDS)
402. Which of the following is a recommended way to provide programmatic access to AWS resources? Use Access Key ID and Secret Access Key to access AWS resources programmatically
403. What are the advantages that AWS Cloud offers over a traditional on-premises IT infrastructure? (Select two) Trade capital expense for variable expense, Eliminate guessing on your infrastructure capacity needs
404. An intern at an IT company provisioned a Linux based On-demand EC2 instance with per-second billing but terminated it within 30 seconds as he wanted to provision another instance type. What is the duration for which the instance would be charged? 60 seconds
405. A silicon valley based healthcare startup stores anonymized patient health data on Amazon S3. The CTO further wants to ensure that any sensitive data on S3 is discovered and identified to prevent any sensitive data leaks. As a Cloud Practitioner, which AWS service would you recommend addressing this use-case? Amazon Macie
406. AWS Web Application Firewall (WAF) offers protection from common web exploits at which layer? Layer 7
407. Which of the following is an INCORRECT statement about Scaling, a design principle of Reliability pillar of the AWS Well-Architected Framework? Fault tolerance is achieved by a scale up operation
408. A Project Manager, working on AWS for the first time, is confused about how credits are used in AWS. There are two credits available in the manager's account. Credit one is for $100, expires July 2022, and can be used for either Amazon S3 or Amazon EC2. Credit two is for $50, expires December 2022, and can be used only for Amazon EC2. The manager's AWS account has incurred two charges: $1000 for Amazon EC2 and $500 for Amazon S3. What will be the outcome on the overall bill once the credits are used? (Select two) Credit one is applied, which expires in July, to the Amazon EC2 charge which leaves you with a $900 Amazon EC2 charge and a $500 Amazon S3 charge, Then, credit two is applied to the remaining $900 of Amazon EC2 usage
409. Which AWS Support plan provides architectural guidance contextual to your specific use-cases? AWS Business Support
410. Compared to the on-demand instance prices, what is the highest possible discount offered for spot instances? 90
411. A company wants to identify the optimal AWS resource configuration for its workloads so that the company can reduce costs and increase workload performance. Which of the following services can be used to meet this requirement? AWS Compute Optimizer
412. Which of the following is a serverless AWS service? AWS Lambda
413. A big data analytics company is moving its IT infrastructure from an on-premises data center to AWS Cloud. The company has some server-bound software licenses that it wants to use on AWS. As a Cloud Practitioner, which of the following EC2 instance types would you recommend to the company? Dedicated Host
414. Which type of cloud computing does Amazon Elastic Compute Cloud (EC2) represent? Infrastructure as a Service (IaaS)
415. A company needs a storage solution for a project wherein the data is accessed less frequently but needs rapid access when required. Which S3 storage class is the MOST cost-effective for the given use-case? Amazon S3 Standard-Infrequent Access (S3 Standard-IA)
416. A data analytics company is running a proprietary batch analytics application on AWS and wants to use a storage service which would be accessed by hundreds of EC2 instances simultaneously to append data to existing files. As a Cloud Practitioner, which AWS service would you suggest for this use-case? Amazon Elastic File System (Amazon EFS)
417. A research group wants to use EC2 instances to run a scientific computation application that has a fault tolerant architecture. The application needs high-performance hardware disks that provide fast I/O performance. As a Cloud Practitioner, which of the following storage options would you recommend as the MOST cost-effective solution? Instance Store
418. Which of the following AWS services can be used to connect a company's on-premises environment to a VPC without using the public internet? AWS Direct Connect
419. Which AWS Route 53 routing policy would you use to route traffic to multiple resources and also choose how much traffic is routed to each resource? Weighted routing
420. A company wants to improve the resiliency of its flagship application so it wants to move from its traditional database system to a managed AWS NoSQL database service to support active-active configuration in both the East and West US AWS regions. The active-active configuration with cross-region support is the prime criteria for any database solution that the company considers. Which AWS database service is the right fit for this requirement? Amazon DynamoDB with global tables
421. The DevOps team at an e-commerce company is trying to debug performance issues for its serverless application built using a microservices architecture. As a Cloud Practitioner, which AWS service would you recommend addressing this use-case? AWS X-Ray
422. The DevOps team at an IT company is moving 500 GB of data from an EC2 instance to an S3 bucket in the same region. Which of the following scenario captures the correct charges for this data transfer? The company would not be charged for this data transfer
423. A unicorn startup is building an analytics application with support for a speech-based interface. The application will accept speech-based input from users and then convey results via speech. As a Cloud Practitioner, which solution would you recommend for the given use-case? Use Amazon Transcribe to convert speech to text for downstream analysis. Then use Amazon Polly to convey the text results via speech
424. Which tool/service will help you access AWS services using programming language-specific APIs? AWS Software Developer Kit (SDK)
425. An e-commerce company has deployed an RDS database in a single Availability Zone (AZ). The engineering team wants to ensure that in case of an AZ outage, the database should continue working on the same endpoint without any manual administrative intervention. Which of the following solutions can address this use-case? Configure the database in RDS Multi-AZ deployment with automatic failover to the standby
426. Which of the following statements are CORRECT regarding the AWS VPC service? (Select two) A Security Group can have allow rules only, A Network Address Translation gateway (NAT gateway) is managed by AWS
427. According to the AWS Cloud Adoption Framework (AWS CAF), what are two tasks that a company should perform when planning to migrate to the AWS Cloud and aiming to become more responsive to customer inquiries and feedback as part of their organizational transformation? (Select two) Organize your teams around products and value streams, Leverage agile methods to rapidly iterate and evolve
428. Which AWS services can be used to facilitate organizational change management, part of the Reliability pillar of AWS Well-Architected Framework? (Select three) AWS Config, AWS CloudTrail, Amazon CloudWatch
429. A company wants to have control over creating and using its own keys for encryption on AWS services. Which of the following can be used for this use-case? customer managed key (CMK)
430. A startup wants to provision an EC2 instance for the lowest possible cost for a long-term duration but needs to make sure that the instance would never be interrupted. As a Cloud Practitioner, which of the following options would you recommend? EC2 Reserved Instance (RI)
431. AWS Shield Advanced provides expanded DDoS attack protection for web applications running on which of the following resources? (Select two) Amazon Route 53, AWS Global Accelerator
432. Which AWS Service can be used to mitigate a Distributed Denial of Service (DDoS) attack? AWS Shield
433. A web application stores all of its data on Amazon S3 buckets. A client has mandated that data be encrypted before sending it to Amazon S3. Which of the following is the right technique for encrypting data as needed by the customer? Enable client-side encryption using AWS encryption SDK
434. Which AWS services can be used to decouple components of a microservices based application on AWS Cloud? (Select two) Amazon Simple Queue Service (SQS), Amazon Simple Notification Service (SNS)
435. A medical research startup wants to understand the compliance of AWS services concerning HIPAA guidelines. Which AWS service can be used to review the HIPAA compliance and governance-related documents on AWS? AWS Artifact
436. A multi-national company has just moved its infrastructure from its on-premises data center to AWS Cloud. As part of the shared responsibility model, AWS is responsible for which of the following? Physical and Environmental controls
437. Which of the following is a benefit of using AWS managed services such as Amazon Relational Database Service (Amazon RDS)? The performance of AWS managed Amazon Relational Database Service (Amazon RDS) instance is better than a customer-managed database instance
438. According to the AWS Shared Responsibility Model, which of the following are responsibilities of AWS? (Select two) Replacing faulty hardware of Amazon EC2 instances, Maintaining Amazon S3 data in different availability zones to keep it durable
439. Which AWS service will help you receive alerts when the reservation utilization falls below the defined threshold? AWS Budgets
440. A multi-national corporation wants to get expert professional advice on migrating to AWS and managing their applications on AWS Cloud. Which of the following entities would you recommend for this engagement? APN Consulting Partner
441. A company wants to move to AWS cloud and release new features with quick iterations by utilizing relevant AWS services whenever required. Which of the following characteristics of AWS Cloud does it want to leverage? Agility
442. Under the AWS Shared Responsibility Model, which of the following is a shared responsibility of both AWS and the customer? Configuration Management
443. Which of the following are the advantages of cloud computing? (Select three) Benefit from massive economies of scale, Trade capital expense for variable expense, Go global in minutes and deploy applications in multiple regions around the world with just a few clicks
444. A financial services company wants to ensure that its AWS account activity meets the governance, compliance and auditing norms. As a Cloud Practitioner, which AWS service would you recommend for this use-case? AWS CloudTrail
445. Which of the following AWS services should be used to automatically distribute incoming traffic across multiple targets? AWS Elastic Load Balancing (ELB)
