# ExamTopics

### Set 1

1. A company plans to use an Amazon Snowball Edge device to transfer files to the AWS Cloud. Which activities related to a Snowball Edge device are available to the company at no cost?
2. **Use of the Snowball Edge appliance for a 10-day period**
3. The transfer of data out of Amazon S3 and to the Snowball Edge appliance
4. The transfer of data from the Snowball Edge appliance into Amazon S3
5. Daily use of the Snowball Edge appliance after 10 days
6. A company has deployed applications on Amazon EC2 instances. The company needs to assess application vulnerabilities and must identify infrastructure deployments that do not meet best practices. Which AWS service can the company use to meet these requirements?
7. AWS Trusted Advisor
8. **Amazon Inspector**
9. AWS Config
10. Amazon GuardDuty
11. A company has a centralized group of users with large file storage requirements that have exceeded the space available on premises. The company wants to extend its file storage capabilities for this group while retaining the performance benefit of sharing content locally. What is the MOST operationally efficient AWS solution for this scenario?
12. Create an Amazon S3 bucket for each user. Mount each bucket by using an S3 file system mounting utility.
13. **Configure and deploy an AWS Storage Gateway file gateway. Connect each user’s workstation to the file gateway.**
14. Move each user’s working environment to Amazon WorkSpaces. Set up an Amazon WorkDocs account for each user.
15. Deploy an Amazon EC2 instance and attach an Amazon Elastic Block Store (Amazon EBS) Provisioned IOPS volume. Share the EBS volume directly with the users.
16. According to security best practices, how should an Amazon EC2 instance be given access to an Amazon S3 bucket?
17. Hard code an IAM user’s secret key and access key directly in the application, and upload the file.
18. Store the IAM user’s secret key and access key in a text file on the EC2 instance, read the keys, then upload the file.
19. **Have the EC2 instance assume a role to obtain the privileges to upload the file.**
20. Modify the S3 bucket policy so that any service can upload to it at any time.
21. Which option is a customer responsibility when using Amazon DynamoDB under the AWS Shared Responsibility Model?
22. Physical security of DynamoDB
23. Patching of DynamoDB
24. **Access to DynamoDB tables**
25. Encryption of data at rest in DynamoDB
26. Which option is a perspective that includes foundational capabilities of the AWS Cloud Adoption Framework (AWS CAF)?
27. Sustainability
28. Performance efficiency
29. **Governance**
30. Reliability
31. A company is running and managing its own Docker environment on Amazon EC2 instances. The company wants an alternative to help manage cluster size, scheduling, and environment maintenance. Which AWS service meets these requirements?
32. AWS Lambda
33. Amazon RDS
34. **AWS Fargate**
35. Amazon Athena
36. A company wants to run a NoSQL database on Amazon EC2 instances. Which task is the responsibility of AWS in this scenario?
37. Update the guest operating system of the EC2 instances.
38. Maintain high availability at the database layer.
39. **Patch the physical infrastructure that hosts the EC2 instances.**
40. Configure the security group firewall.
41. Which AWS services or tools can identify rightsizing opportunities for Amazon EC2 instances? (Choose two.)
42. **AWS Cost Explorer**
43. AWS Billing Conductor
44. Amazon CodeGuru
45. Amazon SageMaker
46. **AWS Compute Optimizer**
47. Which of the following are benefits of using AWS Trusted Advisor? (Choose two.)
48. Providing high-performance container orchestration
49. Creating and rotating encryption keys
50. **Detecting underutilized resources to save costs**
51. **Improving security by proactively monitoring the AWS environment**
52. Implementing enforced tagging across AWS resources
53. Which of the following is an advantage that users experience when they move on-premises workloads to the AWS Cloud?
    1. **Elimination of expenses for running and maintaining data centers**
    2. Price discounts that are identical to discounts from hardware providers
    3. Distribution of all operational controls to AWS
    4. Elimination of operational expenses
54. A company wants to manage deployed IT services and govern its infrastructure as code (IaC) templates. Which AWS service will meet this requirement?
55. AWS Resource Explorer
56. **AWS Service Catalog**
57. AWS Organizations
58. AWS Systems Manager
59. Which AWS service or tool helps users visualize, understand, and manage spending and usage over time?
60. AWS Organizations
61. AWS Pricing Calculator
62. **AWS Cost Explorer**
63. A company is using a central data platform to manage multiple types of data for its customers. The company wants to use AWS services to discover, transform, and visualize the data. Which combination of AWS services should the company use to meet these requirements? (Choose two.)
64. **AWS Glue**
65. Amazon Elastic File System (Amazon EFS)
66. Amazon Redshift
67. **Amazon QuickSight**
68. Amazon Quantum Ledger Database (Amazon QLDB)
69. A global company wants to migrate its third-party applications to the AWS Cloud. The company wants help from a global team of experts to complete the migration faster and more reliably in accordance with AWS internal best practices. Which AWS service or resource will meet these requirements?
70. AWS Support
71. **AWS Professional Services**
72. AWS Launch Wizard
73. AWS Managed Services (AMS)
74. An e-learning platform needs to run an application for 2 months each year. The application will be deployed on Amazon EC2 instances. Any application downtime during those 2 months must be avoided. Which EC2 purchasing option will meet these requirements MOST cost-effectively?
75. Reserved Instances
76. Dedicated Hosts
77. Spot Instances
78. **On-Demand Instances**
79. A developer wants to deploy an application quickly on AWS without manually creating the required resources. Which AWS service will meet these requirements?
80. Amazon EC2
81. **AWS Elastic Beanstalk**
82. AWS CodeBuild
83. Amazon Personalize
84. A company is storing sensitive customer data in an Amazon S3 bucket. The company wants to protect the data from accidental deletion or overwriting. Which S3 feature should the company use to meet these requirements?
85. S3 Lifecycle rules
86. **S3 Versioning**
87. S3 bucket policies
88. S3 server-side encryption
89. Which AWS service provides the ability to manage infrastructure as code?
90. AWS CodePipeline
91. AWS CodeDeploy
92. AWS Direct Connect
93. **AWS CloudFormation**
94. An online gaming company needs to choose a purchasing option to run its Amazon EC2 instances for 1 year. The web traffic is consistent, and any increases in traffic are predictable. The EC2 instances must be online and available without any disruption. Which EC2 instance purchasing option will meet these requirements MOST cost-effectively?
95. On-Demand Instances
96. **Reserved Instances**
97. Spot Instances
98. Spot Fleet
99. Which AWS service or feature allows a user to establish a dedicated network connection between a company’s on-premises data center and the AWS Cloud?
    1. **AWS Direct Connect**
    2. VPC peering
    3. AWS VPN
    4. Amazon Route 53
100. Which option is a physical location of the AWS global infrastructure?
     1. AWS DataSync
     2. **AWS Region**
     3. Amazon Connect
     4. AWS Organizations
101. A company wants to protect its AWS Cloud information, systems, and assets while performing risk assessment and mitigation tasks. Which pillar of the AWS Well-Architected Framework is supported by these goals?
102. Reliability
103. **Security**
104. Operational excellence
105. Performance efficiency
106. What is the purpose of having an internet gateway within a VPC?
107. To create a VPN connection to the VPC
108. **To allow communication between the VPC and the internet**
109. To impose bandwidth constraints on internet traffic
110. To load balance traffic from the internet across Amazon EC2 instances
111. A company is running a monolithic on-premises application that does not scale and is difficult to maintain. The company has a plan to migrate the application to AWS and divide the application into microservices. Which best practice of the AWS Well-Architected Framework is the company following with this plan?
112. Integrate functional testing as part of AWS deployment.
113. Use automation to deploy changes.
114. Deploy the application to multiple locations.
115. **Implement loosely coupled dependencies.**
116. A company has an AWS account. The company wants to audit its password and access key rotation details for compliance purposes. Which AWS service or tool will meet this requirement?
117. IAM Access Analyzer
118. AWS Artifact
119. **IAM credential report**
120. AWS Audit Manager
121. A company wants to receive a notification when a specific AWS cost threshold is reached. Which AWS services or tools can the company use to meet this requirement? (Choose two.)
122. Amazon Simple Queue Service (Amazon SQS)
123. **AWS Budgets**
124. Cost Explorer
125. **Amazon CloudWatch**
126. AWS Cost and Usage Report
127. Which AWS service or resource provides answers to the most frequently asked security-related questions that AWS receives from its users?
128. AWS Artifact
129. Amazon Connect
130. AWS Chatbot
131. **AWS Knowledge Center**
132. Which tasks are customer responsibilities, according to the AWS shared responsibility model? (Choose two.)
     1. **Configure the AWS provided security group firewall.**
     2. **Classify company assets in the AWS Cloud.**
     3. Determine which Availability Zones to use for Amazon S3 buckets.
     4. Patch or upgrade Amazon DynamoDB.
     5. Select Amazon EC2 instances to run AWS Lambda on.
133. Which of the following are pillars of the AWS Well-Architected Framework? (Choose two.)
134. Availability
135. **Reliability**
136. Scalability
137. Responsive design
138. **Operational excellence**
139. Which AWS service or feature is used to send both text and email messages from distributed applications?
140. Amazon Simple Notification Service (Amazon SNS)
141. Amazon Simple Email Service (Amazon SES)
142. Amazon CloudWatch alerts
143. Amazon Simple Queue Service (Amazon SQS)
144. A user needs programmatic access to AWS resources through the AWS CLI or the AWS API. Which option will provide the user with the appropriate access?
145. Amazon Inspector
146. Access keys
147. SSH public keys
148. AWS Key Management Service (AWS KMS) keys
149. A company runs thousands of simultaneous simulations using AWS Batch. Each simulation is stateless, is fault tolerant, and runs for up to 3 hours. Which pricing model enables the company to optimize costs and meet these requirements?
150. Reserved Instances
151. **Spot Instances**
152. On-Demand Instances
153. Dedicated Instances
154. What does the concept of agility mean in AWS Cloud computing? (Choose two.)
155. **The speed at which AWS resources are implemented**
156. The speed at which AWS creates new AWS Regions
157. **The ability to experiment quickly**
158. The elimination of wasted capacity
159. The low cost of entry into cloud computing
160. A company needs to block SQL injection attacks. Which AWS service or feature can meet this requirement?
161. **AWS WAF**
162. AWS Shield
163. Network ACLs
164. Security groups
165. Which AWS service or feature identifies whether an Amazon S3 bucket or an IAM role has been shared with an external entity?
166. AWS Service Catalog
167. AWS Systems Manager
168. **AWS IAM Access Analyzer**
169. AWS Organizations
170. A cloud practitioner needs to obtain AWS compliance reports before migrating an environment to the AWS Cloud. How can these reports be generated?
171. Contact the AWS Compliance team.
172. **Download the reports from AWS Artifact.**
173. Open a case with AWS Support.
174. Generate the reports with Amazon Macie.
175. An ecommerce company has migrated its IT infrastructure from an on-premises data center to the AWS Cloud. Which cost is the company’s direct responsibility?
176. **Cost of application software licenses**
177. Cost of the hardware infrastructure on AWS
178. Cost of power for the AWS servers
179. Cost of physical security for the AWS data center
180. A company is setting up AWS Identity and Access Management (IAM) on an AWS account. Which recommendation complies with IAM security best practices?
181. Use the account root user access keys for administrative tasks.
182. Grant broad permissions so that all company employees can access the resources they need.
183. **Turn on multi-factor authentication (MFA) for added security during the login process.**
184. Avoid rotating credentials to prevent issues in production applications.
185. Elasticity in the AWS Cloud refers to which of the following? (Choose two.)
186. How quickly an Amazon EC2 instance can be restarted
187. **The ability to rightsize resources as demand shifts**
188. The maximum amount of RAM an Amazon EC2 instance can use
189. The pay-as-you-go billing model
190. **How easily resources can be procured when they are needed**
191. Which service enables customers to audit API calls in their AWS accounts?
192. **AWS CloudTrail**
193. AWS Trusted Advisor
194. Amazon Inspector
195. AWS X-Ray
196. What is a customer responsibility when using AWS Lambda according to the AWS shared responsibility model?
197. **Managing the code within the Lambda function**
198. Confirming that the hardware is working in the data center
199. Patching the operating system
200. Shutting down Lambda functions when they are no longer in use
201. A company has 5 TB of data stored in Amazon S3. The company plans to occasionally run queries on the data for analysis. Which AWS service should the company use to run these queries in the MOST cost-effective manner?
202. Amazon Redshift
203. **Amazon Athena**
204. Amazon Kinesis
205. Amazon RDS
206. Which AWS service can be used at no additional cost?
207. Amazon SageMaker
208. AWS Config
209. **AWS Organizations**
210. Amazon CloudWatch
211. Which AWS Cloud Adoption Framework (AWS CAF) capability belongs to the people perspective?
212. Data architecture
213. Event management
214. **Cloud fluency**
215. Strategic partnership
216. A company wants to make an upfront commitment for continued use of its production Amazon EC2 instances in exchange for a reduced overall cost. Which pricing options meet these requirements with the LOWEST cost? (Choose two.)
217. Spot Instances
218. On-Demand Instances
219. **Reserved Instances**
220. **Savings Plans**
221. Dedicated Hosts
222. A company wants to migrate its on-premises relational databases to the AWS Cloud. The company wants to use infrastructure as close to its current geographical location as possible. Which AWS service or resource should the company use to select its Amazon RDS deployment area?
223. Amazon Connect
224. AWS Wavelength
225. **AWS Regions**
226. AWS Direct Connect
227. A company is exploring the use of the AWS Cloud, and needs to create a cost estimate for a project before the infrastructure is provisioned. Which AWS service or feature can be used to estimate costs before deployment?
228. AWS Free Tier
229. **AWS Pricing Calculator**
230. AWS Billing and Cost Management
231. AWS Cost and Usage Report
232. A company is building an application that needs to deliver images and videos globally with minimal latency. Which approach can the company use to accomplish this in a cost effective manner?
233. **Deliver the content through Amazon CloudFront.**
234. Store the content on Amazon S3 and enable S3 cross-region replication.
235. Implement a VPN across multiple AWS Regions.
236. Deliver the content through AWS PrivateLink.
237. Which option is a benefit of the economies of scale based on the advantages of cloud computing?
238. The ability to trade variable expense for fixed expense
239. Increased speed and agility
240. **Lower variable costs over fixed costs**
241. Increased operational costs across data centers
242. Which of the following is a software development framework that a company can use to define cloud resources as code and provision the resources through AWS CloudFormation?
     1. AWS CLI
     2. AWS Developer Center
     3. **AWS Cloud Development Kit (AWS CDK)**
     4. AWS CodeStar
243. A company is developing an application that uses multiple AWS services. The application needs to use temporary, limited-privilege credentials for authentication with other AWS APIs. Which AWS service or feature should the company use to meet these authentication requirements?
244. Amazon API Gateway
245. IAM users
246. **AWS Security Token Service (AWS STS)**
247. IAM instance profiles
248. Which AWS service is a cloud security posture management (CSPM) service that aggregates alerts from various AWS services and partner products in a standardized format?
249. **AWS Security Hub**
250. AWS Trusted Advisor
251. Amazon EventBridge
252. Amazon GuardDuty
253. Which AWS service is always provided at no charge?
254. Amazon S3
255. **AWS Identity and Access Management (IAM)**
256. Elastic Load Balancers
257. AWS WAF
258. To reduce costs, a company is planning to migrate a NoSQL database to AWS. Which AWS service is fully managed and can automatically scale throughput capacity to meet database workload demands?
259. Amazon Redshift
260. Amazon Aurora
261. **Amazon DynamoDB**
262. Amazon RDS
263. A company is using Amazon DynamoDB. Which task is the company’s responsibility, according to the AWS shared responsibility model?
264. Patch the operating system.
265. Provision hosts.
266. **Manage database access permissions.**
267. Secure the operating system.
268. A company has a test AWS environment. A company is planning on testing an application within AWS. The application testing can be interrupted and does not need to run continuously. Which Amazon EC2 purchasing option will meet these requirements MOST cost-effectively?
269. On-Demand Instances
270. Dedicated Instances
271. **Spot Instances**
272. Reserved Instances
273. Which AWS service gives users the ability to discover and protect sensitive data that is stored in Amazon S3 buckets?
274. **Amazon Macie**
275. Amazon Detective
276. Amazon GuardDuty
277. AWS IAM Access Analyzer
278. Which of the following services can be used to block network traffic to an instance? (Choose two.)
279. **Security groups**
280. Amazon Virtual Private Cloud (Amazon VPC) flow logs
281. **Network ACLs**
282. Amazon CloudWatch
283. AWS CloudTrail
284. Which AWS service can identify when an Amazon EC2 instance was terminated?
285. AWS Identity and Access Management (IAM)
286. **AWS CloudTrail**
287. AWS Compute Optimizer
288. Amazon EventBridge
289. Which of the following is a fully managed MySQL-compatible database?
290. Amazon S3
291. Amazon DynamoDB
292. Amazon Redshift
293. **Amazon Aurora**
294. Which AWS service supports a hybrid architecture that gives users the ability to extend AWS infrastructure, AWS services, APIs, and tools to data centers, co-location environments, or on-premises facilities?
295. AWS Snowmobile
296. AWS Local Zones
297. **AWS Outposts**
298. AWS Fargate
299. Which AWS service can run a managed PostgreSQL database that provides online transaction processing (OLTP)?
300. Amazon DynamoDB
301. Amazon Athena
302. **Amazon RDS**
303. Amazon EMR
304. A company wants to provide managed Windows virtual desktops and applications to its remote employees over secure network connections. Which AWS services can the company use to meet these requirements? (Choose two.)
305. Amazon Connect
306. **Amazon AppStream 2.0**
307. **Amazon WorkSpaces**
308. AWS Site-to-Site VPN
309. Amazon Elastic Container Service (Amazon ECS)
310. A company wants to monitor for misconfigured security groups that are allowing unrestricted access to specific ports. Which AWS service will meet this requirement?
311. **AWS Trusted Advisor**
312. Amazon CloudWatch
313. **Amazon GuardDuty**
314. AWS Health Dashboard