446. A cyber forensics team has detected that AWS owned IP-addresses are being used to carry out malicious attacks. As this constitutes prohibited use of AWS services, which of the following is the correct solution to address this issue? Contact AWS Abuse Team
447. Which of the following are correct statements regarding the AWS Global Infrastructure? (Select two) Each AWS Region consists of a minimum of three Availability Zones (AZ), Each Availability Zone (AZ) consists of one or more discrete data centers
448. A company runs an application on a fleet of EC2 instances. The company wants to automate the traditional maintenance job of running timely assessments and checking for OS vulnerabilities. As a Cloud Practitioner, which service will you suggest for this use case? Amazon Inspector
449. Which of the following are the storage services offered by the AWS Cloud? (Select two) Amazon Simple Storage Service (Amazon S3), Amazon Elastic File System (Amazon EFS)
450. Which security service of AWS is enabled for all AWS customers, by default, at no additional cost? AWS Shield Standard
451. Which of the following entities applies patches to the underlying OS for Amazon Aurora? The AWS Product Team automatically
452. A company uses reserved EC2 instances across multiple units with each unit having its own AWS account. However, some of the units under-utilize their reserved instances while other units need more reserved instances. As a Cloud Practitioner, which of the following would you recommend as the most cost-optimal solution? Use AWS Organizations to manage AWS accounts of all units and then share the reserved EC2 instances amongst all units
453. Which of the following statements are CORRECT regarding the Availability Zone (AZ) specific characteristics of Amazon Elastic Block Store (EBS) and Amazon Elastic File System (Amazon EFS) storage types? EBS volume can be attached to a single instance in the same Availability Zone (AZ) whereas EFS file system can be mounted on instances across multiple Availability Zones (AZ)
454. Which of the following is an AWS database service? Amazon Redshift
455. Which of the following AWS services has encryption enabled by default? AWS CloudTrail Logs
456. An e-commerce company wants to store data from a recommendation engine in a database. As a Cloud Practioner, which AWS service would you recommend to provide this functionality with the LEAST operational overhead for any scale? Amazon DynamoDB
457. Which AWS service would you use to send alerts when the costs for your AWS account exceed your budgeted amount? AWS Budgets
458. Which Amazon Elastic Compute Cloud (Amazon EC2) pricing model is the most cost-effective and flexible with no requirement for a long term resource commitment or upfront payment but still guarantees that instance would not be interrupted? On-Demand Instances
459. Which AWS service should be used when you want to run container applications, but want to avoid the operational overhead of scaling, patching, securing, and managing servers? Amazon Elastic Container Service (Amazon ECS) - Fargate launch type
460. Which of the following AWS services is essential for implementing security of resources in AWS Cloud? AWS Identity and Access Management (IAM)
461. Which of the following statements are true about AWS Lambda? (Select two) AWS Lambda lets you run code without provisioning or managing servers, You pay for the compute time you consume for AWS Lambda
462. Which service gives a personalized view of the status of the AWS services that are part of your Cloud architecture so that you can quickly assess the impact on your business when AWS service(s) are experiencing issues? AWS Health - Your Account Health Dashboard
463. A gaming company is looking at a technology/service that can deliver a consistent low-latency gameplay to ensure a great user experience for end-users in various locations. Which AWS technology/service will provide the necessary low-latency access to the end-users? AWS Local Zones
464. Which AWS service enables users to find, buy, and immediately start using software solutions in their AWS environment? AWS Marketplace
465. A social media company wants to protect its web application from common web exploits such as SQL injection and cross-site scripting. Which of the following AWS services can be used to address this use-case? AWS Web Application Firewall (AWS WAF)
466. Which AWS compute service provides the EASIEST way to access resizable compute capacity in the cloud with support for per-second billing and access to the underlying OS? Amazon Elastic Compute Cloud (Amazon EC2)
467. A retail company has multiple AWS accounts for each of its departments. Which of the following AWS services can be used to set up consolidated billing and a single payment method for these AWS accounts? AWS Organizations
468. Which of the following is the correct statement regarding the AWS Storage services? Amazon Simple Storage Service (Amazon S3) is object based storage, Amazon Elastic Block Store (Amazon EBS) is block based storage and Amazon Elastic File System (Amazon EFS) is file based storage
469. Which of the following statement is correct for a Security Group and a Network Access Control List (Network ACL)? Security Group acts as a firewall at the instance level whereas Network Access Control List (Network ACL) acts as a firewall at the subnet level
470. Which AWS service publishes up-to-the-minute information on the general status and availability of all AWS services in all the Regions of AWS Cloud? AWS Health Dashboard - service health
471. Which policy describes prohibited uses of the web services offered by Amazon Web Services? AWS Acceptable Use Policy
472. Which of the following statements are correct about the AWS root user account? (Select two) Root user access credentials are the email address and password used to create the AWS account, It is highly recommended to enable Multi-Factor Authentication (MFA) for root user account
473. Which AWS service helps with global application availability and performance using the AWS global network? AWS Global Accelerator
474. Which of the following options can be used to access and manage all AWS services (Select three)? AWS Management Console, AWS Command Line Interface (AWS CLI), AWS Software Development Kit (SDK)
475. According to the AWS Shared Responsibility Model, which of the following are responsibilities of the customer for Amazon RDS? Database encryption
476. Which of the following AWS services are always free to use (Select two)? AWS Identity and Access Management (AWS IAM), AWS Auto Scaling
477. An organization has a complex IT architecture involving a lot of system dependencies and it wants to track the history of changes to each resource. Which AWS service will help the organization track the history of configuration changes for all the resources? AWS Config
478. A company's flagship application runs on a fleet of Amazon Elastic Compute Cloud (Amazon EC2) instances. As per the new policies, the system administrators are looking for the best way to provide secure shell access to Amazon Elastic Compute Cloud (Amazon EC2) instances without opening new ports or using public IP addresses. Which tool/service will help you achieve this requirement? AWS Systems Manager Session Manager
479. Multi-AZ deployment is an example of which of the following? High Availability
480. The AWS Well-Architected Framework provides guidance on building cloud based applications using AWS best practices. Which of the following options are the pillars mentioned in the AWS Well-Architected Framework? (Select two) Reliability, Cost Optimization
481. Which AWS service can be used to store, manage, and deploy Docker container images? Amazon Elastic Container Registry (Amazon ECR)
482. Which AWS technology/service helps you to scale your resources to match supply with demand while still keeping your cloud solution cost-effective? AWS Auto Scaling
483. Which Amazon Route 53 routing policy would you use to improve the performance for your customers by routing the requests to the AWS endpoint that provides the fastest experience? Latency-based routing
484. Which AWS support plan provides access to a designated Technical Account Manager (TAM)? AWS Enterprise Support
485. Which of the following AWS services are global in scope? (Select two) AWS Identity and Access Management (AWS IAM), Amazon CloudFront
486. Which of the following use-cases is NOT supported by Amazon Rekognition? Quickly resize photos to create thumbnails
487. Which characteristic of Cloud Computing imparts the ability to acquire resources as you need and release when you no longer need them? Elasticity
488. Which of the following is correct about AWS Developer Support plan? Allows one contact to open unlimited cases
489. Which of the following AWS services allows a database to have flexible schema and supports document data models? Amazon DynamoDB
490. Access Key ID and Secret Access Key are tied to which of the following AWS Identity and Access Management (AWS IAM) entities? IAM User
491. A data analytics company stores its data on Amazon Simple Storage Service (Amazon S3) and wants to do SQL based analysis on this data with minimum effort. As a Cloud Practitioner, which of the following AWS services will you suggest for this use case? Amazon Athena
492. Which of the following AWS services comes under the Software as a Service (SaaS) Cloud Computing Type? Amazon Rekognition
493. Which of the following are examples of Horizontal Scalability (aka Elasticity)? (Select two) Elastic Load Balancing (ELB), Read Replicas in Amazon Relational Database Service (Amazon RDS)
494. As per the AWS Shared Responsibility Model, which of the following is a responsibility of AWS from a security and compliance point of view? Edge Location Management
495. A company is using a message broker service on its on-premises application and wants to move this messaging functionality to AWS Cloud. Which of the following AWS services is the right choice to move the existing functionality easily? Amazon MQ
496. Which of the following statement is correct regarding the AWS pricing policy for data transfer charges into or out of an AWS Region? Only outbound data transfer is charged
497. The engineering team at an IT company wants to monitor the CPU utilization for its fleet of Amazon Elastic Compute Cloud (Amazon EC2) instances and send an email to the administrator if the utilization exceeds 80%. As a Cloud Practitioner, which AWS services would you recommend to build this solution? (Select two) Amazon CloudWatch, Amazon Simple Notification Service (SNS)