### Set 2

1. Which AWS service is a key-value database that provides sub-millisecond latency on a large scale?
2. **Amazon DynamoDB**
3. Amazon Aurora
4. Amazon DocumentDB (with MongoDB compatibility)
5. Amazon Neptune
6. A company is deploying a machine learning (ML) research project that will require a lot of compute power over several months. The ML processing jobs do not need to run at specific times. Which Amazon EC2 instance purchasing option will meet these requirements at the lowest cost?
7. On-Demand Instances
8. **Spot Instances**
9. Reserved Instances
10. Dedicated Instances
11. Which AWS services or features provide disaster recovery solutions for Amazon EC2 instances? (Choose two.)
12. EC2 Reserved Instances
13. **EC2 Amazon Machine Images (AMIs)**
14. **Amazon Elastic Block Store (Amazon EBS) snapshots**
15. AWS Shield
16. Amazon GuardDuty
17. Which AWS service provides command line access to AWS tools and resources directly from a web browser?
18. AWS CloudHSM
19. **AWS CloudShell**
20. Amazon WorkSpaces
21. AWS Cloud Map
22. A network engineer needs to build a hybrid cloud architecture connecting on-premises networks to the AWS Cloud using AWS Direct Connect. The company has a few VPCs in a single AWS Region and expects to increase the number of VPCs to hundreds over time. Which AWS service or feature should the engineer use to simplify and scale this connectivity as the VPCs increase in number?
23. VPC endpoints
24. **AWS Transit Gateway**
25. Amazon Route 53
26. AWS Secrets Manager
27. A company wants to assess its operational readiness. It also wants to identify and mitigate any operational risks ahead of a new product launch. Which AWS Support plan offers guidance and support for this kind of event at no additional charge?
    1. AWS Business Support
    2. AWS Basic Support
    3. AWS Developer Support
    4. **AWS Enterprise Support**
28. A company wants to establish a schedule for rotating database user credentials. Which AWS service will support this requirement with the LEAST amount of operational overhead?
29. AWS Systems Manager
30. **AWS Secrets Manager**
31. AWS License Manager
32. AWS Managed Services
33. Which AWS service or feature can be used to create a private connection between an on-premises workload and an AWS Cloud workload?
34. Amazon Route 53
35. Amazon Macie
36. **AWS Direct Connect**
37. AWS PrivateLink
38. Which AWS service is used to provide encryption for Amazon EBS?
39. AWS Certificate Manager
40. AWS Systems Manager
41. **AWS KMS**
42. AWS Config
43. A company wants to manage its AWS Cloud resources through a web interface. Which AWS service will meet this requirement?
44. **AWS Management Console**
45. AWS CLI
46. AWS SDK
47. AWS Cloud9
48. Which of the following are advantages of the AWS Cloud? (Choose two.)
49. Trade variable expenses for capital expenses
50. **High economies of scale**
51. **Launch globally in minutes**
52. Focus on managing hardware infrastructure
53. Overprovision to ensure capacity
54. Which AWS Cloud benefit is shown by an architecture’s ability to withstand failures with minimal downtime?
55. Agility
56. Elasticity
57. Scalability
58. **High availability**
59. A developer needs to maintain a development environment infrastructure and a production environment infrastructure in a repeatable fashion. Which AWS service should the developer use to meet these requirements?
60. AWS Ground Station
61. AWS Shield
62. AWS IoT Device Defender
63. **AWS CloudFormation**
64. Which task is the customer’s responsibility, according to the AWS shared responsibility model?
65. Maintain the security of the AWS Cloud.
66. **Configure firewalls and networks.**
67. Patch the operating system of Amazon RDS instances.
68. Implement physical and environmental controls.
69. Which AWS service helps deliver highly available applications with fast failover for multi-Region and Multi-AZ architectures?
70. AWS WAF
71. **AWS Global Accelerator**
72. AWS Shield
73. AWS Direct Connect
74. A company has a set of ecommerce applications. The applications need to be able to send messages to each other. Which AWS service meets this requirement?
75. AWS Auto Scaling
76. Elastic Load Balancing
77. **Amazon Simple Queue Service (Amazon SQS)**
78. Amazon Kinesis Data Streams
79. What are the benefits of consolidated billing for AWS Cloud services? (Choose two.)
80. **Volume discounts**
81. A minimal additional fee for use
82. **One bill for multiple accounts**
83. Installment payment options
84. Custom cost and usage budget creation
85. A user wants to review all Amazon S3 buckets with ACLs and S3 bucket policies in the S3 console. Which AWS service or resource will meet this requirement?
86. S3 Multi-Region Access Points
87. S3 Storage Lens
88. AWS IAM Identity Center (AWS Single Sign-On)
89. **Access Analyzer for S3**
90. What is the best resource for a user to find compliance-related information and reports about AWS?
91. **AWS Artifact**
92. AWS Marketplace
93. Amazon Inspector
94. AWS Support
95. Which AWS service enables companies to deploy an application close to end users?
96. **Amazon CloudFront**
97. AWS Auto Scaling
98. AWS AppSync
99. Amazon Route 53
100. Which AWS service or feature improves network performance by sending traffic through the AWS worldwide network infrastructure?
101. Route table
102. AWS Transit Gateway
103. **AWS Global Accelerator**
104. Amazon VPC
105. Which AWS service provides highly durable object storage?
106. **Amazon S3**
107. Amazon Elastic File System (Amazon EFS)
108. Amazon Elastic Block Store (Amazon EBS)
109. Amazon FSx
110. Which responsibility belongs to AWS when a company hosts its databases on Amazon EC2 instances?
111. Database backups
112. Database software patches
113. Operating system patches
114. **Operating system installations**
115. Which of the following are advantages of moving to the AWS Cloud? (Choose two.)
116. The ability to turn over the responsibility for all security to AWS.
117. **The ability to use the pay-as-you-go model.**
118. The ability to have full control over the physical infrastructure.
119. **No longer having to guess what capacity will be required.**
120. No longer worrying about users access controls.
121. Which AWS service is a hybrid cloud storage service that provides on-premises users access to virtually unlimited cloud storage?
122. AWS DataSync
123. Amazon S3 Glacier
124. **AWS Storage Gateway**
125. Amazon Elastic Block Store (Amazon EBS)
126. A company plans to migrate to AWS and wants to create cost estimates for its AWS use cases. Which AWS service or tool can the company use to meet these requirements?
127. **AWS Pricing Calculator**
128. Amazon CloudWatch
129. AWS Cost Explorer
130. AWS Budgets
131. Which tool should a developer use to integrate AWS service features directly into an application?
132. **AWS Software Development Kit**
133. AWS CodeDeploy
134. AWS Lambda
135. AWS Batch
136. Which of the following is a recommended design principle of the AWS Well-Architected Framework?
137. Reduce downtime by making infrastructure changes infrequently and in large increments.
138. Invest the time to configure infrastructure manually.
139. **Learn to improve from operational failures.**
140. Use monolithic application design for centralization.
141. Using AWS Identity and Access Management (IAM) to grant access only to the resources needed to perform a task is a concept known as:
142. restricted access.
143. as-needed access.
144. **least privilege access.**
145. token access.
146. Which AWS service or tool can be used to set up a firewall to control traffic going into and coming out of an Amazon VPC subnet?
147. Security group
148. AWS WAF
149. AWS Firewall Manager
150. **Network ACL**
151. A company wants to operate a data warehouse to analyze data without managing the data warehouse infrastructure. Which AWS service will meet this requirement?
152. Amazon Aurora
153. **Amazon Redshift Serverless**
154. AWS Lambda
155. Amazon RDS
156. How does AWS Cloud computing help businesses reduce costs? (Choose two.)
157. AWS charges the same prices for services in every AWS Region.
158. **AWS enables capacity to be adjusted on demand.**
159. AWS offers discounts for Amazon EC2 instances that remain idle for more than 1 week.
160. AWS does not charge for data sent from the AWS Cloud to the internet.
161. **AWS eliminates many of the costs of building and maintaining on-premises data centers.**
162. A company wants to grant users in one AWS account access to resources in another AWS account. The users do not currently have permission to access the resources. Which AWS service will meet this requirement?
163. IAM group
164. **IAM role**
165. IAM tag
166. IAM Access Analyzer
167. Which task is the responsibility of AWS when using AWS services?
168. Management of IAM user permissions
169. Creation of security group rules for outbound access
170. **Maintenance of physical and environmental controls**
171. Application of Amazon EC2 operating system patches
172. A company wants to automate infrastructure deployment by using infrastructure as code (IaC). The company wants to scale production stacks so the stacks can be deployed in multiple AWS Regions. Which AWS service will meet these requirements?
173. Amazon CloudWatch
174. AWS Config
175. AWS Trusted Advisor
176. **AWS CloudFormation**
177. Which option is an AWS Cloud Adoption Framework (AWS CAF) platform perspective capability?
     1. **Data architecture**
     2. Data protection
     3. Data governance
     4. Data science
178. A company is running a workload in the AWS Cloud. Which AWS best practice ensures the MOST cost-effective architecture for the workload?
179. Loose coupling
180. **Rightsizing**
181. Caching
182. Redundancy
183. A company is using a third-party service to back up 10 TB of data to a tape library. The on-premises backup server is running out of space. The company wants to use AWS services for the backups without changing its existing backup workflows. Which AWS service should the company use to meet these requirements?
184. Amazon Elastic Block Store (Amazon EBS)
185. **AWS Storage Gateway**
186. Amazon Elastic Container Service (Amazon ECS)
187. AWS Lambda
188. Which AWS tool gives users the ability to plan their service usage, service costs, and instance reservations, and also allows them to set custom alerts when their costs or usage exceed established thresholds?
189. Cost Explorer
190. **AWS Budgets**
191. AWS Cost and Usage Report
192. Reserved Instance reporting
193. Which tasks are the customer’s responsibility, according to the AWS shared responsibility model? (Choose two.)
194. Establish the global infrastructure.
195. **Perform client-side data encryption.**
196. **Configure IAM credentials.**
197. Secure edge locations.
198. Patch Amazon RDS DB instances.
199. A developer has been hired by a large company and needs AWS credentials. Which are security best practices that should be followed? (Choose two.)
200. **Grant the developer access to only the AWS resources needed to perform the job.**
201. Share the AWS account root user credentials with the developer.
202. Add the developer to the administrator’s group in AWS IAM.
203. Configure a password policy that ensures the developer’s password cannot be changed.
204. **Ensure the account password policy requires a minimum length.**
205. A company has multiple AWS accounts that include compute workloads that cannot be interrupted. The company wants to obtain billing discounts that are based on the company’s use of AWS services. Which AWS feature or purchasing option will meet these requirements?
206. Resource tagging
207. **Consolidated billing**
208. Pay-as-you-go pricing
209. Spot Instances
210. A user wants to allow applications running on an Amazon EC2 instance to make calls to other AWS services. The access granted must be secure. Which AWS service or feature should be used?
211. Security groups
212. AWS Firewall Manager
213. **IAM roles**
214. IAM user SSH keys
215. A company wants a fully managed Windows file server for its Windows-based applications. Which AWS service will meet this requirement?
216. **Amazon FSx**
217. Amazon Elastic Kubernetes Service (Amazon EKS)
218. Amazon Elastic Container Service (Amazon ECS)
219. Amazon EMR
220. A company wants to migrate its NFS on-premises workload to AWS. Which AWS Storage Gateway type should the company use to meet this requirement?
221. Tape Gateway
222. Volume Gateway
223. Amazon FSx File Gateway
224. **Amazon S3 File Gateway**
225. A company needs to track the activity in its AWS accounts, and needs to know when an API call is made against its AWS resources. Which AWS tool or service can be used to meet these requirements?
226. Amazon CloudWatch
227. Amazon Inspector
228. **AWS CloudTrail**
229. AWS IAM
230. A company has an uninterruptible application that runs on Amazon EC2 instances. The application constantly processes a backlog of files in an Amazon Simple Queue Service (Amazon SQS) queue. This usage is expected to continue to grow for years. What is the MOST cost-effective EC2 instance purchasing model to meet these requirements?
231. Spot Instances
232. On-Demand Instances
233. **Savings Plans**
234. Dedicated Hosts
235. A company wants an AWS service to provide product recommendations based on its customer data. Which AWS service will meet this requirement?
236. Amazon Polly
237. **Amazon Personalize**
238. Amazon Comprehend
239. Amazon Rekognition
240. A company is planning its migration to the AWS Cloud. The company is identifying its capability gaps by using the AWS Cloud Adoption Framework (AWS CAF) perspectives. Which phase of the cloud transformation journey includes these identification activities?
241. Envision
242. **Align**
243. Scale
244. Launch
245. A social media company wants to protect its web application from common web exploits such as SQL injections and cross-site scripting. Which AWS service will meet these requirements?
246. Amazon Inspector
247. **AWS WAF**
248. Amazon GuardDuty
249. Amazon CloudWatch
250. Which fully managed AWS service assists with the creation, testing, and management of custom Amazon EC2 images?
251. **EC2 Image Builder**
252. Amazon Machine Image (AMI)
253. AWS Launch Wizard
254. AWS Elastic Beanstalk
255. A company wants an automated process to continuously scan its Amazon EC2 instances for software vulnerabilities. Which AWS service will meet these requirements?
256. Amazon GuardDuty
257. **Amazon Inspector**
258. Amazon Detective
259. Amazon Cognito
260. A company needs to perform data processing once a week that typically takes about 5 hours to complete. Which AWS service should the company use for this workload?
261. AWS Lambda
262. **Amazon EC2**
263. AWS CodeDeploy
264. AWS Wavelength
265. Which AWS service or feature provides log information of the inbound and outbound traffic on network interfaces in a VPC?
266. Amazon CloudWatch Logs
267. AWS CloudTrail
268. **VPC Flow Logs**
269. AWS Identity and Access Management (IAM)
270. A company wants to design a centralized storage system to manage the configuration data and passwords for its critical business applications. Which AWS service or capability will meet these requirements MOST cost-effectively?
271. **AWS Systems Manager Parameter Store**
272. AWS Secrets Manager
273. AWS Config
274. Amazon S3
275. A company plans to deploy containers on AWS. The company wants full control of the compute resources that host the containers. Which AWS service will meet these requirements?
276. Amazon Elastic Kubernetes Service (Amazon EKS)
277. AWS Fargate
278. **Amazon EC2**
279. Amazon Elastic Container Service (Amazon ECS)
280. Which AWS service or feature allows users to create new AWS accounts, group multiple accounts to organize workflows, and apply policies to groups of accounts?
281. AWS Identity and Access Management (IAM)
282. AWS Trusted Advisor
283. AWS CloudFormation
284. **AWS Organizations**
285. A company wants to store and retrieve files in Amazon S3 for its existing on-premises applications by using industry-standard file system protocols. Which AWS service will meet these requirements?
286. AWS DataSync
287. AWS Snowball Edge
288. **Amazon S3 File Gateway**
289. AWS Transfer Family
290. A company wants to block SQL injection attacks. Which AWS service or feature should the company use to meet this requirement?
291. **AWS WAF**
292. Network ACLs
293. Security groups
294. AWS Certificate Manager (ACM)
295. A company wants a unified tool to provide a consistent method to interact with AWS services. Which AWS service or tool will meet this requirement?
296. **AWS CLI**
297. Amazon Elastic Container Service (Amazon ECS)
298. AWS Cloud9
299. AWS Virtual Private Network (AWS VPN)
300. A company needs to evaluate its AWS environment and provide best practice recommendations in five categories: cost, performance, service limits, fault tolerance and security. Which AWS service can the company use to meet these requirements?
301. AWS Shield
302. AWS WAF
303. **AWS Trusted Advisor**
304. AWS Service Catalog
305. Which perspective in the AWS Cloud Adoption Framework (AWS CAF) includes capabilities for configuration management and patch management?
306. Platform
307. **Operations**
308. Security
309. Governance
310. A company has a compute workload that is steady, predictable, and uninterruptible. Which Amazon EC2 instance purchasing options meet these requirements MOST cost-effectively? (Choose two.)
311. On-Demand Instances
312. **Reserved Instances**
313. Spot Instances
314. **Saving Plans**
315. Dedicated Hosts
316. Which Amazon EC2 pricing model is the MOST cost efficient for an uninterruptible workload that runs once a year for 24 hours?
317. **On-Demand Instances**
318. Reserved Instances
319. Spot Instances
320. Dedicated Instances
321. Which option is a shared responsibility between AWS and its customers under the AWS shared responsibility model?
322. Configuration of Amazon EC2 instance operating systems
323. Application file system server-side encryption
324. **Patch management**
325. Security of the physical infrastructure

### Set 3

1. A company wants to migrate its on-premises workloads to the AWS Cloud. The company wants to separate workloads for chargeback to different departments. Which AWS services or features will meet these requirements? (Choose two.)
2. Placement groups
3. **Consolidated billing**
4. Edge locations
5. AWS Config
6. **Multiple AWS accounts**
7. Which task is a responsibility of AWS, according to the AWS shared responsibility model?
8. Enable client-side encryption for objects that are stored in Amazon S3.
9. Configure IAM security policies to comply with the principle of least privilege.
10. Patch the guest operating system on an Amazon EC2 instance.
11. **Apply updates to the Nitro Hypervisor.**
12. Which option is a benefit of using AWS for cloud computing?
13. Trade variable expense for fixed expense
14. **Pay-as-you-go pricing**
15. Decreased speed and agility
16. Spending money running and maintaining data centers
17. Which option is an AWS Cloud Adoption Framework (AWS CAF) business perspective capability?
18. Culture evolution
19. Event management
20. **Data monetization**
21. Platform architecture
22. A company is assessing its AWS Business Support plan to determine if the plan still meets the company’s needs. The company is considering switching to AWS Enterprise Support. Which additional benefit will the company receive with AWS Enterprise Support?
23. A full set of AWS Trusted Advisor checks
24. Phone, email, and chat access to cloud support engineers 24 hours a day, 7 days a week
25. **A designated technical account manager (TAM) to assist in monitoring and optimization**
26. A consultative review and architecture guidance for the company’s applications
27. Which pricing model will interrupt a running Amazon EC2 instance if capacity becomes temporarily unavailable?
28. On-Demand Instances
29. Standard Reserved Instances
30. **Spot Instances**
31. Convertible Reserved Instances
32. Which options are AWS Cloud Adoption Framework (AWS CAF) security perspective capabilities? (Choose two.)
33. Observability
34. Incident and problem management
35. **Incident response**
36. **Infrastructure protection**
37. Availability and continuity
38. A company wants to run its workload on Amazon EC2 instances for more than 1 year. This workload will run continuously. Which option offers a discounted hourly rate compared to the hourly rate of On-Demand Instances?
39. AWS Graviton processor
40. Dedicated Hosts
41. **EC2 Instance Savings Plans**
42. Amazon EC2 Auto Scaling instances
43. Which characteristic of the AWS Cloud helps users eliminate underutilized CPU capacity?
44. Agility
45. **Elasticity**
46. Reliability
47. Durability
48. Which AWS services can a company use to achieve a loosely coupled architecture? (Choose two.)
49. Amazon WorkSpaces
50. **Amazon Simple Queue Service (Amazon SQS)**
51. Amazon Connect
52. **AWS Trusted Advisor**
53. AWS Step Functions
54. Which AWS Cloud service can send alerts to customers if custom spending thresholds are exceeded?
55. **AWS Budgets**
56. AWS Cost Explorer
57. AWS Cost Allocation Tags
58. AWS Organizations
59. A company plans to migrate to the AWS Cloud. The company wants to use the AWS Cloud Adoption Framework (AWS CAF) to define and track business outcomes as part of its cloud transformation journey. Which AWS CAF governance perspective capability will meet these requirements?
60. **Benefits management**
61. Risk management
62. Application portfolio management
63. Cloud financial management
64. A company needs to quickly and securely move files over long distances between its client and an Amazon S3 bucket. Which S3 feature will meet this requirement?
65. S3 Versioning
66. **S3 Transfer Acceleration**
67. S3ACLs
68. S3 Intelligent-Tiering
69. A company needs to continuously run an experimental workload on an Amazon EC2 instance and stop the instance after 12 hours. Which instance purchasing option will meet this requirement MOST cost-effectively?
70. On-Demand Instances
71. Reserved Instances
72. **Spot Instances**
73. Dedicated Instances
74. Which cloud transformation journey phase of the AWS Cloud Adoption Framework (AWS CAF) focuses on demonstrating how the cloud helps accelerate business outcomes?
75. Scale
76. **Envision**
77. Align
78. Launch
79. Which option is a customer responsibility under the AWS shared responsibility model?
80. Maintenance of underlying hardware of Amazon EC2 instances
81. **Application data security**
82. Physical security of data centers
83. Maintenance of VPC components
84. A company wants its Amazon EC2 instances to operate in a highly available environment, even if there is a natural disaster in a particular geographic area. Which approach will achieve this goal?
85. **Use EC2 instances in multiple AWS Regions.**
86. Use EC2 instances in multiple Amazon CloudFront locations.
87. Use EC2 instances in multiple edge locations.
88. Use EC2 instances in AWS Local Zones.
89. A company wants to modernize and convert a monolithic application into microservices. The company wants to move the application to AWS. Which migration strategy should the company use?
90. Rehost
91. Replatform
92. Repurchase
93. **Refactor**
94. A systems administrator created a new IAM user for a developer and assigned the user an access key instead of a user name and password. What is the access key used for?
95. To access the AWS account as the AWS account root user
96. To access the AWS account through the AWS Management Console
97. **To access the AWS account through a CLI**
98. To access all of a company’s AWS accounts
99. Which option is an environment that consists of one or more data centers?
100. Amazon CloudFront
101. **Availability Zone**
102. VPC
103. AWS Outposts