498. Which of the following statements is INCORRECT about AWS Auto Scaling? You can automatically deploy AWS Shield when a DDoS attack is detected
499. Which of the following solutions can you use to connect your on-premises network with AWS Cloud (Select two)? AWS Direct Connect, AWS Virtual Private Network (VPN)
500. An e-commerce company wants to assess its applications deployed on Amazon Elastic Compute Cloud (Amazon EC2) instances for vulnerabilities and deviations from AWS best practices. Which AWS service can be used to facilitate this? Amazon Inspector
501. A company wants a fully managed, flexible, and scalable file storage system, with low latency access, for its Windows-based applications. Which AWS service is the right choice for the company? Amazon FSx for Windows File Server
502. An organization is planning to move its infrastructure from the on-premises datacenter to AWS Cloud. As a Cloud Practioner, which options would you recommend so that the organization can identify the right AWS services to build solutions on AWS Cloud (Select two)? AWS Service Catalog, AWS Partner Network (APN)
503. What foundational capability under the operations perspective is part of the AWS Cloud Adoption Framework (AWS CAF)? Performance and capacity management
504. A photo sharing web application wants to store thumbnails of user-uploaded images on Amazon Simple Storage Service (Amazon S3). The thumbnails are rarely used but need to be immediately accessible from the web application. The thumbnails can be regenerated easily if they are lost. Which is the most cost-effective way to store these thumbnails on Amazon Simple Storage Service (Amazon S3)? Use Amazon S3 One Zone-Infrequent Access (S3 One Zone-IA) to store the thumbnails
505. A fleet of Amazon EC2 instances spread across different Availability Zones (AZ) needs to access, edit and share file-based data stored centrally on a system. As a Cloud Practitioner, which AWS service would you recommend for this use-case? Amazon Elastic File System (Amazon EFS)
506. What are the different gateway types supported by AWS Storage Gateway service? Tape Gateway, File Gateway and Volume Gateway
507. A customer has created a VPC and a subnet within AWS Cloud. Which of the following statements is correct? An Amazon Virtual Private Cloud (Amazon VPC) spans all of the Availability Zones (AZ) in the Region whereas a subnet spans only one Availability Zone (AZ) in the Region
508. An organization deploys its IT infrastructure in a combination of its on-premises data center along with AWS Cloud. How would you categorize this deployment model? Hybrid deployment
509. An IT company wants to run a log backup process every Monday at 2 AM. The usual runtime of the process is 5 minutes. As a Cloud Practitioner, which AWS services would you recommend to build a serverless solution for this use-case? (Select two) Amazon Eventbridge, AWS Lambda
510. An online gaming company wants to block users from certain geographies from accessing its content. Which AWS service can be used to accomplish this task? AWS Web Application Firewall (AWS WAF)
511. Which tool will help you review your workloads against current AWS best practices for cost optimization, security, and performance improvement and then obtain advice to architect them better? AWS Trusted Advisor
512. As per the AWS Shared Responsibility Model, which of the following is a responsibility of the customer from a security and compliance point of view? Managing patches of the guest operating system on Amazon Elastic Compute Cloud (Amazon EC2)
513. What is the primary benefit of deploying an Amazon RDS Multi-AZ database with one standby? Amazon RDS Multi-AZ enhances database availability
514. AWS Compute Optimizer delivers recommendations for which of the following AWS resources? (Select two) Amazon Elastic Compute Cloud (Amazon EC2) instances, Amazon EC2 Auto Scaling groups, Amazon Elastic Block Store (Amazon EBS), AWS Lambda functions
515. Which AWS service can be used to provision resources to run big data workloads on Hadoop clusters? Amazon EMR
516. Due to regulatory and compliance reasons, an organization is supposed to use a hardware device for any data encryption operations in the cloud. Which AWS service can be used to meet this compliance requirement? AWS CloudHSM
517. A developer has written a simple web application in PHP and he wants to just upload his code to AWS Cloud and have AWS handle the deployment automatically but still wants access to the underlying operating system for further enhancements. As a Cloud Practioner, which of the following AWS services would you recommend for this use-case? AWS Elastic Beanstalk
518. Which of the following AWS services can be used to prevent Distributed Denial-of-Service (DDoS) attack? (Select three) AWS Shield, AWS Web Application Firewall (AWS WAF), Amazon CloudFront with Amazon Route 53
519. A startup is looking for 24x7 phone based technical support for its AWS account. Which of the following is the MOST cost-effective AWS support plan for this use-case? AWS Business Support
520. What are the fundamental drivers of cost with AWS Cloud? Compute, Storage and Outbound Data Transfer
521. An IT company has a hybrid cloud architecture and it wants to centralize the server logs for its Amazon Elastic Compute Cloud (Amazon EC2) instances and on-premises servers. Which of the following is the MOST effective for this use-case? Use Amazon CloudWatch Logs for both the Amazon Elastic Compute Cloud (Amazon EC2) instance and the on-premises servers
522. Which AWS service can be used to execute code triggered by new files being uploaded to Amazon Simple Storage Service (Amazon S3)? AWS Lambda
523. A company is looking for a guided path to help deploy, configure, and secure its new workloads while ensuring that it is ready for on-going operations in the cloud. Which of the following AWS services/tools can be leveraged for this use case? Cloud Foundations
524. Which AWS service can be used for online analytical processing? Amazon Redshift
525. Which AWS service will you use if you have to move large volumes of on-premises data to AWS Cloud from a remote location with limited bandwidth? AWS Snowball
526. Which of the following statements are CORRECT regarding security groups and network access control lists (network ACL)? (Select two) A security group is stateful, that is, it automatically allows the return traffic, A network access control list (network ACL) contains a numbered list of rules and evaluates these rules in the increasing order while deciding whether to allow the traffic
527. An IT company would like to move its IT resources (including any data and applications) from an AWS Region in the US to another AWS Region in Europe. Which of the following represents the correct solution for this use-case? The company should just start creating new resources in the destination AWS Region and then migrate the relevant data and applications into this new AWS Region
528. Which of the following is the best way to protect your data from accidental deletion on Amazon S3? Amazon S3 Versioning
529. AWS Identity and Access Management (AWS IAM) policies are written as JSON documents. Which of the following are mandatory elements of an IAM policy? Effect, Action
530. Which of the following AWS services offer block-level storage? (Select two) Amazon Elastic Block Store (Amazon EBS), Instance Store
531. Which of the following is correct regarding the AWS Shield Advanced pricing? AWS Shield Advanced offers protection against higher fees that could result from a DDoS attack
532. A company has a static website hosted on an Amazon Simple Storage Service (Amazon S3) bucket in an AWS Region in Asia. Although most of its users are in Asia, now it wants to drive growth globally. How can it improve the global performance of its static website? Use Amazon CloudFront to improve the performance of your website
533. A startup wants to set up its IT infrastructure on AWS Cloud. The CTO would like to receive detailed reports that break down the startup's AWS costs by the hour in an Amazon Simple Storage Service (Amazon S3) bucket. As a Cloud Practitioner, which AWS service would you recommend for this use-case? AWS Cost & Usage Report (AWS CUR)
534. Which Amazon Route 53 routing policy would you use when you want to route your traffic in an active-passive configuration? Failover routing
535. An IT company has deployed a static website on Amazon Simple Storage Service (Amazon S3), but the website is still inaccessible. As a Cloud Practioner, which of the following solutions would you suggest to address this issue? Fix the Amazon S3 bucket policy
536. Which budget types can be created under AWS Budgets (Select three)? Cost budget , Usage budget, Reservation budget
537. A cyber-security agency uses AWS Cloud and wants to carry out security assessments on its own AWS infrastructure without any prior approval from AWS. Which of the following describes/facilitates this practice? Penetration Testing
538. Which of the following are correct statements regarding the AWS Shared Responsibility Model? (Select two) AWS is responsible for Security 'of' the Cloud, For abstracted services like Amazon S3, AWS operates the infrastructure layer, the operating system, and platforms
539. A research group wants to provision an Amazon Elastic Compute Cloud (Amazon EC2) instance for a flexible application that can be interrupted. As a Cloud Practitioner, which of the following would you recommend as the MOST cost-optimal option? Spot Instance
540. Which feature of AWS Cloud offers the ability to innovate faster and rapidly develop, test and launch software applications? Agility
541. Which of the following is a part of the AWS Global Infrastructure? AWS Region
542. AWS Trusted Advisor analyzes your AWS environment and provides best practice recommendations for which of the following categories? (Select two) Cost Optimization, Service Limits
543. Which of the following AWS services are regional in scope? (Select two) AWS Lambda, Amazon Rekognition
544. Which of the following AWS entities provides the information required to launch an Amazon Elastic Compute Cloud (Amazon EC2) instance? Amazon Machine Image (AMI)
545. Which of the following improves the availability for a fleet of Amazon Elastic Compute Cloud (Amazon EC2) instances? Deploy the Amazon Elastic Compute Cloud (Amazon EC2) instances across different Availability Zones (AZ) in the same AWS Region
546. A leading research firm needs to access information available in old patents and documents (such as PDFs, Text Files, Word documents, etc) present in its huge knowledge base. The firm is looking for a powerful search tool that can dig into these knowledge resources and return the most relevant files/documents. Which of the following is the correct service to address this requirement? Amazon Kendra