# Udemy

## Neal Davis

### Set 1

1. A company needs to publish messages to a thousands of subscribers simultaneously using a push mechanism. Which AWS service should the company use?
2. AWS Step Functions
3. Amazon Simple Workflow Service (SWF)
4. Amazon Simple Queue Service (Amazon SQS)
5. **Amazon Simple Notification Service (Amazon SNS)**
6. 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?
7. AWS Command Line Interface (CLI)
8. AWS CodePipeline
9. AWS CodeDeploy
10. **AWS Software Development Kit**
11. 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?
12. AWS Artifact
13. **AWS Partner Solutions**
14. AWS CloudFormation
15. AWS Config
16. A company has multiple AWS accounts and is using AWS Organizations with consolidated billing. Which advantages will they benefit from? (Select TWO.)
17. **They will receive one bill for the accounts in the Organization.**
18. The default service limits in all accounts will be increased.
19. **They may benefit from lower unit pricing for aggregated usage.**
20. They will receive a fixed discount for all usage across accounts.
21. They will be automatically enrolled in a business support plan.
22. 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?
23. **Run the batch workload in parallel across multiple Amazon EC2 instances.**
24. Run the application on a bare metal Amazon EC2 instance.
25. Change the Amazon EC2 volume type to a Provisioned IOPS SSD volume.
26. Run the batch job on a larger Amazon EC2 instance type with more CPU.
27. 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?
28. AWS Organizations
29. AWS Budgets
30. **AWS Cost Explorer**
31. Amazon Inspector
32. A company is deploying an application in the AWS Cloud. How can they secure the application? (Select TWO.)
33. Enable monitoring by turning off encryption for data in transit.
34. Provide full admin access to developer and operations staff.
35. Configure public access for the AWS services used by the application.
36. **Limit access privileges according to the principal of least privilege.**
37. **Enable encryption for the application data at rest.**
38. According to the AWS shared responsibility model, which of the following is a responsibility of AWS?
39. Updating security group rules to enable connectivity.
40. Configuring network ACLs to block malicious attacks.
41. **Updating the firmware on the underlying EC2 hosts.**
42. Patching software running on Amazon EC2 instances.
43. Which of the following is a sole responsibility of AWS?
44. Patch management
45. Application deployment
46. **Availability Zone management**
47. Customer data access controls
48. 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?
49. Configure an Elastic Load Balancer in front of the EC2 instance.
50. Set the DeleteOnTermination value to false for the EBS root volume.
51. **Migrate the database to Amazon RDS and enable the Multi-AZ feature.**
52. Configure EC2 Auto Recovery to move the instance to another Region.
53. When running applications in the AWS Cloud which common tasks can AWS manage on behalf of their customers? (Select TWO.)
54. Application security testing
55. **Taking a backup of a database**
56. Creating a database schema
57. **Patching database software**
58. Application source code auditing
59. Which of the following deployments involves the reliability pillar of the AWS Well-Architected Framework?
60. Amazon EBS provisioned IOPS volume
61. Attach a WebACL to a CloudFront distribution
62. **Amazon RDS Multi-AZ deployment**
63. Use CloudFormation to deploy infrastructure
64. 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?
65. AWS Glue
66. AWS Redshift
67. **AWS Data Exchange**
68. AWS Data Pipeline
69. 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?
70. **Create an Amazon EC2 Auto Scaling group and configure an Elastic Load Balancer.**
71. Use the AWS CLI to launch and terminate Amazon EC2 instances to match demand.
72. Launch the website using an Amazon EC2 instance running on a dedicated host.
73. Determine the highest expected traffic and use an appropriate instance type.
74. Which benefits can a company gain by deploying a relational database on Amazon RDS instead of Amazon EC2? (Select TWO.)
75. Root access to OS
76. Indexing of tables
77. **Automated backups**
78. Schema management
79. **Software patching**
80. 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?
81. AWS Lambda
82. **Amazon OpenSearch Service**
83. Amazon SQS
84. Amazon EC2
85. Which AWS services can a company use to gather information about activity in their AWS account? (Select TWO.)
86. **Amazon CloudWatch**
87. Amazon Connect
88. Amazon CloudFront
89. **AWS CloudTrail**
90. AWS Trusted Advisor
91. An Amazon Virtual Private Cloud (VPC) can include multiple:
92. Internet gateways.
93. AWS Regions.
94. Edge locations.
95. **Availability Zones.**
96. 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?
97. Amazon DynamoDB
98. Amazon RDS
99. Amazon S3
100. **Amazon EC2**
101. For what purpose would a Cloud Practitioner access AWS Artifact?
102. **Gain access to AWS security and compliance documents.**
103. Access training materials for AWS services.
104. Download configuration details for all AWS resources.
105. Create a security assessment report for AWS services.
106. 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?
107. Regional Reserved Instances
108. Standard Reserved Instances
109. Zonal Reserved Instances
110. **Convertible Reserved Instances**
111. Which of the following can an AWS customer use to launch a new ElastiCache cluster? (Select TWO.)
112. AWS Data Pipeline
113. AWS Systems Manager
114. **AWS Management Console**
115. AWS Concierge
116. **AWS CloudFormation**
117. Which of the following will help a user determine if they need to request an Amazon EC2 service limit increase?
118. **AWS Trusted Advisor**
119. Amazon RDS
120. AWS Cost Explorer
121. AWS Health Dashboard
122. Which of the following represents a value proposition for using the AWS Cloud?
123. Customers can request specialized hardware.
124. AWS provides full access to their data centers.
125. **It is not necessary to enter into long term contracts.**
126. AWS is responsible for securing your applications.
127. Which tasks require the use of the AWS account root user? (Select TWO.)
128. Changing payment currency.
129. **Changing AWS Support plans.**
130. Viewing AWS CloudTrail logs.
131. Enabling encryption for S3.
132. **Changing the account name.**
133. A company plans to deploy a relational database on AWS. The IT department will perform database administration. Which service should the company use?
134. **Amazon EC2**
135. Amazon RedShift
136. Amazon DynamoDB
137. Amazon ElastiCache
138. 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?
139. Amazon Workspaces
140. AWS Direct Connect
141. **AWS Outposts**
142. Amazon Connect
143. What can a Cloud Practitioner use to categorize and track AWS costs by project?
144. Multiple accounts
145. Consolidated billing
146. AWS Trusted Advisor
147. **Cost Allocation Tags**
148. Which AWS service can a company use to discover and protect sensitive data that is stored in Amazon S3 buckets.
149. **Amazon Macie**
150. Amazon GuardDuty
151. Amazon Detective
152. AWS Policy Generator
153. Which AWS service or feature can assist with protecting a website that is hosted outside of AWS?
154. Amazon VPC route tables
155. Amazon EC2 security groups
156. Amazon VPC network ACLs
157. **AWS Web Application Firewall (WAF)**
158. What is one method of protecting against distributed denial of service (DDoS) attacks in the AWS Cloud?
159. **Configure a firewall in front of resources.**
160. Use Amazon CloudWatch monitoring.
161. Enable AWS CloudTrail logging.
162. Monitor the AWS Health Dashboard.
163. Which task can a user complete using the AWS Cost Management tools?
164. Launch either EC2 Spot instances or On-Demand instances based on the current pricing.
165. **Create budgets and receive notifications if current or forecasted usage exceeds the budgets.**
166. Move data stored in Amazon S3 Standard to an archiving storage class to reduce cost.
167. Delete all of your AWS resources with a single click.
168. 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?
169. **Amazon MSK**
170. Amazon Redshift
171. Amazon Kinesis
172. Amazon SQS
173. AWS are able to continually reduce their pricing due to:
174. Compute savings plans.
175. Elastic compute services.
176. **Economies of scale.**
177. Pay-as-you go pricing.
178. Which of the following are valid benefits of using the AWS Cloud? (Select TWO.)
179. Outsource all application development to AWS.
180. Outsource all operational risk.
181. Total control over data center infrastructure.
182. **Ability to go global quickly.**
183. **Fast provisioning of IT resources.**
184. 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?
185. Resource
186. Condition
187. Action
188. **Principal**
189. Which of the following AWS services are compute services? (Select TWO.)
190. AWS CloudTrail
191. Amazon EFS
192. **AWS Elastic Beanstalk**
193. Amazon Inspector
194. **AWS Batch**
195. 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?
196. Use AWS Lambda to host the legacy applications in the cloud.
197. Migrate the applications to dedicated hosts on Amazon EC2.
198. **Rehost the applications on Amazon EC2 instances that are right-sized.**
199. Use an Amazon S3 static website to host the legacy application code.
200. A company has many underutilized compute resources on-premises. Which AWS Cloud feature will help resolve this issue?
201. Fault tolerance
202. Global deployment
203. High availability
204. **Elasticity**
205. 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?
206. Launch the instances as EC2 Reserved Instances in the same AWS Region, but in different Availability Zones.
207. Launch the instances as EC2 Spot Instances in the same AWS Region and the same Availability Zone.
208. **Launch the instances across multiple Availability Zones in a single AWS Region.**
209. Launch the instances in multiple AWS Regions, and use Elastic IP addresses.
210. 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.)
211. **AWS Global Accelerator**
212. AWS Transit Gateway
213. AWS Direct Connect
214. **Amazon CloudFront**
215. AWS Snowcone
216. Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Select TWO.)
217. **Loose coupling**
218. Minimum viable product
219. Minimize platform design
220. **Remove single points of failure**
221. Customized hardware
222. What is the best practice for managing AWS IAM access keys?
223. AWS rotate access keys on a schedule.
224. There is no need to manage access keys.
225. Never use access keys, always use IAM roles.
226. **Customers should rotate access keys regularly.**
227. 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?
228. Amazon ElastiCache
229. **Amazon CloudFront**
230. AWS Direct Connect
231. Amazon EC2 Auto Scaling
232. Which AWS feature can be used to launch a pre-configured Amazon Elastic Compute Cloud (EC2) instance?
233. Amazon EC2 Systems Manager
234. Amazon AppStream 2.0
235. **Amazon Machine Image (AMI)**
236. Amazon Elastic Block Store (EBS)
237. Which of the following AWS features or services can be used to provide root storage volumes for Amazon EC2 instances?
238. **Amazon Elastic Block Store (EBS)**
239. Amazon Elastic File System (EFS)
240. Amazon Simple Storage Service (S3)
241. Amazon Machine Image
242. 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.)
243. Create static operational procedures.
244. Perform manual operations.
245. **Anticipate failure.**
246. **Perform operations as code.**
247. Make large-scale changes.
248. Which type of credential should a Cloud Practitioner use for programmatic access to AWS resources from the AWS CLI/API?
249. User name and password
250. SSH public keys
251. **Access keys**
252. SSL/TLS certificate
253. Which AWS service can a team use to deploy infrastructure on AWS using familiar programming languages?
254. AWS Config
255. AWS CodeCommit
256. Amazon CodeGuru
257. **AWS Cloud Development Kit (AWS CDK)**
258. 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?
259. **AWS Step Functions**
260. AWS Lambda
261. Amazon SQS
262. Amazon SNS
263. Which of the following statements best describes the concept of agility in relation to cloud computing on AWS? (Select TWO.)
264. **The speed at which AWS resources can be created.**
265. The ability to automatically scale capacity.
266. The elimination of wasted capacity.
267. **The ability to experiment quickly.**
268. The speed at which AWS rolls out new features.
269. Which AWS Cloud service provides recommendations on how to optimize performance for AWS services?
270. AWS CloudTrail
271. Amazon CloudWatch
272. **AWS Trusted Advisor**
273. Amazon Inspector
274. 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?
275. **Dedicated Hosts**
276. Reserved Instances
277. Dedicated Instances
278. Spot Instances
279. 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?
280. Add additional Amazon VPCs and launch each application in a separate VPC.
281. **Create tags by department on the instances and then run a cost allocation report.**
282. Enable billing alerts through Amazon CloudWatch and Amazon SNS.
283. Enable billing access for IAM users and view the costs in Cost Explorer.
284. A Cloud Practitioner needs to monitor a new Amazon EC2 instances CPU and network utilization. Which AWS service should be used?
285. Amazon Inspector
286. AWS CloudTrail
287. AWS Systems Manager
288. **Amazon CloudWatch**
289. How does the AWS cloud increase the speed and agility of execution for customers? (Select TWO.)
290. **Scalable compute capacity**
291. Secured data centers
292. Private connections to data centers
293. **Fast provisioning of resources**
294. Lower cost of deployment
295. Which AWS service provides a managed software version control system?
296. AWS CodePipeline
297. Amazon CodeDeploy
298. AWS DataSync
299. **AWS CodeCommit**
300. 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?
301. Amazon DocumentDB
302. **Amazon Aurora**
303. Amazon DynamoDB
304. Amazon Athena
305. What are AWS Identity and Access Management (IAM) access keys used for?
306. Logging in to the AWS Management Console.
307. Ensuring the integrity of log files.
308. **Making programmatic calls to AWS from AWS APIs.**
309. Enabling encryption in transit for web servers.
310. 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?
311. **Configure a scheduled scaling policy.**
312. Configure predictive scaling.
313. Configure a target tracking scaling policy.
314. Configure a step scaling policy.
315. 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?
316. **Implement loosely coupled services.**
317. Stop spending money on undifferentiated heavy lifting.
318. Use multiple solutions to improve performance.
319. Manage change in automation.
320. Customers using AWS services must patch operating systems on which of the following services?
321. **Amazon EC2**
322. Amazon DynamoDB
323. AWS Lambda
324. AWS Fargate
325. A company must provide access to AWS resources for their employees. Which security practices should they follow? (Select TWO.)
326. Disable password policies and management console access.
327. **Enable multi-factor authentication for users.**
328. **Create IAM policies based on least privilege principles.**
329. Create IAM Roles and apply them to IAM groups.
330. Create IAM users in different AWS Regions.
331. A user needs to identify underutilized Amazon EC2 instances to reduce costs.

Which AWS service or feature will meet this requirement?