547. A medical device company is looking for a durable and cost-effective way of storing their historic data. Due to compliance requirements, the data must be stored for 10 years. Which AWS Storage solution will you suggest? Amazon S3 Glacier Deep Archive
548. Which of the following are components of an AWS Site-to-Site VPN? (Select two) Virtual private gateway (VGW), Customer gateway
549. Which of the following are recommended best practices for AWS Identity and Access Management (AWS IAM) service? (Select two) Enable multi-factor authentication (MFA) for all users, Rotate credentials regularly
550. According to the AWS Shared Responsibility Model, which of the following are the responsibilities of the customer? (Select two) Operating system patches and updates of an Amazon Elastic Compute Cloud (Amazon EC2) instance, Enabling data encryption of data stored in Amazon Simple Storage Service (Amazon S3) buckets
551. An AWS user is trying to launch an Amazon Elastic Compute Cloud (Amazon EC2) instance in a given region. What is the region-specific constraint that the Amazon Machine Image (AMI) must meet so that it can be used for this Amazon Elastic Compute Cloud (Amazon EC2) instance? You must use an Amazon Machine Image (AMI) from the same region as that of the Amazon EC2 instance. The region of the Amazon Machine Image (AMI) has no bearing on the performance of the Amazon EC2 instance
552. Which AWS service can be used as an in-memory database with high-performance and low latency? Amazon ElastiCache
553. Which of the following Cloud Computing models does the 'gmail' service represent? Software as a service (SaaS)
554. Under the AWS Shared Responsibility Model, which of the following is the responsibility of a customer regarding AWS Lambda? Maintain versions of an AWS Lambda function
555. A multi-national company has its business-critical data stored on a fleet of Amazon Elastic Compute Cloud (Amazon EC2) instances, in various countries, configured in region-specific compliance rules. To demonstrate compliance, the company needs to submit historical configurations on a regular basis. Which AWS service is best suited for this requirement? AWS Config
556. Which of the following AWS services specialize in data migration from on-premises to AWS Cloud? (Select two) AWS Snowball, AWS Database Migration Service (AWS DMS)
557. Which AWS service will you use to privately connect your virtual private cloud (VPC) to Amazon Simple Storage Service (Amazon S3)? VPC Endpoint
558. An IT company is on a cost-optimization spree and wants to identify all Amazon Elastic Compute Cloud (Amazon EC2) instances that are under-utilized. Which AWS services can be used off-the-shelf to address this use-case without needing any manual configurations? (Select two) AWS Trusted Advisor, AWS Cost Explorer
559. An AWS hardware failure has impacted one of your Amazon Elastic Block Store (Amazon EBS) volumes. Which AWS service will alert you of the affected resources and provide a remedial action? AWS Health Dashboard – Your account health
560. Which of the following statements is correct regarding the Amazon Elastic File System (Amazon EFS) storage service? EC2 instances can access files on an Amazon Elastic File System (Amazon EFS) file system across many Availability Zones (AZ), Regions and VPCs
561. Which AWS service can be used to automate code deployment to Amazon Elastic Compute Cloud (Amazon EC2) instances as well as on-premises instances? AWS CodeDeploy
562. Which AWS service protects your AWS account by monitoring malicious activity and detecting threats? Amazon GuardDuty
563. Which Amazon Simple Storage Service (Amazon S3) storage class offers the lowest availability? Amazon S3 One Zone-Infrequent Access (S3 One Zone-IA)
564. A financial services enterprise plans to enable Multi-Factor Authentication (MFA) for its employees. For ease of travel, they prefer not to use any physical devices to implement Multi-Factor Authentication (MFA). Which of the below options is best suited for this use case? Virtual Multi-Factor Authentication (MFA) device
565. Which pillar of the AWS Well-Architected Framework recommends maintaining infrastructure as code (IaC)? Operational Excellence
566. What is the primary benefit of deploying an Amazon Relational Database Service (Amazon RDS) database in a Read Replica configuration? Read Replica improves database scalability
567. Which of the following statements are true about Cost Allocation Tags in AWS Billing? (Select two) For each resource, each tag key must be unique, and each tag key can have only one value, You must activate both AWS generated tags and user-defined tags separately before they can appear in Cost Explorer or on a cost allocation report
568. Which of the following is a perspective of the AWS Cloud Adoption Framework (AWS CAF)? Business
569. Which of the following statements are CORRECT about the AWS Auto Scaling group? (Select two) Auto Scaling group scales out and adds more number of Amazon EC2 instances to match an increase in demand, Auto Scaling group scales in and reduces the number of Amazon EC2 instances to match a decrease in demand
570. A startup runs its proprietary application on docker containers. As a Cloud Practitioner, which AWS service would you recommend so that the startup can run containers and still have access to the underlying servers? Amazon Elastic Container Service (Amazon ECS)
571. A development team is looking for a forum where the most frequent questions and requests from AWS customers are listed along with AWS provided solutions. Which AWS forum/service can be used for troubleshooting an issue or checking for a solution? AWS Knowledge Center
572. AWS Lambda pricing is based on which of the following criteria? (Select two) Number of requests for the AWS Lambda function, The time it takes for the AWS Lambda function to execute
573. A financial services company must meet compliance requirements that mandate storing multiple copies of data in geographically distant locations. As the company uses Amazon Simple Storage Service (Amazon S3) as its main storage service, which of the following represents the MOST resource-efficient solution for this use-case? Use S3 cross-region replication (S3 CRR) to replicate data between distant AWS Regions
574. Compared to the on-demand instance prices, what is the highest possible discount offered for reserved instances (RI)? 72
575. Which of the following AWS services have data encryption automatically enabled? (Select two)? Amazon Simple Storage Service (Amazon S3), AWS Storage Gateway
576. An organization maintains separate Amazon Virtual Private Clouds (Amazon VPC) for each of its departments. With expanding business, the organization now wants to connect all Amazon Virtual Private Clouds (Amazon VPC) for better departmental collaboration. Which AWS service will help the organization tackle the issue effectively? AWS Transit Gateway
577. An e-commerce company uses AWS Cloud and would like to receive separate invoices for development and production environments. As a Cloud Practioner, which of the following solutions would you recommend for this use-case? Create separate AWS accounts for development and production environments to receive separate invoices
578. Which AWS service can help you create data-driven business cases for transitioning your business from on-premises to AWS Cloud? AWS Migration Evaluator
579. Which AWS services support High Availability by default? (Select two) Amazon DynamoDB, Amazon Elastic File System (Amazon EFS)
580. Which of the following use cases is best suited for Amazon EFS Standard-Infrequent Access (EFS Standard-IA) storage class? Storing files in an accessible location to satisfy audit requirements
581. As a Cloud Practitioner, which Amazon Simple Storage Service (Amazon S3) storage class would you recommend for data archival? Amazon S3 Glacier Flexible Retrieval
582. Which of the following capabilities does Amazon Rekognition provide as a ready-to-use feature? Identify objects in a photo
583. A research lab wants to optimize the caching capabilities for its scientific computations application running on Amazon Elastic Compute Cloud (Amazon EC2) instances. Which Amazon Elastic Compute Cloud (Amazon EC2) storage option is best suited for this use-case? Instance Store
584. Amazon CloudWatch billing metric data is stored in which AWS Region? US East (N. Virginia) - us-east-1
585. A customer is running a comparative study of pricing models of Amazon EFS and Amazon Elastic Block Store (Amazon EBS) that are used with the Amazon EC2 instances that host the application. Which of the following statements are correct regarding this use-case? (Select two) You will pay a fee each time you read from or write data stored on the Amazon Elastic File System (Amazon EFS) - Infrequent Access storage class, Amazon Elastic Block Store (Amazon EBS) Snapshots are stored incrementally, which means you are billed only for the changed blocks stored
586. Which of the following are benefits of the AWS Web Application Firewall (AWS WAF)? (Select two) AWS Web Application Firewall (AWS WAF) can block all requests except the ones that you allow, AWS Web Application Firewall (AWS WAF) can check for the presence of SQL code that is likely to be malicious (known as SQL injection)
587. Which AWS service will you use to provision the same AWS infrastructure across multiple AWS accounts and regions? AWS CloudFormation
588. AWS Trusted Advisor can provide alerts on which of the following common security misconfigurations? (Select two)? When you allow public access to Amazon S3 buckets, When you don't turn on user activity logging (AWS CloudTrail)
589. Which of the following statements are true regarding Amazon Simple Storage Service (Amazon S3) (Select two)? Amazon Simple Storage Service (Amazon S3) is a key value based object storage service, Amazon Simple Storage Service (Amazon S3) stores data in a flat non-hierarchical structure
590. Which of the following entities can be used to connect to an Amazon Elastic Compute Cloud (Amazon EC2) server from a Mac OS, Windows or Linux based computer via a browser-based client? Amazon EC2 Instance Connect
591. As per the AWS Shared Responsibility Model, which of the following is a responsibility of AWS from a security and compliance point of view? Patching networking infrastructure
592. Which of the following statements are CORRECT regarding AWS Global Accelerator? (Select two) AWS Global Accelerator is a good fit for non-HTTP use cases, AWS Global Accelerator provides static IP addresses that act as a fixed entry point to your applications