1. **AWS Trusted Advisor**
2. AWS CodeBuild
3. AWS Cost Explorer
4. AWS Health Dashboard
5. How much data can a company store in the Amazon S3 service?
6. 100 PB
7. 100 TB
8. **Virtually unlimited**
9. 1 PB

### Set 2

1. Which AWS service is used to send both text and email messages from distributed applications?
2. **Amazon Simple Notiﬁcation Service (Amazon SNS)**
3. Amazon Simple Queue Service (Amazon SQS)
4. Amazon Simple Email Service (Amazon SES)
5. Amazon Simple Workflow Service (Amazon SWF)
6. Which Amazon EC2 tool acts as a virtual firewall to control inbound and outbound traffic to an EC2 instance?
7. Network access control list (ACL)
8. AWS WAF
9. AWS Shield
10. **Security group**
11. How can an organization take advantage of tiered pricing across multiple business units within an organization?
12. **AWS Organizations consolidated billing.**
13. Cost Explorer utilization reports.
14. All Upfront Reserved Instances.
15. AWS Organizations service control policies (SCPs).
16. Which cloud architecture design principle is supported by deploying workloads across multiple Availability Zones?
17. Automate infrastructure.
18. Enable elasticity.
19. **Design for failure.**
20. Design for agility.
21. According to the shared responsibility mode, which security and compliance task is AWS responsible for?
22. Encrypting data at rest
23. Granting permissions to users and services
24. Updating operating systems
25. **Updating Amazon EC2 host firmware**
26. 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?
27. **Amazon Inspector**
28. AWS Conﬁg
29. EC2 security groups
30. Amazon Macie
31. Which Amazon EC2 pricing model should be avoided if a workload cannot accept interruption if capacity becomes temporarily unavailable?
32. Convertible Reserved Instances
33. Standard Reserved Instances
34. On-Demand Instances
35. **Spot Instances**
36. 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?
37. AWS Educate
38. **AWS Activate for Startups**
39. AWS Partner Network
40. AWS Marketplace
41. What can a Cloud Practitioner use the AWS Total Cost of Ownership (TCO) Calculator for?
42. Estimate a monthly bill for the AWS Cloud resources that will be used
43. Generate reports that break down AWS Cloud compute costs by duration, resource, or tags
44. **Estimate savings when comparing the AWS Cloud to an on-premises environment**
45. Enable billing alerts to monitor actual AWS costs compared to estimated costs
46. Which on-premises costs must be included in a Total Cost of Ownership (TCO) calculation when comparing against the AWS Cloud? (Select TWO.)
47. Project management services
48. Database schema development
49. Operating system administration
50. **Network infrastructure in the data center**
51. **Physical compute hardware**
52. 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?
53. **Amazon QuickSight**
54. Amazon Athena
55. Amazon Redshift
56. Amazon Kinesis
57. According to the shared responsibility model, which security-related task is the responsibility of the customer?
58. Securing servers and racks at AWS data centers.
59. Maintaining physical networking configuration.
60. Maintaining firewall configurations at a hardware level.
61. **Maintaining server-side encryption.**
62. Which of the following is an advantage for a company running workloads in the AWS Cloud vs on-premises? (Select TWO.)
63. Higher acquisition costs to support elastic workloads.
64. **Increased productivity for application development teams.**
65. **Less staff time is required to launch new workloads.**
66. Increased time to market for new application features.
67. Lower overall utilization of server and storage systems.
68. Which AWS service is a fully-managed source control service that hosts secure Git-based repositories?
69. **AWS CodeCommit**
70. AWS CodeDeploy
71. AWS CodePipeline
72. AWS CodeBuild
73. AWS are able to continue to reduce their pricing due to:
74. The AWS global infrastructure
75. **Economies of scale**
76. Reserved instance pricing
77. Pay-as-you go pricing
78. Which of the following best describes an Availability Zone in the AWS Cloud?
79. A completely isolated geographic location
80. A subnet for deploying resources into
81. **One or more physical data centers**
82. One or more edge locations based around the world
83. Which of the following statements are security principles within the AWS Well-Architected Framework? (Select TWO.)
84. **Protect data in transit and at rest.**
85. Perform operations as code.
86. Deploy globally in minutes.
87. Analyze and attribute expenditures.
88. **Monitor, alert, and audit actions and changes to AWS resources.**
89. Which benefit of AWS enables companies to replace upfront fixed expenses with variable expenses when using on-demand technology services?
90. **Pay-as-you-go pricing**
91. Global reach
92. Economies of scale
93. High availability
94. How can an organization gain access to compliance reports natively through the AWS console?
95. AWS Identity and Access Management (IAM)
96. AWS Security Hub
97. **AWS Artifact**
98. AWS Certificate Manager (ACM)
99. Which of the following can be used to identify a specific user who terminated an Amazon RDS DB instance?
100. **AWS CloudTrail**
101. Amazon CloudWatch
102. AWS Trusted Advisor
103. Amazon Inspector
104. Which AWS service helps customers meet corporate, contractual, and regulatory compliance requirements for data security by using dedicated hardware appliances within the AWS Cloud?
105. **AWS CloudHSM**
106. AWS Directory Service
107. AWS Secrets Manager
108. AWS Key Management Service (AWS KMS)
109. 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?
110. Platform as a Service (PaaS)
111. **Infrastructure as a Service (IaaS)**
112. Function as a Service (FaaS)
113. Software as a Service (SaaS)
114. How should an organization deploy an application running on multiple EC2 instances to ensure that a power failure does not cause an application outage?
115. Launch the EC2 instances into different VPCs
116. Launch the EC2 instances in separate regions
117. **Launch the EC2 instances into different Availability Zones**
118. Launch the EC2 instances into Edge Locations
119. According to the AWS Shared responsibility model, which two tasks are the responsibility of AWS? (Select TWO.)
120. **Provide physical security for Availability Zones.**
121. **Patch the operating system of Amazon S3.**
122. Manage customer data.
123. Encrypt client-side data and authenticate data integrity.
124. Perform identity and access management.
125. Which AWS hybrid storage service enables a user’s on-premises applications to seamlessly use AWS Cloud storage?
126. AWS Backup
127. **AWS Storage Gateway**
128. AWS Direct Connect
129. Amazon Connect
130. 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?
131. Availability Zones
132. **AWS Organizations**
133. AWS Regions
134. AWS Global Infrastructure
135. Which AWS service can be used to run Docker containers?
136. **Amazon ECS**
137. AWS Lambda
138. Amazon ECR
139. Amazon AMI
140. Which benefits can a company immediately realize using the AWS Cloud? (Select TWO.)
141. **Increased agility**
142. **Capital expenses are replaced with variable expenses**
143. No responsibility for security
144. User control of physical infrastructure
145. Variable expenses are replaced with capital expenses
146. 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?
147. **Amazon DynamoDB**
148. Amazon Quantum Ledger Database (Amazon QLDB)
149. Amazon Redshift
150. Amazon RDS for MySQL
151. Which of the statements below is correct in relation to Consolidated Billing? (Select TWO.)
152. You receive one bill per AWS account
153. **You receive a single bill for multiple accounts**
154. **You can combine usage and share volume pricing discounts**
155. You are charged a fee per user
156. You pay a fee per linked account
157. 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?
158. AWS Partner Network (APN)
159. **AWS Trust & Safety team**
160. AWS Professional Services
161. AWS Technical Account Manager (TAM)
162. Which of the following are valid best practices for using the AWS Identity and Access Management (IAM) service? (Select TWO.)
163. **Create individual IAM users.**
164. Grant maximum privileges to IAM users.
165. **Use groups to assign permissions to IAM users.**
166. Use inline policies instead of customer managed policies.
167. Embed access keys in application code.
168. 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?
169. AWS Service Health Dashboard
170. AWS Trusted Advisor dashboard
171. Amazon CloudWatch dashboard
172. **AWS Personal Health Dashboard**
173. What is the function of Amazon EC2 Auto Scaling?
174. Scales the size of EC2 instances up or down automatically, based on demand.
175. Automatically updates the EC2 pricing model, based on demand.
176. **Scales the number of EC2 instances in or out automatically, based on demand.**
177. Automatically modifies the network throughput of EC2 instances, based on demand.
178. 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?
179. AWS Storage Gateway
180. **AWS Snowball**
181. Amazon S3 Glacier
182. AWS DataSync
183. Which AWS service does AWS Snowball Edge natively support?
184. AWS Server Migration Service (AWS SMS)
185. **Amazon EC2**
186. AWS Database Migration Service (AWS DMS)
187. AWS Trusted Advisor
188. Which technology can automatically adjust compute capacity as demand for an application increases or decreases?
189. Load balancing
190. High availability
191. **Auto Scaling**
192. Fault tolerance
193. A Cloud Practitioner requires a simple method to identify if unrestricted access to resources has been allowed by security groups. Which service can the Cloud Practitioner use?
194. VPC Flow Logs
195. **AWS Trusted Advisor**
196. AWS CloudTrail
197. Amazon CloudWatch
198. 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?
199. Network access control list (ACL)
200. **AWS Shield**
201. Security group
202. Amazon GuardDuty
203. 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.)
204. AWS Direct Connect
205. **AWS Global Accelerator**
206. Amazon VPC
207. Application Auto Scaling
208. **Amazon CloudFront**
209. Which AWS service or feature allows a company to receive a single monthly AWS bill when using multiple AWS accounts?
210. **Consolidated billing**
211. AWS Cost Explorer
212. AWS Cost and Usage report
213. Amazon Cloud Directory
214. 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?
215. **Agility**
216. Cost effectiveness
217. Fault tolerance
218. Elasticity
219. Which service can a Cloud Practitioner use to configure custom cost and usage limits and enable alerts for when defined thresholds are exceeded?
220. Cost Explorer
221. Consolidated billing
222. AWS Trusted Advisor
223. **AWS Budgets**
224. A Cloud Practitioner is re-architecting a monolithic application. Which design principles for cloud architecture do AWS recommend? (Select TWO.)
225. **Implement loose coupling.**
226. Use self-managed servers.
227. Rely on individual components.
228. Implement manual scalability.
229. **Design for scalability.**
230. Which AWS-managed service can be used to process vast amounts of data using a hosted Hadoop framework?
231. Amazon Athena
232. Amazon DynamoDB
233. Amazon Redshift
234. **Amazon EMR**
235. Which AWS service should a Cloud Practitioner use to automate conﬁguration management using Puppet?
236. AWS Conﬁg
237. **AWS OpsWorks**
238. AWS Systems Manager
239. AWS CloudFormation
240. 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?
241. AWS Support
242. AWS Training and Certification
243. AWS Marketplace
244. **AWS IQ**
245. Which AWS service should a Cloud Practitioner use to establish a secure network connection between an on-premises network and AWS?
246. AWS Mobile Hub
247. AWS Web Application Firewall (WAF)
248. **Virtual Private Network**
249. Amazon Virtual Private Cloud (VPC)
250. Amazon S3 is typically used for which of the following use cases? (Select TWO.)
251. **Media hosting**
252. **Host a static website**
253. Message queue
254. In-memory data cache
255. Install an operating system
256. 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?
257. **Amazon Elastic Compute Cloud (Amazon EC2)**
258. Amazon Simple Email Service (Amazon SES)
259. Amazon Simple Queue Service (Amazon SQS)
260. Amazon Simple Notification Service (Amazon SNS)
261. 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?
262. Amazon EC2
263. **Amazon LightSail**
264. AWS Elastic Beanstalk
265. AWS CloudFormation
266. What should a Cloud Practitioner ensure when designing a highly available architecture on AWS?
267. A single monolithic application component handles all operations.
268. There are enough servers to run at peak load available at all times.
269. Servers have low-latency and high throughput network connectivity.
270. **The failure of a single component should not affect the application.**
271. Which AWS service can be used to perform data extract, transform, and load (ETL) operations so you can prepare data for analytics?
272. Amazon S3 Select
273. Amazon QuickSight
274. Amazon Athena
275. **AWS Glue**
276. Which of the following should be used to improve the security of access to the AWS Management Console? (Select TWO.)
277. **Strong password policies**
278. AWS Certiﬁcate Manager
279. Security group rules
280. **AWS Multi-Factor Authentication (AWS MFA)**
281. AWS Secrets Manager
282. A Cloud Practitioner wants to configure the AWS CLI for programmatic access to AWS services. Which credential components are required? (Select TWO.)
283. **An access key ID**
284. **A secret access key**
285. A private key
286. A public key
287. An IAM Role
288. A company needs a consistent and dedicated connection between AWS resources and an on premise system. Which AWS service can fulﬁl this requirement?
289. **AWS Direct Connect**
290. AWS DataSync
291. Amazon Connect
292. AWS Managed VPN
293. A corporation with multiple departments each having their own AWS accounts wants to implement a solution to customize billing data to match their specific show back 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?
294. AWS Billing and Cost Management
295. AWS Budgets
296. AWS Cost Explorer
297. **AWS Billing Conductor**
298. According to the AWS shared responsibility model, which task is the customer's responsibility?
299. **Updating the guest operating system on Amazon EC2 instances.**
300. Maintaining the infrastructure needed to run Amazon DynamoDB.
301. Maintaining Amazon API Gateway infrastructure.
302. Updating the operating system of AWS Lambda instances.
303. 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?