593. A multi-national organization has a separate virtual private cloud (VPC) for each of its business units on the AWS Cloud. The organization also wants to connect its on-premises data center with the different virtual private clouds (VPC) for better organization-wide collaboration. Which AWS services can be combined to build the MOST efficient solution for this use-case? (Select two) AWS Transit Gateway, AWS Direct Connect
594. Which of the following is correct regarding the Amazon Relational Database Service (Amazon RDS) service? You can use read replicas for both improved read performance as well as disaster recovery
595. Which of the following is a container service of AWS? AWS Fargate
596. A cargo shipping company runs its server fleet on Amazon Elastic Compute Cloud (Amazon EC2) instances. Some of these instances host the CRM (Customer Relationship Management) applications that need to be accessible 24\*7. These applications are not mission-critical. In case of a disaster, these applications can be managed on a lesser number of instances for some time. Which disaster recovery strategy is well-suited as well as cost-effective for this requirement? Warm Standby strategy
597. Which of the following is best-suited for load-balancing HTTP and HTTPS traffic? Application Load Balancer
598. Amazon Elastic Compute Cloud (Amazon EC2) Spot instances are a best-fit for which of the following scenarios? To run any containerized workload with Amazon Elastic Container Service (Amazon ECS) that can be interrupted
599. Which of the following describes an Availability Zone (AZ) in the AWS Cloud? One or more data centers in the same location
600. Which of the following Amazon Simple Storage Service (Amazon S3) storage classes do not charge any data retrieval fee? (Select two) Amazon S3 Standard, Amazon S3 Intelligent-Tiering
601. AWS Shield Advanced provides expanded DDoS attack protection for web applications running on which of the following resources? (Select two) Amazon CloudFront, Amazon Elastic Compute Cloud (Amazon EC2)
602. Which AWS service can help you analyze your infrastructure to identify unattached or underutilized Amazon EBS Elastic Volumes? AWS Trusted Advisor
603. Which of the following AWS services offers Lifecycle configuration for cost-optimal storage? Amazon Simple Storage Service (Amazon S3)
604. AWS Marketplace facilitates which of the following use-cases? (Select two) Sell Software as a Service (SaaS) solutions to AWS customers, AWS customer can buy software that has been bundled into customized Amazon Machine Image (AMIs) by the AWS Marketplace sellers
605. Which of the following AWS services can be used to forecast your AWS account usage and costs? AWS Cost Explorer
606. A media company uploads its media (audio and video) files to a centralized Amazon Simple Storage Service (Amazon S3) bucket from geographically dispersed locations. Which of the following solutions can the company use to optimize transfer speeds? Amazon S3 Transfer Acceleration (S3TA)
607. AWS Organizations provides which of the following benefits? (Select two) Volume discounts for Amazon EC2 and Amazon S3 aggregated across the member AWS accounts, Share the reserved Amazon EC2 instances amongst the member AWS accounts
608. Which of the following Amazon Simple Storage Service (Amazon S3) storage classes has NO constraint of a minimum storage duration charge for objects? Amazon S3 Standard
609. Which of the following entities are part of an Amazon Virtual Private Cloud (Amazon VPC) in the AWS Cloud? (Select two) Subnet, Internet Gateway
610. According to the AWS Shared Responsibility Model, which of the following are responsibilities of the customer for AWS Identity and Access Management (AWS IAM)? (Select two) Enable multi-factor authentication (MFA) on all accounts, Analyze user access patterns and review AWS Identity and Access Management (AWS IAM) permissions
611. Which AWS service can be used to host a static website with the LEAST effort? Amazon Simple Storage Service (Amazon S3)
612. An e-commerce company has migrated its IT infrastructure from the on-premises data center to AWS Cloud. Which of the following costs is the company responsible for? Application software license costs
613. An e-commerce company wants to review the Payment Card Industry (PCI) reports on AWS Cloud. Which AWS resource can be used to address this use-case? AWS Artifact
614. Which AWS services can be used together to send alerts whenever the AWS account root user signs in? (Select two) Amazon Simple Notification Service (Amazon SNS), Amazon CloudWatch
615. A digital media company wants to convert English language subtitles into Spanish language subtitles. As a Cloud Practitioner, which AWS service would you recommend for this use-case? Amazon Translate
616. Which AWS service would you use to create a logically isolated section of the AWS Cloud where you can launch AWS resources in your virtual network? Virtual private Cloud (VPC)
617. As per the AWS Shared Responsibility Model, Security and Compliance is a shared responsibility between AWS and the customer. Which of the following security services/utilities falls under the purview of AWS under the AWS Shared Responsibility Model? AWS Shield Standard
618. Reserved Instance (RI) pricing is available for which of the following AWS services? (Select two) Amazon Elastic Compute Cloud (Amazon EC2), Amazon Relational Database Service (Amazon RDS)
619. Which of the following is the best practice for application architecture on AWS Cloud? Build loosely coupled components
620. Which of the following is available across all AWS Support plans? AWS Health Dashboard – Your account health
621. Which Amazon Route 53 routing policy would you use to route traffic to a single resource such as a web server for your website? Simple routing
622. How is Amazon EC2 different from traditional hosting systems? (Select two) Amazon EC2 can scale with changing computing requirements, With Amazon EC2, developers can launch and terminate the instances anytime they need to
623. An e-commerce company would like to receive alerts when the Amazon EC2 Reserved Instances (RI) utilization drops below a certain threshold. Which AWS service can be used to address this use-case? AWS Budgets
624. Which of the following are recommended security best practices for the AWS account root user? (Select two) Enable multi-factor authentication (MFA) for the AWS account root user, Set up an IAM user with administrator permissions and do not use AWS account root user for administrative tasks
625. A financial services company wants to ensure that all customer data uploaded on its data lake on Amazon Simple Storage Service (Amazon S3) always stays private. Which of the following is the MOST efficient solution to address this compliance requirement? Use Amazon S3 Block Public Access to ensure that all Amazon S3 resources stay private
626. Which AWS entity enables you to privately connect your Amazon Virtual Private Cloud (Amazon VPC) to an Amazon Simple Queue Service (Amazon SQS) queue? VPC Interface Endpoint
627. Which AWS service will help you deploy application code automatically to an Amazon Elastic Compute Cloud (Amazon EC2) instance? AWS CodeDeploy
628. A social media company wants to have the MOST cost-optimal strategy for deploying Amazon Elastic Compute Cloud (Amazon EC2) instances. As a Cloud Practitioner, which of the following options would you recommend? (Select two) Use Spot Instances for ad-hoc jobs that can be interrupted, Use Reserved Instances (RI) to run applications with a predictable usage over the next one year
629. Which of the following is the MOST cost-effective Amazon Elastic Compute Cloud (Amazon EC2) instance purchasing option for short-term, spiky and critical workloads on AWS Cloud? On-Demand Instance
630. Which of the following can you use to run a bootstrap script while launching an Amazon Elastic Compute Cloud (Amazon EC2) instance? Amazon EC2 instance user data
631. Which of the following AWS Support plans provide programmatic access to AWS Support Center features to create, manage and close your support cases? (Select two) AWS Enterprise Support, AWS Business Support
632. The DevOps team at an IT company wants to centrally manage its servers on AWS Cloud as well as on-premise data center so that it can collect software inventory, run commands, configure and patch servers at scale. As a Cloud Practitioner, which AWS service would you recommend for this use-case? AWS Systems Manager
633. Which of the following entities should be used for an Amazon Elastic Compute Cloud (Amazon EC2) Instance to access a DynamoDB table? IAM role
634. Which AWS service can be used to set up billing alarms to monitor estimated charges on your AWS account? Amazon CloudWatch
635. Bob and Susan each have an AWS account in AWS Organizations. Susan has five Reserved Instances (RIs) of the same type and Bob has none. During one particular hour, Susan uses three instances and Bob uses six for a total of nine instances on the organization's consolidated bill. Which of the following statements are correct about consolidated billing in AWS Organizations? (Select two) Bob receives the cost-benefit from Susan's Reserved Instances (RI) only if he launches his instances in the same Availability Zone (AZ) where Susan purchased her Reserved Instances, AWS bills five instances as Reserved Instances, and the remaining four instances as regular instances
636. Which of the following types are free under the Amazon Simple Storage Service (Amazon S3) pricing model? (Select two) Data transferred in from the internet, Data transferred out to an Amazon Elastic Compute Cloud (Amazon EC2) instance, when the instance is in the same AWS Region as the S3 bucket
637. An organization maintains a separate Virtual Private Cloud (VPC) for each of its business units. Two units need to privately share data. Which is the most optimal way of privately sharing data between the two VPCs? VPC peering connection
638. Which of the following are the serverless computing services offered by AWS ? (Select two) AWS Lambda, AWS Fargate
639. The QA team at a company wants a tool/service that can provide access to different mobile devices with variations in firmware and Operating System versions. Which AWS service can address this use case? AWS Device Farm
640. The DevOps team at a Big Data consultancy has set up Amazon Elastic Compute Cloud (Amazon EC2) instances across two AWS Regions for its flagship application. Which of the following characterizes this application architecture? Deploying the application across two AWS Regions improves availability