1. AWS License Manager
2. AWS Resource Access Manager
3. AWS Managed Services
4. **AWS Marketplace**
5. 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.)
6. **AWS can accommodate large changes in application demand.**
7. AWS takes care of application security patching.
8. AWS automatically replicates all data globally.
9. AWS will fully manage the entire application.
10. **AWS makes it easy to implement high availability.**
11. Which of the following tasks can a user perform to optimize Amazon EC2 costs? (Select TWO.)
12. Create a policy to restrict IAM users from accessing the Amazon EC2 console.
13. **Purchase Amazon EC2 Reserved Instances.**
14. Set a budget to limit spending on Amazon EC2 instances using AWS Budgets.
15. **Implement Auto Scaling groups to add and remove instances based on demand.**
16. Create users in a single Region to reduce the spread of EC2 instances globally.
17. 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?
18. AWS Systems Manager
19. **AWS IAM role**
20. AWS IAM access key
21. Amazon Connect
22. Which AWS services offer compute capabilities? (Select TWO.)
23. **AWS Lambda**
24. **Amazon ECS**
25. Amazon CloudHSM
26. Amazon DynamoDB
27. Amazon EFS
28. Which AWS service can be used to load data from Amazon S3, transform it, and move it to another destination?
29. Amazon EMR
30. Amazon RedShift
31. Amazon Kinesis
32. **AWS Glue**
33. An application has highly dynamic usage patterns. Which characteristics of the AWS Cloud make it cost-effective for this type of workload? (Select TWO.)
34. Strict security
35. High availability
36. **Elasticity**
37. **Pay-as-you-go pricing**
38. Reliability

### Set 3

1. Which AWS service or VPC component allows inbound traffic from the internet to access a VPC?
2. Virtual Private Gateway
3. VPC Route Table
4. **Internet gateway**
5. NAT Gateway
6. 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?
7. **Cost of application software licenses.**
8. Cost of the hardware infrastructure on AWS.
9. Cost of power for the AWS servers.
10. Cost of physical security for the AWS data center.
11. 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?
12. AWS VPN
13. Amazon CloudFront
14. Amazon Connect
15. **AWS Direct Connect**
16. Which IAM entity can be used for assigning permissions to multiple users?
17. **IAM Group**
18. IAM Role
19. IAM User
20. IAM password policy
21. 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?
22. **Amazon MemoryDB**
23. Amazon DynamoDB
24. Amazon Redshift
25. Amazon RDS
26. 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?
27. Use AWS CloudFormation to deploy the infrastructure.
28. Use multiple AWS accounts and consolidated billing.
29. **Rightsize all the EC2 instances that are used in the deployment**
30. Use AWS Key Management Service (AWS KMS).
31. AWS Global Infrastructure consists of which of the following components?
32. Amazon Alexa
33. Amazon LightSail
34. AWS Organizations
35. **AWS Regions**
36. 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?
37. **Amazon ElastiCache**
38. AWS Glue
39. Amazon RDS
40. Amazon EMR
41. 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?
42. **Tag each business unit's resources, then filter by unit in Cost Explorer.**
43. Use separate AWS accounts for each business unit, then filter by unit using the coverage report.
44. Place each business unit in a different AWS Region, then filter by unit in Cost Explorer.
45. Use a different VPC for each business unit, then filter by unit using an AWS Cost and Usage Report.
46. Which IAM entity can be used for assigning permissions to AWS services?
47. IAM Policy
48. IAM Access Key ID and Secret Access Key
49. **IAM Role**
50. Security Token Service (STS)
51. Which AWS services are associated with Edge Locations? (Select TWO.)
52. **Amazon CloudFront**
53. AWS Config
54. **AWS Shield**
55. AWS Direct Connect
56. Amazon EBS
57. Your CTO wants to move to cloud. What cost advantages are there to moving to cloud?
58. You get free data transfer into and out of the cloud
59. You don’t need to pay for application licensing
60. You can reduce your marketing costs
61. **You provision only what you need and adjust to peak load**
62. How does Amazon CloudFront deliver content to end users with low latency using the AWS global infrastructure?
63. AWS Direct Connect connections
64. **Edge locations**
65. Availability Zones
66. AWS Regions
67. Are there any AWS services or features that will identify and search for externally shared AWS resources?
68. AWS Fargate.
69. Amazon OpenSearch Service (Amazon Elasticsearch Service).
70. AWS Control Tower.
71. **AWS IAM Access Analyzer.**
72. 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?
73. **AWS Organizations**
74. AWS Budgets
75. AWS Cost and Usage Report
76. Cost Explorer
77. Which AWS service or feature can be used to capture information about inbound and outbound IP traffic on network interfaces in a VPC?
78. **VPC Flow Logs**
79. AWS CloudTrail
80. VPC Endpoint
81. Internet gateway
82. What is a specific benefit of an Enterprise Support plan?
83. Included Technical Support Manager
84. Included AWS Solutions Architect
85. **Included Technical Account Manager**
86. Included Cloud Support Associate
87. 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?
88. Spot Instances
89. Regional Reserved Instances
90. Dedicated Hosts
91. **On-Demand Capacity Reservation with Savings Plan**
92. What AWS service decouples application components so that they can run independently?
93. Amazon Simple Workflow Service (Amazon SWF)
94. Amazon Simple Notification Service (Amazon SNS)
95. **Amazon Simple Queue Service (Amazon SQS)**
96. AWS Glue
97. To gain greater discounts, which services can be reserved? (Select TWO.)
98. **Amazon RedShift**
99. Amazon S3
100. **Amazon DynamoDB**
101. Amazon CloudWatch
102. AWS Lambda
103. Which IAM entity is associated with an access key ID and secret access key?
104. IAM Policy
105. IAM Group
106. IAM Role
107. **IAM User**
108. Which service can be used to easily create multiple accounts?
109. AWS CloudFormation
110. AWS IAM
111. **AWS Organizations**
112. Amazon Connect
113. Which service allows an organization to view operational data from multiple AWS services through a unified user interface and automate operational tasks?
114. **AWS Systems Manager**
115. AWS OpsWorks
116. Amazon CloudWatch
117. AWS Config
118. Which of the following are advantages of the AWS Cloud? (Select TWO.)
119. Overprovision to ensure capacity.
120. Trade variable expenses for capital expenses.
121. Focus on managing hardware infrastructure.
122. **High economies of scale.**
123. **Launch globally in minutes.**
124. What are the benefits of using reserved instances? (Select TWO.)
125. **Reserve capacity**
126. Uses dedicated hardware
127. High availability
128. **Reduced cost**
129. More flexibility
130. 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?
131. **Elasticity**
132. Economy of scale
133. Pay-as-you-go pricing
134. Reliability
135. 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?
136. AWS CloudFormation
137. AWS CodeStar
138. **AWS AppConfig**
139. AWS CodeCommit
140. Which of the below is an example of an architectural benefit of moving to the cloud?
141. Monolithic services
142. **Elasticity**
143. Vertical scalability
144. Proprietary hardware
145. A security operations engineer needs to implement threat detection and monitoring for malicious or unauthorized behavior. Which service should be used?
146. AWS CloudHSM
147. AWS KMS
148. AWS Shield
149. **Amazon GuardDuty**
150. Under the AWS shared responsibility model, which of the following is an example of customer responsibility in the AWS Cloud?
151. Physical security
152. Global infrastructure
153. Managing edge locations
154. **Firewall conﬁguration**
155. 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?
156. Create a rule in AWS WAF.
157. Edit the AWS managed policy.
158. Create a Service Control Policy.
159. **Create a custom IAM policy.**
160. What are the benefits of using Amazon Rekognition with image files?
161. Can be used to resize images
162. **Can be used to identify objects in an image**
163. Can be used to transcode audio
164. Can help with image compression
165. How can a user block a suspicious IP address from connecting to an Amazon EC2 instance?
166. Block the IP on the outbound rule of a security group.
167. **Block the IP on the inbound rule of a network ACL.**
168. Block the IP on the outbound rule of a security group and network ACL.
169. Block the IP on the inbound rule of a security group and network ACL.
170. How does the AWS global infrastructure offer high availability and fault tolerance to customers?
171. **The AWS infrastructure consists of isolated AWS Regions with independent Availability Zones that are connected with low-latency networking and redundant power supplies.**
172. The AWS infrastructure consists of subnets containing various Availability Zones with multiple data centers located in the same geographic location.
173. The AWS infrastructure is made up of multiple AWS Regions within various Availability Zones located in areas that have low flood risk and are interconnected with low-latency networks and redundant power supplies.
174. AWS allows users to choose AWS Regions and data centers so that users can select the closest data centers in different Regions.
175. AWS Direct Connect is used by a company that wants to establish connectivity across multiple AWS Regions using VPCs.
176. Which AWS service or feature should the company use to meet these requirements?
177. Amazon Connect
178. **AWS Transit Gateway**
179. Amazon Route 53
180. AWS PrivateLink
181. 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?
182. Decouple infrastructure components
183. **Design for failure**
184. Think parallel
185. Secure the workload
186. Which AWS service can be used to track the activity of users on AWS?
187. Amazon Inspector
188. **AWS CloudTrail**
189. Amazon CloudWatch
190. AWS Directory Service
191. How does Amazon EC2 Auto Scaling help with resiliency?
192. **By launching and terminating instances as needed**
193. By changing instance types to increase capacity
194. By distributing connections to EC2 instances
195. By automating the failover of applications
196. Which AWS service provides on-demand downloads of AWS security and compliance reports?
197. AWS Directory Service
198. Amazon Inspector
199. **AWS Artifact**
200. AWS Trusted Advisor
201. 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?
202. 4hrs, 6mins
203. 4hrs
204. 5hrs
205. **4hrs, 5mins, and 6 seconds**
206. Which authentication method is used to authenticate programmatic calls to AWS services?
207. Key pair
208. Console password
209. **Access keys**
210. Server certificate
211. 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?
212. AWS Control Tower
213. AWS CloudTrail
214. **Amazon CloudWatch**
215. AWS Config
216. 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?
217. AWS Global Accelerator
218. **Amazon CloudFront**
219. AWS Lambda
220. AWS Elastic Beanstalk
221. 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?
222. AWS CLI.
223. **Amazon Cognito.**
224. AWS Single Sign-On.
225. AWS Identity and Access Management (IAM).
226. An organization is considering implementing a new workload in the AWS Cloud. However, the company first wants to forecast costs.
227. Which tool should the company use to estimate the cost of the workload?
228. AWS Cost and Usage Report.
229. Cost Explorer.
230. AWS Billing and Cost Management dashboard.
231. **AWS Pricing Calculator.**
232. A manager is planning to migrate applications to the AWS Cloud and needs to obtain AWS compliance reports. How can these reports be generated?
233. **Download the reports from AWS Artifact.**
234. Download the reports from AWS Secrets Manager.
235. Create a support ticket with AWS Support.
236. Contact the AWS Compliance team.
237. Which service can be used to cost-effectively move exabytes of data into AWS?
238. S3 Transfer Acceleration
239. **AWS Snowmobile**
240. S3 Cross-Region Replication (CRR)
241. AWS Snowball
242. Which of the following are advantages of the AWS Cloud? (Select TWO.)
243. **Users can stop spending money on the maintenance of data centers.**
244. AWS manages all the security within the cloud.
245. **Users can stop guessing about resource capacity.**
246. Users do not need to deploy applications globally.
247. Expenses never change from month to month.
248. What is a benefit of moving an on-premises database to Amazon Relational Database Service (RDS)?
249. You can scale vertically without downtime
250. **There is no need to manage operating systems**
251. You can run any database engine
252. There is no database administration required
253. 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?
254. **Standard Reserved Instances**
255. On-Demand Instances
256. Convertible Reserved Instances
257. Spot Instances
258. 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?
259. **Amazon GuardDuty**
260. Amazon Detective
261. Amazon Macie
262. AWS Shield
263. 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?
264. Amazon Elastic File System (Amazon EFS).
265. **Amazon Simple Storage Service (Amazon S3).**
266. Amazon FSx for Lustre.
267. Amazon Elastic Block Store (Amazon EBS).
268. 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?
269. **Amazon EventBridge**
270. Amazon SageMaker
271. AWS Fargate
272. Amazon Connect
273. Which pillar of the AWS Well-Architected Framework includes the design principle of defining workloads, applications, and infrastructure as code (IaC)?
274. Reliability
275. Security
276. Performance efficiency
277. **Operational excellence**
278. A user needs a quick way to determine if any Amazon EC2 instances have ports that allow unrestricted access.
279. Which AWS service will support this requirement?
280. **AWS Trusted Advisor**
281. AWS Shield
282. AWS CloudWatch Logs
283. VPC Flow Logs
284. An architecture's ability to withstand failures with minimal downtime demonstrates which AWS Cloud benefit?
285. Elasticity
286. **High availability**
287. Agility
288. Scalability
289. An Amazon EC2 instance running the Amazon Linux 2 AMI is billed in what increment?
290. Per CPU
291. Per GB
292. Per hour
293. **Per second**
294. 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?
295. AWS Single Sign-On.
296. AWS Directory Service.
297. **Amazon Cognito.**
298. AWS Identity and Access Management (IAM).
299. Which AWS service or feature can be used to restrict the individual API actions that users and roles in each member account can access?
300. AWS IAM
301. AWS Shield
302. Amazon Macie
303. **AWS Organizations**
304. 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?
305. AWS CodeStar
306. Amazon WorkSpaces
307. AWS CodeBuild
308. **AWS Cloud9**
309. Which AWS services facilitate building secure and scalable mobile and web applications, offering features such as real-time updates and offline functionalities? (Select TWO.)
310. Amazon API Gateway
311. AWS CodeDeploy
312. AWS Lambda
313. **AWS AppSync**
314. **AWS Amplify**
315. How can an organization track resource inventory and configuration history for the purpose of security and regulatory compliance?
316. Implement Amazon GuardDuty
317. Run a report with AWS Artifact
318. Create an Amazon CloudTrail trail
319. **Configure AWS Config with the resource types**
320. Under the AWS shared responsibility model, which actions are the responsibility of AWS? (Select TWO.)
321. Enabling encryption on an Amazon S3 bucket.
322. **Scanning AWS service endpoints for vulnerabilities.**
323. **Encrypting traffic on the AWS backbone between global and regional AWS facilities.**
324. Configuring security group rules.
325. Enforcing application access restrictions.
326. Which of the following is an advantage of AWS Cloud computing?
327. Trade operational excellence for agility.
328. **Trade fixed expenses for variable expenses.**
329. Trade elasticity for performance.
330. Trade security for elasticity.
331. Which AWS tools can be used for automation? (Select TWO.)
332. AWS Lambda
333. Elastic Load Balancing
334. **AWS Elastic Beanstalk**
335. **AWS CloudFormation**
336. Amazon Elastic File System (EFS)

### Set 4

1. 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.)
2. Application licensing
3. Database administration
4. **Facility operations costs**
5. Operating system licensing
6. **Hardware procurement teams**
7. What is the benefit of using fully managed services compared to deploying 3rd party software on EC2?
8. Improved security
9. **Reduced operational overhead**
10. You have greater control and flexibility
11. You don’t need to back-up your data
12. 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?
13. AWS VPN CloudHub
14. AWS Managed VPN
15. AWS VPC Endpoint
16. **AWS Direct Connect**
17. AWS Business Support customers have access to which of the following?
18. AWS Support concierge
19. AWS DDoS Response Team (DRT)
20. **AWS Health API**
21. AWS technical account manager (TAM)
22. What fully managed AWS service allows users to bring their own machine learning algorithms?
23. **Amazon SageMaker**
24. AWS Data Pipeline
25. AWS Artifact
26. Amazon Forecast
27. Which of the following can be assigned to an IAM user? (Select TWO.)
28. A password for logging into Linux
29. **An access key ID and secret access key**
30. A key pair
31. An SSL/TLS certificate
32. **A password for access to the management console**
33. Which of the following security related activities are AWS customers responsible for? (Select TWO.)
34. **Implementing IAM password policies**
35. Installing patches on network devices
36. Secure disposal of faulty disk drives
37. **Installing patches on Windows operating systems**
38. Implementing data center access controls
39. 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?
40. **Amazon Kendra**
41. Amazon ElasticSearch
42. Amazon Lex
43. Amazon Comprehend
44. When storing passwords on AWS, what is the MOST secure method?
45. Store passwords in AWS Storage Gateway.
46. **Store passwords in AWS Secrets Manager.**
47. Store passwords as AWS CloudFormation parameters.
48. Store passwords in an Amazon S3 bucket.
49. Which service can be used to manage configuration versions?
50. Amazon Inspector
51. AWS Service Catalog
52. **AWS Config**
53. AWS Artifact
54. How does “elasticity” benefit an application design?
55. By reducing interdependencies between application components
56. By selecting the correct storage tier for your workload
57. **By automatically scaling resources based on demand**
58. By reserving capacity to reduce cost
59. An organization is migrating to AWS Cloud. During the migration, the company needs consulting and guidance on its applications. Upon completion of the migration, the 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.)
60. AWS Basic Support
61. AWS Business Support
62. **AWS Enterprise On-Ramp Support**
63. **AWS Enterprise Support**
64. AWS Developer Support
65. 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?
66. AWS Site-to-Site VPN
67. AWS Global Accelerator
68. **AWS PrivateLink**
69. VPC endpoints
70. The ability to horizontally scale Amazon EC2 instances based on demand is an example of which concept?
71. Agility
72. High availability
73. **Elasticity**
74. Economy of scale
75. 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?
76. AWS Trusted Advisor
77. Amazon Inspector
78. **AWS CloudTrail**
79. Amazon Detective
80. Which AWS service should be used to create a billing alarm?
81. Amazon QuickSight
82. **Amazon CloudWatch**
83. AWS Trusted Advisor
84. AWS CloudTrail
85. Which storage type can be mounted using the NFS protocol to many EC2 instances simultaneously?
86. Amazon Instance Store
87. **Amazon EFS**
88. Amazon EBS
89. Amazon S3
90. Which team is available to support AWS customers on an Enterprise support plan with account issues?
91. AWS Technical Support
92. AWS Billing and Accounts
93. **AWS Concierge**
94. AWS Technical Account Manager
95. 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?
96. Amazon Redshift
97. Microsoft SQL Server on Amazon EC2
98. **Amazon RDS for SQL Server**
99. Amazon DynamoDB
100. Which service can be used to improve performance for users around the world?
101. **Amazon CloudFront**
102. AWS LightSail
103. Amazon ElastiCache
104. Amazon Connect
105. How can I deploy AWS Cloud infrastructure to multiple AWS Regions quickly, automatically, and reliably?
106. Create and launch an Amazon EC2 Amazon Machine Image (AMI) containing the source code with built-in deployment hooks to launch other AWS services.
107. Use AWS Systems Manager to automate management tasks, such as creating Amazon EC2 Amazon Machine Images (AMIs) and applying patches.
108. **Create and use an AWS CloudFormation template.**
109. Use AWS CodeStar to set up a continuous delivery toolchain for automated deployment.
110. Which of the following need to be included in a total cost of ownership (TCO) analysis? (Select TWO.)
111. Application development
112. IT Manager salary
113. **Facility equipment installation**
114. **Data center security costs**
115. Company wide marketing
116. Which statement is correct in relation to the AWS Shared Responsibility Model?
117. AWS are responsible for encrypting customer data
118. Customers are responsible for security of the cloud
119. Customers are responsible for patching storage systems
120. **AWS are responsible for the security of regions and availability zones**
121. Which statement is true in relation to data stored within an AWS Region?
122. Data is automatically archived after 90 days
123. Data is always automatically replicated to at least one other availability zone
124. **Data is not replicated outside of a region unless you configure it**
125. Data is always replicated to another region
126. The AWS acceptable use policy for penetration testing allows?
127. Authorized security assessors to perform penetration tests against any AWS customer without authorization
128. AWS to perform penetration testing against customer resources without notification
129. Customers to carry out security assessments or penetration tests against their AWS infrastructure after obtaining authorization from AWS
130. **Customers to carry out security assessments or penetration tests against their AWS infrastructure without prior approval for selected services**
131. Which AWS service lets you add user sign up, sign-in and access control to web and mobile apps?
132. AWS Directory Service
133. **Amazon Cognito**
134. AWS Artifact
135. AWS CloudHSM
136. 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.)
137. Switch to using placement groups
138. **Create an AWS Organization configuration linking the accounts**
139. **Setup consolidated billing between the accounts**
140. Redeem their reserved instances
141. Use Spot instances instead
142. Which tool can be used to create alerts when the actual or forecasted cost of AWS services exceed a certain threshold?
143. AWS CloudTrail
144. AWS Cost and Usage report
145. **AWS Budgets**
146. AWS Cost Explorer
147. What does an organization need to do in Amazon IAM to enable user access to services being launched in new region?
148. Enable global mode in IAM to provision the required access
149. Update the user accounts to allow access from another region
150. **Nothing, IAM is global**
151. Create new user accounts in the new region
152. Which services can be used for asynchronous integration between application components? (Select TWO.)
153. Amazon EC2 Auto Scaling
154. AWS CloudFormation
155. AWS Route 53
156. **Amazon SQS**
157. **Amazon Step Functions**
158. What AWS service offers managed DDoS protection?
159. Amazon Inspector
160. AWS Firewall Manager
161. Amazon GuardDuty
162. **AWS Shield**
163. When a company moves an on-premises, internet-facing website to the AWS Cloud, what benefits does it obtain? (Select TWO.)
164. AWS automatically provides the company with the lowest-cost pricing model.
165. **The company can take advantage of the pay-as-you-go pricing model.**
166. **Website capacity can expand or contract as website traffic changes.**
167. Data that is stored in the AWS Cloud is automatically encrypted.
168. The website shows up with higher priority in internet search engines.
169. Which of the following is a benefit of moving to the AWS Cloud?
170. Outsource all IT operations
171. Capital purchases
172. **Pay for what you use**
173. Long term commitments
174. 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?

1. Operational excellence
2. Security
3. **Reliability**
4. Performance efficiency
5. Which of the following are architectural best practices for the AWS Cloud? (Select TWO.)
6. Close coupling
7. **Deploy into multiple Availability Zones**
8. Deploy into a single availability zone
9. **Design for fault tolerance**
10. Create monolithic architectures
11. A company needs significant cost savings for their non-interruptible workloads on AWS. Which EC2 instance pricing model should the company select?
12. On-Demand Instances
13. **Reserved Instances**
14. Spot Instances
15. Dedicated Hosts
16. 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?
17. Contact the dedicated AWS Concierge Support team
18. Contact the dedicated Technical Account Manager
19. Open a business-critical system down support case
20. **Open a production system down support case**
21. 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?
22. Amazon EventBridge (Amazon CloudWatch Events).
23. Amazon CloudWatch Logs streams.
24. **Amazon CloudWatch Logs Insights.**
25. Amazon CloudWatch anomaly detection.
26. Which AWS service monitors AWS accounts continuously for malicious activity and unauthorized behavior?
27. Amazon Inspector
28. Amazon Macie
29. AWS Config
30. **Amazon GuardDuty**
31. A company wants to push VPC flow logs to Amazon S3. What action is the company responsible for under the Shared Responsibility Model?
32. Managing the infrastructure that runs the S3 bucket.
33. Managing the operating system updates on the S3 bucket.
34. **Managing the encryption options on the S3 bucket.**
35. Managing the data in transit.
36. 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.)
37. **AWS Site-to-Site VPN**
38. Amazon Connect
39. Amazon AppStream 2.0
40. **Amazon Workspaces**
41. Amazon Elastic Container Service (Amazon ECS)
42. 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?
43. Overprovision compute capacity for seasonal events and traffic spikes to prevent downtime.
44. Use Amazon Elastic Container Service (Amazon ECS) on Amazon EC2 instances.
45. Build hardware refreshes into the operational calendar to ensure availability.
46. **Use AWS Managed Services to provision, run, and support the company infrastructure.**
47. Which Amazon EC2 pricing model should be used to comply with per-core software license requirements?
48. Spot Instances
49. **Dedicated Hosts**
50. Reserved Instances
51. On-Demand Instances
52. Which service can be added to a database to provide improved performance for some requests?
53. Amazon EFS
54. Amazon RedShift
55. **Amazon ElastiCache**
56. Amazon RDS
57. How can consolidated billing within AWS Organizations help lower overall monthly expenses?
58. By providing a consolidated view of monthly billing across multiple accounts
59. **By pooling usage across multiple accounts to achieve a pricing tier discount**
60. By automating the creation of new accounts through APls
61. By leveraging service control policies (SCP) for centralized service management
62. Which of the following is an architectural best practice recommended by AWS?
63. **Design for failure**
64. Use manual operational processes
65. Think servers, not services
66. Design for success
67. Which feature of AWS IAM enables you to identify unnecessary permissions that have been assigned to users?
68. **Access Advisor**
69. Permissions Advisor
70. Role Advisor
71. Group Advisor
72. The AWS shared responsibility model is included in which pillar of the AWS Well-Architected Framework?
73. Performance efficiency
74. Reliability
75. Operational excellence
76. **Security**
77. Which AWS services are delivered globally rather than regionally? (Select TWO.)
78. **Amazon Route 53**
79. Amazon VPC
80. **Amazon CloudFront**
81. Amazon RDS
82. Amazon EC2
83. 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?
84. AWS Cost Explorer
85. AWS Trusted Advisor
86. AWS Budgets
87. **AWS Compute Optimizer**
88. Which service can be used to assign a policy to a group?
89. AWSn STS
90. AWS Shield
91. Amazon Cognito
92. **AWS IAM**
93. What is the main benefit of the principle of “loose coupling”?
94. Automate the deployment of infrastructure using code
95. Reduce operational complexity
96. Enables applications to scale automatically based on current demand
97. **Reduce interdependencies so a failure in one component does not cascade to other components**
98. 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?
99. Amazon Elastic Block Store (Amazon EBS).
100. Amazon S3.
101. Amazon Elastic File System (Amazon EFS).
102. **Amazon FSx for Windows File Server.**
103. Which of the following are advantages of the AWS Cloud? (Select TWO.)
104. AWS manages the security of applications built on AWS
105. AWS manages cost planning for virtual servers
106. AWS manages the development of applications on AWS
107. **AWS manages capacity planning for physical servers**
108. **AWS manages the maintenance of the cloud infrastructure**
109. Which AWS service helps you continuously audit your AWS usage to simplify how you assess risk and compliance with regulations and industry standards?
110. AWS Config
111. **AWS Audit Manager**
112. AWS Artifact
113. AWS Trusted Advisor
114. When an Amazon EC2 instance is stopped, which of the following AWS services can be used to identify the user who stopped it?
115. Amazon Inspector
116. Amazon CloudWatch
117. **AWS CloudTrail**
118. VPC Flow Logs
119. 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?
120. **AWS Launch Wizard**
121. AWS Elastic Beanstalk
122. AWS CloudFormation
123. AWS App Runner
124. Which AWS service enables hybrid cloud storage between on-premises and the AWS Cloud?
125. Amazon CloudFront
126. **AWS Storage Gateway**
127. Amazon S3 Cross Region Replication (CRR)
128. Amazon Elastic File System (EFS)
129. 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?
130. **Amazon Redshift**
131. Amazon RDS
132. Amazon Athena
133. Amazon EMR
134. What are two components of Amazon S3? (Select TWO.)
135. Directories
136. **Objects**
137. **Buckets**
138. Block devices
139. File systems
140. In AWS IAM, what are the characteristics of users and groups? (Select TWO.)
141. Groups can be nested and can contain other groups.
142. All new users are automatically added to a default group.
143. A user can only be a member of a single group at one time.
144. **A user can be a member of multiple groups.**
145. **Groups can contain users only and cannot be nested.**
146. Which actions are the responsibility of AWS, according to the AWS shared responsibility model? (Select TWO.)
147. Enforcing a strict password policy for IAM users
148. Patching the operating system on Amazon EC2 instances
149. Configuring security groups and network ACLs
150. **Patching the operating system on Amazon RDS instances**
151. **Securing the virtualization layer**
152. What does an organization need to do to move to another AWS region?
153. Submit an application to extend their account to the additional region
154. **Just start deploying resources in the additional region**
155. Apply for another AWS account in that region
156. Create a separate IAM account for that region
157. Which AWS service provides a quick and automated way to create and manage AWS accounts?
158. AWS QuickSight
159. Amazon Connect
160. Amazon LightSail
161. **AWS Organizations**
162. 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?
163. AWS Systems Manager
164. AWS Service Catalog
165. AWS Resource Groups
166. **AWS Application Discovery Service**