641. Which AWS service would you choose for a data processing project that needs a schema less database? Amazon DynamoDB
642. A financial services company wants to migrate from its on-premises data center to AWS Cloud. As a Cloud Practitioner, which AWS service would you recommend so that the company can compare the cost of running their IT infrastructure on-premises vs AWS Cloud? AWS Pricing Calculator
643. Which of the following AWS storage services can be directly used with on-premises systems? Amazon Elastic File System (Amazon EFS)
644. A social media analytics company wants to migrate to a serverless stack on AWS. Which of the following scenarios can be handled by AWS Lambda? (Select two) AWS Lambda can be used to execute code in response to events such as updates to DynamoDB tables, AWS Lambda can be used for preprocessing of data before it is stored in Amazon S3 buckets
645. Which of the following AWS entities lists all users in your account and the status of their various account aspects such as passwords, access keys, and MFA devices? Credentials Report
646. Which entity ensures that your application on Amazon Elastic Compute Cloud (Amazon EC2) always has the right amount of capacity to handle the current traffic demand? Amazon EC2 Auto Scaling
647. A firm wants to maintain the same data on Amazon Simple Storage Service (Amazon S3) between its production account and multiple test accounts. Which technique should you choose to copy data into multiple test accounts while retaining object metadata? Amazon S3 Replication
648. Which pillar of AWS Well-Architected Framework is responsible for making sure that you select the right resource types and sizes based on your workload requirements? Performance Efficiency
649. Which of the following AWS authentication mechanisms supports an AWS Multi-Factor Authentication (AWS MFA) device that you can plug into a USB port on your computer? U2F security key
650. Which benefit of Cloud Computing allows AWS to offer lower pay-as-you-go prices as usage from hundreds of thousands of customers is aggregated in the cloud? Massive economies of scale
651. Which AWS service can be used to send, store, and receive messages between software components at any volume to decouple application tiers? Amazon Simple Queue Service (Amazon SQS)
652. Which AWS service can be used to subscribe to an RSS feed to be notified of the status of all AWS service interruptions? AWS Health Dashboard - Service Health
653. Which of the following AWS Identity and Access Management (AWS IAM) Security Tools allows you to review permissions granted to an IAM user? AWS Identity and Access Management (IAM) access advisor
654. An e-commerce company would like to build a chatbot for its customer service using Natural Language Understanding (NLU). As a Cloud Practitioner, which AWS service would you use? Amazon Lex
655. A company needs to use a secure online data transfer tool/service that can automate the ongoing transfers from on-premises systems into AWS while providing support for incremental data backups. Which AWS tool/service is an optimal fit for this requirement? AWS DataSync
656. A company would like to optimize Amazon Elastic Compute Cloud (Amazon EC2) costs. Which of the following actions can help with this task? (Select TWO) Set up Auto Scaling groups to align the number of instances with the demand, Purchase Amazon EC2 Reserved instances (RIs)
657. A company would like to move 50 petabytes (PBs) of data from its on-premises data centers to AWS in the MOST cost-effective way. As a Cloud Practitioner, which of the following solutions would you choose? AWS Snowmobile
658. A brand-new startup would like to remove its need to manage the underlying infrastructure and focus on the deployment and management of its applications. Which type of cloud computing does this refer to? Platform as a Service (PaaS)
659. A research lab needs to be notified in case of a configuration change for security and compliance reasons. Which AWS service can assist with this task? AWS Config
660. Which of the following are the advantages of using the AWS Cloud? (Select TWO) Increase speed and agility, Stop guessing about capacity
661. According to the AWS Shared Responsibility Model, which of the following is both the responsibility of AWS and the customer? (Select two) Configuration management, Operating system (OS) configuration
662. Which AWS service can inspect Amazon CloudFront distributions running on any HTTP web server? AWS Web Application Firewall (AWS WAF)
663. A data science team would like to build Machine Learning models for its projects. Which AWS service can it use? Amazon SageMaker
664. An engineering team is new to the AWS Cloud and it would like to launch a dev/test environment with low monthly pricing. Which AWS service can address this use case? Amazon LightSail
665. A company based in Sydney hosts its application on an Amazon Elastic Compute Cloud (Amazon EC2) instance in ap-southeast-2. They would like to deploy the same Amazon EC2 instances in eu-south-1. Which of the following AWS entities can address this use case? Amazon Machine Image (AMI)
666. A company would like to create a private, high bandwidth network connection between its on-premises data centers and AWS Cloud. As a Cloud Practitioner, which of the following options would you recommend? AWS Direct Connect
667. According to the AWS Shared Responsibility Model, which of the following are the responsibilities of AWS? (Select two) Data center security, Network operability
668. Which AWS serverless service allows you to prepare data for analytics? AWS Glue
669. A production company would like to establish an AWS managed virtual private network (VPN) service between its on-premises network and AWS. Which item needs to be set up on the company's side? A customer gateway
670. A company would like to reserve Amazon Elastic Compute Cloud (Amazon EC2) compute capacity for three years to reduce costs. The company also plans to increase their workloads during this period. As a Cloud Practitioner, which Amazon Elastic Compute Cloud (Amazon EC2) reserved instance (RI) type would you recommend? Convertible reserved instance (RI)
671. Which service/tool will you use to create and provide trusted users with temporary security credentials that can control access to your AWS resources? AWS Security Token Service (AWS STS)
672. Which of the following AWS Support plans is the MOST cost-effective when getting enhanced technical support by Cloud Support Engineers? AWS Business Support
673. Which of the following criteria are used to calculate the charge for Amazon EBS Volumes? (Select Two) Provisioned IOPS, Volume type
674. A media company wants to enable customized content suggestions for the users of its movie streaming platform. Which AWS service can provide these personalized recommendations based on historic data? Amazon Personalize
675. A Cloud Practitioner would like to get operational insights of its resources to quickly identify any issues that might impact applications using those resources. Which AWS service can help with this task? AWS Systems Manager
676. A growing start-up has trouble identifying and protecting sensitive data at scale. Which AWS fully managed service can assist with this task? Amazon Macie
677. According to the AWS Shared Responsibility Model, which of the following is the responsibility of the customer? Firewall & networking configuration of Amazon Elastic Compute Cloud (Amazon EC2)
678. Which AWS tool can provide best practice recommendations for performance, service limits, and cost optimization? AWS Trusted Advisor
679. A start-up would like to monitor its cost on the AWS Cloud and would like to choose an optimal Savings Plan. As a Cloud Practitioner, which AWS service would you use? AWS Cost Explorer
680. Which types of monitoring can be provided by Amazon CloudWatch? (Select TWO) Application performance, Resource utilization
681. Adding more CPU/RAM to an Amazon Elastic Compute Cloud (Amazon EC2) instance represents which of the following? Vertical scaling
682. A company using a hybrid cloud would like to store secondary backup copies of the on-premises data. Which Amazon S3 Storage Class would you use for a cost-optimal yet rapid access solution? Amazon S3 One Zone-Infrequent Access (S3 One Zone-IA)
683. Which of the following billing timeframes is applied when running a Windows EC2 on-demand instance? Pay per second
684. Which security control tool can be used to deny traffic from a specific IP address? Network Access Control List (network ACL)
685. A production company with predictable usage would like to reduce the cost of its Amazon Elastic Compute Cloud (Amazon EC2) instances by using reserved instances (RI). Which of the following length terms are available for Amazon EC2 reserved instances (RI)? (Select Two) 1 year, 3 years
686. Which AWS service allows you to quickly and easily add user sign-up, sign-in, and access control to web and mobile applications? Amazon Cognito
687. The development team at a company manages 300 microservices and it is now trying to automate the code reviews to improve the code quality. Which tool/service is the right fit for this requirement? Amazon CodeGuru
688. A corporation would like to simplify access management to multiple AWS accounts as well as facilitate AWS Single Sign-On (AWS SSO) access to its AWS accounts. As a Cloud Practitioner, which AWS service would you use for this task? AWS IAM Identity Center
689. According to the AWS Well-Architected Framework, which of the following action is recommended in the Security pillar? Use AWS Key Management Service (AWS KMS) to encrypt data
690. A developer would like to automate operations on his on-premises environment using Chef and Puppet. Which AWS service can help with this task? AWS OpsWorks
691. According to the AWS Well-Architected Framework, which of the following statements are recommendations in the Operational Excellence pillar? (Select two) Anticipate failure, Make frequent, small, reversible changes
692. A company would like to separate cost for AWS services by the department for cost allocation. Which of the following is the simplest way to achieve this task? Create tags for each department
693. Which of the following options are the benefits of using AWS Elastic Load Balancing (ELB)? (Select TWO) High availability, Fault tolerance
694. Which of the following statements is an AWS best practice when architecting for the Cloud? Automation
695. Which of the following statements is CORRECT regarding the scope of an Amazon Virtual Private Cloud (VPC)? A VPC spans all Availability Zones (AZs) within an AWS region
696. Which of the following are the best practices when using AWS Organizations? (Select TWO) Create AWS accounts per department, Restrict account privileges using Service Control Policies (SCP)
697. A company is planning to implement Chaos Engineering to expose any blind spots that can disrupt the resiliency of the application. Which AWS service will help implement this requirement with the least effort? AWS Fault Injection Simulator (AWS FIS)
698. A start-up would like to quickly deploy a popular technology on AWS. As a Cloud Practitioner, which AWS tool would you use for this task? AWS Partner Solutions (formerly Quick Starts)
699. An organization would like to copy data across different Availability Zones (AZs) using Amazon EBS snapshots. Where are Amazon EBS snapshots stored in the AWS Cloud? Amazon Simple Storage Service (Amazon S3)
700. Which of the following services are provided by Amazon Route 53? (Select Two) Domain registration, Health checks and monitoring
701. Which of the following AWS services can be used to generate, use, and manage encryption keys on the AWS Cloud? AWS CloudHSM
702. A Cloud Practitioner would like to deploy identical resources across all AWS regions and accounts using templates while estimating costs. Which AWS service can assist with this task? AWS CloudFormation
703. Which AWS service can be used to view the most comprehensive billing details for the past month? AWS Cost & Usage Report (AWS CUR)
704. Which AWS tool/service will help you define your cloud infrastructure using popular programming languages such as Python and JavaScript? AWS Cloud Development Kit (AWS CDK)
705. A multinational company has just moved its infrastructure to AWS Cloud and has employees traveling to different offices around the world. How should the company set the AWS accounts? There is nothing to do, AWS Identity and Access Management (AWS IAM) is a global service
706. A company would like to audit requests made to an Amazon Simple Storage Service (Amazon S3) bucket. As a Cloud Practitioner, which Amazon Simple Storage Service (Amazon S3) feature would you recommend addressing this use-case? Amazon Simple Storage Service (Amazon S3) Access Logs
707. The IT infrastructure at a university is deployed on AWS Cloud and it's experiencing a read-intensive workload. As a Cloud Practitioner, which AWS service would you use to take the load off databases? Amazon ElastiCache
708. Which Amazon Elastic Compute Cloud (Amazon EC2) Auto Scaling feature can help with fault tolerance? Replacing unhealthy Amazon EC2 instances
709. A company needs to keep sensitive data in its own data center due to compliance but would still like to deploy resources using AWS. Which Cloud deployment model does this refer to? Hybrid Cloud
710. Which of the following statements is the MOST accurate when describing AWS Elastic Beanstalk? It is a Platform as a Service (PaaS) that allows you to deploy and scale web applications and services
711. Which of the following options is NOT a feature of Amazon Inspector? Track configuration changes
712. A company would like to move its infrastructure to AWS Cloud. Which of the following should be included in the Total Cost of Ownership (TCO) estimate? (Select TWO) Server administration, Power/Cooling
713. Which of the following statements is INCORRECT regarding Amazon EBS Elastic Volumes? Amazon EBS Elastic Volumes can be bound to several Availability Zones (AZs)
714. An engineering team would like to cost-effectively run hundreds of thousands of batch computing workloads on AWS. As a Cloud Practitioner, which AWS service would you use for this task? AWS Batch
715. A company would like to define a set of rules to manage objects cost-effectively between Amazon Simple Storage Service (Amazon S3) storage classes. As a Cloud Practitioner, which Amazon S3 feature would you use? Amazon Simple Storage Service (Amazon S3) Lifecycle configuration
716. A company is looking at real-time processing of streaming big data for their ad-tech platform. Which of the following AWS services is the right choice for this requirement? Amazon Kinesis Data Streams
717. A Cloud Practitioner wants to use CIDR block notation when providing an IP address range. Which of the following AWS network services/utilities allow this feature? (Select two) Security group, Network access control list (network ACL)
718. A weather-tracking application is built using Amazon DynamoDB. The performance of the application has been consistently good. But lately, the team has realized that during holidays and travel seasons, the load on the application is high and the read requests consume most of the database resources, thereby drastically increasing the overall application latency. Which feature/service will help resolve this issue? Amazon DynamoDB Accelerator
719. Which of the following services/tools offers a user-friendly graphical user interface to manage AWS Snowball devices without a need for command-line interface or REST APIs? AWS OpsHub
720. Which of the following statements are true about AWS Shared Responsibility Model? (Select two) AWS is responsible for patching and fixing flaws within the infrastructure, but customers are responsible for patching their guest operating system and applications, AWS trains AWS employees, but a customer must train their own employees
721. Which of the following AWS services can be used to continuously monitor both malicious activities as well as unauthorized behavior to protect your AWS accounts and workloads? Amazon GuardDuty
722. Which of the following represents the correct scenario where an Auto Scaling group's (ASG) predictive scaling can be effectively used to maintain the required number of AWS resources? To manage a workload that exhibits recurring load patterns that are specific to the day of the week or the time of day
723. Which AWS service is used to store and commit code privately and also offer features for version control? AWS CodeCommit
724. A Security Group has been changed in an AWS account and the manager of the account has asked you to find out the details of the user who changed it. As a Cloud Practitioner, which AWS service will you use to fetch the necessary information? AWS CloudTrail
725. A media company uses Amazon Simple Storage Service (Amazon S3) for storing all its data. Which storage class should it consider for cost-optimal storage of the data that has random access patterns? Amazon S3 Intelligent-Tiering (S3 Intelligent-Tiering)
726. Which of the following are the security best practices suggested by AWS for Identity and Access Management (IAM)? (Select two) When you create IAM policies, grant the least privileges required to perform a task, Do not share security credentials between accounts, use IAM roles instead
727. Which of the following is a repository service that helps in maintaining application dependencies via integration with commonly used package managers and build tools like Maven, Gradle, npm, etc? AWS CodeArtifact
728. A supply chain company is looking for a database that provides a centrally verifiable history of all changes made to data residing in it. This functionality is critical for the product and needs to be available off the shelf without the need for any customizations. Which of the following databases is the right choice for this use case? Amazon Quantum Ledger Database (Amazon QLDB)
729. Which of the following statements are true about AWS Regions and Availability Zones (AZ)? (Select two) Each AWS Region consists of multiple, isolated, and physically separate Availability Zones (AZ) within a geographic area, All traffic between Availability Zones (AZ) is encrypted
730. A company is moving its on-premises application to AWS Cloud. The application uses in-memory caches for running custom workloads. Which Amazon Elastic Compute Cloud (Amazon EC2) instance type is the right choice for the given requirement? Memory Optimized instance types
731. A company is planning to move their traditional CRM application running on MySQL to an AWS database service. Which database service is the right fit for this requirement? Amazon Aurora
732. Due to regulatory guidelines, a company needs to encrypt data as it passes through the different layers of its AWS architecture. The company is reviewing the capabilities of the various AWS services and their encryption options. Which of the below services are encrypted by default and need no user intervention to enable encryption? AWS CloudTrail Logs, Amazon S3 Glacier, AWS Storage Gateway
733. An e-commerce company needs to generate custom reports and graphs every week for analyzing the product sales data. The company is looking at a tool/service that will help them analyze this data using interactive dashboards with minimal effort. The dashboards also need to be accessible from any device. Which AWS tool/service will you recommend for this use-case? Amazon Quicksight
734. An e-commerce company has its on-premises data storage on an NFS file system that is accessed in parallel by multiple applications. The company is looking at moving the applications and data stores to AWS Cloud. Which storage service should the company use to move their files to AWS Cloud seamlessly if the application is hosted on Amazon Elastic Compute Cloud (Amazon EC2) instances? Amazon Elastic File System (Amazon EFS)
735. A financial consulting company is looking for automated reference deployments, that will speed up the process of deploying its financial solutions on AWS Cloud. The reference deployment should be able to deploy most of the well-known functions of financial services and leave space for customizations, if necessary. Which AWS service will help achieve this requirement? AWS Partner Solutions(formerly Quick Starts)
736. A university provides access to AWS services for its students to submit their research data for analysis. The university is looking at the most cost-effective approach for recovering from disasters and it can tolerate data loss of a few hours. Which disaster recovery strategy is well-suited for this use case? Backup and restore strategy
737. Which of the following statements are correct regarding Amazon API Gateway? (Select two) Amazon API Gateway can call an AWS Lambda function to create the front door of a serverless application, API Gateway can be configured to send data directly to Amazon Kinesis Data Stream
738. Historically, IT departments had to over-provision for peak demand. IT professionals may bring this legacy mindset to the table when they build their cloud infrastructure leading to over-provisioned resources and unnecessary costs. Right-sizing of resources is necessary to reduce infrastructure costs while still using cloud functionality optimally. Which feature of the AWS Cloud refers to right-sizing the resources? Elasticity
739. A manufacturing company is looking at a service that can offer AWS infrastructure, AWS services, APIs, and tools to its on-premises data center for running low latency applications. Which of the following service/tool is the best fit for the given requirement? AWS Outposts
740. A team manager needs data about the changes that have taken place for AWS resources in his account during the past two weeks. Which AWS service can help get this data? AWS Config
741. Which of the following points have to be considered when choosing an AWS Region for a service? (Select two) Compliance and Data Residency guidelines of the AWS Region should match your business requirements, AWS Region chosen should be geographically closer to the user base that utilizes the hosted AWS services
742. Which feature/functionality will help you organize your AWS resources, manage and automate tasks on large numbers of resources at a time? AWS Resource Groups
743. Which tool/service will help you get a forecast of your spending for the next 12 months? AWS Cost Explorer
744. Which of the following is the least effort way to encrypt data for AWS services only in your AWS account using AWS Key Management Service (KMS)? Use AWS managed master keys that are automatically created in your account for each service
745. Which free tool helps to review the state of your workloads and compares them to the latest AWS architectural best practices after you have answered a series of questions about your workload? AWS Well-Architected Tool
746. Which pillar of AWS Well-Architected Framework focuses on using IT and computing resources efficiently, while considering the right resource types and sizes based on workload requirements? Performance Efficiency Pillar
747. Which of the following statements are correct regarding the AWS Support Plans? (Select two) A designated Technical Account Manager is available only for AWS Enterprise Support plan, Both Basic and AWS Developer Support plans have access to the core Trusted Advisor checks only
748. Which of the following use-cases can be solved using the Amazon Forecast service? Predict the web traffic of a website for the next few weeks
749. Which member of the AWS Snow Family is used by the Edge computing applications for IoT use cases for facilitating the collection and processing of data to gain immediate insights and then transfer the data to AWS? AWS Snowcone
750. A healthcare company wants to implement a continuous replication based disaster recovery mechanism and provide fast, reliable recovery of physical, virtual, and cloud-based servers into AWS Cloud. Which of the following represents the best-fit solution for this use case? CloudEndure Disaster Recovery
751. A company has defined a baseline that mentions the number of AWS resources to be used for different stages of application testing. However, the company realized that employees are not adhering to the guidelines and provisioning additional resources via API calls, resulting in higher testing costs. Which AWS service will help the company raise alarms whenever the baseline resource numbers are crossed? AWS CloudTrail Insights
752. An e-commerce application sends out messages to a downstream application whenever an order is created. The downstream application processes the messages and updates its own systems. Currently, the two applications directly communicate with each other. Which service will you use to decouple this architecture, without any communication loss between the two systems? Amazon Simple Queue Service (SQS)
753. Which of the following AWS services will help provision a logically isolated network for your AWS resources? Amazon Virtual Private Cloud (Amazon VPC)
754. A company provides you with a completed product that is run and managed by the company itself. As a customer, you only use the product without worrying about maintaining or managing the product. Which cloud computing model does this kind of product belong to? Software as a Service (SaaS)
755. A company stores all its media files in Amazon Simple Storage Service (Amazon S3) which is accessed by an application hosted on Amazon EC2 instances. The company wants to convert these media files into formats that users can playback on mobile devices. Which AWS service/tool helps you achieve this requirement? Amazon Elastic Transcoder
756. Which of the following are NoSQL database services from AWS? (Select two) Amazon Neptune, Amazon DocumentDB
757. A company wants to establish a private, dedicated connection between AWS and its on-premises data center. Which AWS service is the right choice for this requirement? AWS Direct Connect
758. A company is looking at a service/tool to automate and minimize the time spent on keeping the server images up-to-date. These server images are used by Amazon Elastic Compute Cloud (Amazon EC2) instances as well as the on-premises systems. Which AWS service will help achieve the company's need? Amazon EC2 Image Builder
759. By default, which of the following events are logged by AWS CloudTrail? Management events
760. Which of the following statements are true about AWS Elastic Beanstalk? (Select two) With AWS Elastic Beanstalk, you can quickly deploy and manage applications in the AWS Cloud without having to learn about the infrastructure that runs those applications, There is no additional charge for AWS Elastic Beanstalk. You pay only for the underlying AWS resources that your application consumes
761. Which of the following AWS services are offered free of cost? (Select two) AWS Elastic Beanstalk, AWS Auto Scaling
762. As part of log analysis, you have realized that one or more AWS-owned IP addresses are being used for port scanning your on-premises server. Which service/team should you connect to resolve this issue? Contact AWS Abuse team
763. As a Cloud Practitioner, which of the following credentials would you recommend for signing in to the AWS Management Console to meet security best practices? (Select two) IAM Username and password, Multi Factor Authentication (MFA)
764. A blogging company is looking at an easy to use solution to host WordPress blogs. The company needs a cost-effective, readily available solution without the need to manage the configurations for servers or the databases. Which AWS service will help you achieve this functionality? Amazon Lightsail
765. An e-learning company wants to build a knowledge graph by leveraging a fully managed database. Which of the following is the best fit for this requirement? Amazon Neptune
766. Which of the following statements are correct regarding the AWS Control Tower and Service Control Policies? (Select two) AWS Control Tower is an AWS native service providing a pre-defined set of blueprints and guardrails to help customers implement a landing zone for new AWS accounts, Service Control Policies (SCPs) are a type of organization policy that you can use to manage permissions in your organization
767. Which of the following statements are correct regarding the health monitoring and reporting capabilities supported by AWS Elastic Beanstalk? (Select two) The AWS Elastic Beanstalk health monitoring can determine that the environment's Auto Scaling group is available and has a minimum of at least one instance, With basic health reporting, the AWS Elastic Beanstalk service does not publish any metrics to Amazon CloudWatch
768. AWS Support offers five support plans for its customers. Which of the following features are covered as part of the AWS Basic Support Plan? (Select two) One-on-one responses to account and billing questions, Service health checks
769. A gaming company needs compute and storage services close to edge locations in order to ensure ultra-low latency for end-users and devices that connect through mobile networks. Which AWS service is the best fit for this requirement? AWS Wavelength
770. Which of the following AWS services is delivered globally rather than regionally? Amazon WorkSpaces
771. Which AWS service allows you to connect any number of IoT devices to the cloud without requiring you to provision or manage servers? AWS IoT Core
772. A financial services company needs to retain its data for 10 years to meet compliance norms. Which Amazon Simple Storage Service (Amazon S3) storage class is the best fit for this use case considering that the data has to be stored at a minimal cost? Amazon S3 Glacier Deep Archive
773. Per the AWS Shared Responsibility Model, management of which of the following AWS services is the responsibility of the customer? Amazon Elastic Compute Cloud (Amazon EC2)
774. AWS Support plans are designed to give the right mix of tools and access to expertise for successfully running a business using AWS. Which support plan(s) offers the full set of checks for AWS Trusted Advisor best practices and also provides support for programmatic case management? AWS Business Support, AWS Enterprise On-Ramp, and AWS Enterprise Support plans
775. A company is looking for ways to make its desktop applications available to the employees from browsers on their devices/laptops. Which AWS service will help achieve this requirement without having to procure servers or maintain infrastructure? Amazon AppStream 2.0
776. AWS Web Application Firewall (AWS WAF) can be deployed on which of the following services? Amazon CloudFront, Application Load Balancer, Amazon API Gateway, AWS AppSync
777. As part of a flexible pricing model, AWS offers two types of Savings Plans. Which of the following are the Savings Plans from AWS? Compute Savings Plans, EC2 Instance Savings Plans
778. A team lead is reviewing the AWS services that can be used in the development workflow for his company. Which of the following statements are correct regarding the capabilities of these AWS services? (Select three) Each AWS CodeStar project includes development tools, including AWS CodePipeline, AWS CodeCommit, AWS CodeBuild, and AWS CodeDeploy, that can be used on their own and with existing AWS applications, AWS CodePipeline uses Amazon CloudWatch Events to detect changes in CodeCommit repositories used as a source for a pipeline, You can use AWS CodeStar and AWS Cloud9 to develop, build, and deploy a serverless web application
779. Which of the following will help you control the incoming traffic to an Amazon EC2 instance? Security Group
780. Which of the following data sources are used by Amazon Detective to analyze events and identify potential security issues? AWS CloudTrail logs, Amazon VPC Flow Logs, and Amazon GuardDuty findings