### Set 5

### Set 6

## Ranga Karanam

### Set 1

1. Which of these can be used to review, accept, and manage your agreements with AWS?
2. AWS Security Hub
3. **AWS Artifact**
4. Amazon GuardDuty
5. Amazon Macie
6. Which of these is networking connection between two VPCs that enables you to route traffic between them using private addresses?
7. VPC Flow Logs
8. Security Group
9. AWS Direct Connect
10. **VPC Peering**
11. Which of these is an easy-to-use AWS service for deploying and scaling web applications and services developed with Java, . NET, PHP, Node. js, Python, Ruby and Go?
12. **AWS Elastic Beanstalk**
13. AWS Elastic Container Service (ECS)
14. Elastic Load Balancing
15. AWS Auto Scaling
16. Which of these AWS services is a relational database for analytics processing of petabytes of data?
17. Amazon ElastiCache
18. **Amazon Redshift**
19. Amazon DynamoDB
20. Amazon RDS
21. Which of these are characteristics of the pricing models used in the cloud? (Select 2)
22. Trade operational expenditure (opex) for capital expenditure (capex)
23. Pay monthly installments for the infrastructure bought
24. Buy infrastructure ahead of time
25. **Pay-as-you-go**
26. **Trade capital expenditure (capex) for operational expenditure (opex)**
27. Which of these AWS services provides you with cost optimization, performance, security and fault tolerance recommendations in AWS?
28. AWS Organizations
29. AWS Config
30. AWS CloudTrail
31. **AWS Trusted Advisor**
32. Which of these are storage services in AWS? (Select 2)
33. Amazon ELB
34. **Amazon Elastic Block Store (EBS)**
35. **Amazon Elastic File System (EFS)**
36. Amazon EC2
37. Amazon CloudFront
38. Which of these recommendations does NOT fall under the reliability pillar of AWS Well Architected Framework?
39. Automate recovery from failure with Health checks and Auto scaling
40. Maintain Redundancy
41. Scale horizontally
42. **Principle of least privilege for least time**
43. Which of these AWS services can integrate with AWS Shield to protect you from Denial of Service (DDoS) attacks? (SELECT 2)
44. **AWS Elastic Load Balancing (ELB)**
45. AWS KMS
46. AWS Lambda
47. **Amazon CloudFront**
48. AWS Organizations
49. Your enterprise does not have in house AWS expertise. Which of these services can help with your cloud migration? Please select two correct answers
50. **AWS Professional Services**
51. AWS Systems Manager
52. AWS Abuse team
53. AWS Marketplace
54. **AWS Partner Network**
55. You want to reserve compute capacity in AWS to reduce costs. You need the flexibility to switch from EC2 instances to AWS Lambda or AWS Fargate. Which of these options would you choose?
56. **Savings Plans**
57. Spot Instances
58. Reserved Instances
59. On Demand Instances
60. Which of these is a fully managed continuous delivery service that helps you automate your release pipelines for fast and reliable application and infrastructure updates?
61. Amazon CloudWatch
62. AWS CodeCommit
63. AWS CodeDeploy
64. **AWS CodePipeline**
65. Which of these are NOT IAM Best Practices (Select 2)?
66. Configure a strong password policy
67. **Share IAM User credentials**
68. Grant least privilege
69. **Use Root User Regularly for IAM operations**
70. Manage permissions with groups
71. You need to quickly run a mission critical batch program that cannot be interrupted. Which of these options would you choose?
72. **On Demand Instances**
73. Spot Instances
74. Reserved Instances
75. Savings Plans
76. Which of these are the benefits of the cloud? (Select 2)
77. Reduced agility
78. **Increased speed and agility**
79. You do not need to worry about security of your data
80. You do not need to worry about security of your applications
81. **Trade capital expense for variable expense**
82. Which of these AWS services helps you to trace requests across different components and AWS services?
83. Amazon CloudWatch
84. AWS CloudTrail
85. AWS Config
86. **AWS X-Ray**
87. Which of these is NOT a responsibility of AWS under the shared responsibility model?
88. Ensuring that services like Amazon S3 and Amazon DynamoDB are highly available
89. Ensuring adherence of AWS IT Infrastructure with IT security standards
90. Providing information on AWS IT control environment (white papers, certifications etc)
91. **Controls based on the applications deployed to AWS**
92. Which of these database services is used to create an AWS managed MySQL database?
93. **Amazon RDS**
94. Amazon Redshift
95. Amazon DynamoDB
96. Amazon ElastiCache
97. Which of these AWS services is used to collect monitoring and operational data in the form of logs, metrics, and events?
98. Amazon GuardDuty
99. AWS Config
100. **Amazon CloudWatch**
101. AWS CloudTrail
102. Which of these will you use to authenticate yourselves to make programmatic calls against AWS Services using AWS CLI?
103. IAM User - User ID and Password
104. **IAM User - Access keys (access key ID and secret access key)**
105. IAM Role - Access keys (access key ID and secret access key)
106. IAM Role - User ID and Password
107. Which of these AWS services helps you to estimate the cost of your architecture solution in AWS? (Select 2)
108. TCO - Total Cost of Ownership Calculator
109. AWS Budgets
110. **AWS Pricing Calculator**
111. AWS Cost Explorer
112. **AWS Simple Monthly Calculator**
113. Which of these AWS services is recommended to track changes made to your AWS resources?
114. Amazon CloudWatch
115. AWS X-Ray
116. **AWS CloudTrail**
117. Amazon GuardDuty
118. One of the IAM best practices is to provide users with the minimum access they would need to be able to perform their duties. Which of these represents this best practice?
119. Enable MFA for privileged users
120. **Grant least privilege**
121. Configure a strong password policy
122. Rotate security credentials regularly
123. Which of these AWS support plans is free of cost?
124. **Basic**
125. Business
126. Developer
127. Enterprise
128. When deploying applications to Amazon EC2 instances, which of the following is the customer responsible for (select 2)?
129. Security of Physical Infrastructure (Hardware, Networking)
130. Configuration of Physical Infrastructure (Hardware, Networking)
131. Configuration of Virtualization Layer (Hypervisor, Host OS)
132. **Choosing Guest OS (Linux) and Installing patches**
133. **Deploying your application code**
134. Which of these databases is recommended for quickly evolving applications needing to support millions of transactions per second?
135. Amazon ElastiCache
136. **Amazon DynamoDB**
137. Amazon Redshift
138. Amazon RDS
139. A private subnet does not have a route to:
140. **Internet Gateway**
141. Security Group
142. NAT instance
143. NAT Gateway
144. Which of these is a virtual firewall to control incoming and outgoing traffic to/from AWS resources (EC2 instances, databases etc)?
145. Elastic IP
146. **Security Group**
147. Amazon Machine Image (AMI)
148. EC2 instance family
149. Because of compliance requirements, your applications can only be deployed in a single geographic location. Which of these options can you consider to increase availability of your application?
150. Deploy EC2 instances to multiple regions
151. Deploy EC2 instances in a single availability zone
152. Deploy EC2 instances to multiple edge locations
153. **Deploy EC2 instances to multiple availability zones**
154. Security and Compliance in AWS is a:
155. Responsibility of Customer
156. Responsibility of AWS
157. **Shared Responsibility of AWS and Customer**
158. None of the above
159. Which of these AWS services helps you to simplify management of multiple AWS accounts?
160. AWS Trusted Advisor
161. AWS CloudTrail
162. AWS Config
163. **AWS Organizations**
164. Which of these AWS Well Architected Framework pillars focus on minimizing effort and problems with Provisioning servers, Deployment, Monitoring and Support?
165. Performance Efficiency
166. **Operational Excellence**
167. Reliability
168. Security
169. Which of these database services is used to create an AWS managed Oracle database?
170. Amazon Redshift
171. **Amazon RDS**
172. Amazon ElastiCache
173. Amazon DynamoDB
174. Which of these represents horizontal scaling of EC2 instances?
175. Switch from EC2 instances to AWS Lambda
176. Increasing EC2 instance size: Example: t2.micro to t2.small
177. **Creating multiple EC2 instances to share the load and using an Elastic Load Balancer to distribute load between them**
178. Reducing EC2 instance size: Example: t2.large to t2.small
179. When do you go for EC2 spot instances? (Select 2)
180. Your workloads are immediate
181. **Your workloads can be stopped at a minute's notice and can continue from where they stopped**
182. Your workloads are NOT fault tolerant
183. Your workloads cannot be stopped
184. **Your workloads are non immediate**
185. Which of these are managed database services in AWS? (Select 2)
186. AWS Lambda
187. Amazon CloudFront
188. **Amazon RDS**
189. Amazon EC2
190. **Amazon DynamoDB**
191. Which of these AWS services helps you to implement Continuous Integration in AWS (Select 2)?
192. Amazon CloudWatch
193. Amazon CloudFront
194. **AWS CodeBuild**
195. Route 53
196. **AWS CodePipeline**
197. Which of these AWS services will you use to run event driven workloads in AWS?
198. AWS Fargate
199. **AWS Lambda**
200. AWS Elastic Beanstalk
201. AWS Elastic Container Service (ECS)
202. Which of these AWS services can help you automate common operational tasks such as stopping and restarting a group of EC2 instances?
203. AWS Professional Services
204. AWS Marketplace
205. **AWS Systems Manager**
206. AWS Budgets
207. Which of these can be used to create a file share to share files between multiple EC2 instances?
208. Amazon S3
209. AWS Storage Gateway
210. **Amazon Elastic File System (EFS)**
211. Amazon Elastic Block Store (EBS)
212. Which of these AWS services is a fully-managed message queuing service in AWS?
213. Amazon SNS
214. **Amazon SQS**
215. Amazon CloudWatch
216. Amazon Kinesis
217. Which of these allow you to create tunnels from VPC to on premises with encrypted communication over internet?
218. Internet Gateway
219. AWS Direct Connect
220. NAT Gateway
221. **AWS Managed VPN**
222. Which of these AWS services integrates with storage and database services in AWS (Amazon S3, DynamoDB etc) to provide you with options to encrypt your data?
223. AWS Shield
224. Amazon Macie
225. **AWS KMS**
226. AWS WAF (Web Application Firewall)
227. Which of these is a threat detection service that continuously monitors for malicious activity and unauthorized behavior to protect your AWS accounts?
228. AWS WAF (Web Application Firewall)
229. Amazon Macie
230. AWS Shield
231. **Amazon GuardDuty**
232. Which of these IAM entities has credentials attached with it (username, password and/or access keys)?
233. IAM Group
234. IAM Policy
235. **IAM User**
236. IAM Role
237. Which of these AWS services allow you to run queries against Amazon S3 without loading the data from Amazon S3 into data warehousing solution?
238. **Amazon Redshift Spectrum**
239. Amazon DynamoDB
240. Amazon Redshift
241. Amazon EMR
242. Which of these AWS services allow you to analyze your costs(Filter by Region, AZ, tags etc.) and see future cost projections in AWS?
243. **AWS Cost Explorer**
244. AWS CloudTrail
245. AWS Budgets
246. AWS Trusted Advisor
247. Which of these AWS services helps you to provision resources in AWS?
248. AWS CodeDeploy
249. **AWS Cloud​Formation**
250. AWS CodePipeline
251. AWS CodeBuild
252. Which of these AWS services is used to cache data from SQL Queries?
253. Amazon Redshift
254. Amazon RDS
255. Amazon DynamoDB
256. **Amazon ElastiCache**
257. Which of these devices are used to setup AWS Managed VPN connectivity between On-premises and AWS (Select 2)?
258. **Customer gateway**
259. Internet Gateway
260. **VPN gateway**
261. NAT instance
262. NAT Gateway
263. Which of these AWS services allow you to reduce latency for users by distributing content to edge locations all around the world?
264. Route 53
265. **Amazon CloudFront**
266. Amazon SNS
267. Amazon CloudWatch
268. Which of these S3 storage classes does NOT provide immediate access to data (select 2)?
269. **Glacier**
270. **Glacier Deep Archive**
271. Standard
272. Standard-IA
273. One Zone-IA
274. How can you distribute data in Amazon RDS across multiple availability zones? (Select 2)
275. Create Read Replica in the same availability zone as the master database
276. Use Amazon RDS Reserved Instances
277. **Create Read Replica in a different availability zone (compared to master database)**
278. **Create a Multi-AZ deployment with a standby database**
279. Enable Encryption at rest and in transit
280. Which of these helps you to create your own isolated network in AWS cloud?
281. **Amazon VPC**
282. NAT Gateway
283. VPC Subnets
284. API Gateway
285. You need to store archives for 20 years for regulatory compliance. Which of these AWS services provides you storage at the LOWEST cost?
286. AWS Storage Gateway
287. **Amazon Glacier**
288. Amazon S3
289. Amazon Elastic Block Store (EBS)
290. Which of these are used to manage permissions for a collection of users at a single place in AWS?
291. IAM Policy
292. IAM Role
293. **IAM Group**
294. IAM User
295. Which of these AWS support plans provides you with 24x7 phone, email, and chat access to Cloud Support Engineers and technical support for unlimited contacts? (Select 2)
296. Basic
297. **Enterprise**
298. **Business**
299. Operations
300. Developer
301. Which of these options is recommend to efficiently deliver static content with low latency to global users in AWS?
302. Create a static website using AWS Lambda
303. **Create a static website using an S3 bucket and distribute content to edge locations using CloudFront**
304. Create a static website using an S3 bucket
305. Deploy static website on EC2 instances and load balance using ELB
306. Which of these AWS services helps you to add authentication and authorization to your mobile and web apps?
307. AWS Step Functions
308. AWS API Gateway
309. **Amazon Cognito**
310. AWS Lambda
311. Which of these options is recommended for moving hundreds of terabytes of data from on premises to AWS?
312. AWS Snowmobile
313. AWS Direct Connect
314. AWS Storage Tape Gateway
315. **AWS Snowball**
316. Which of these is an AWS managed service to allow instances in a private subnet to download software patches while denying inbound traffic from internet?
317. AWS Direct Connect
318. Internet Gateway
319. **NAT Gateway**
320. NAT instance
321. Which of these are advantages of moving to cloud?
322. Plan and Buy infrastructure ahead of time
323. Plan and Pay in monthly installments for infrastructure
324. **No need to plan ahead of time. Provision infrastructure as your needs evolve.**
325. Plan and Buy infrastructure on demand
326. Which of these AWS services can be used to protect your web applications from web attacks by filtering traffic from a specific geographic location?
327. AWS Shield
328. AWS KMS
329. AWS Cloud HSM (Hardware Security Module)
330. **AWS WAF (Web Application Firewall)**
331. Which of these is NOT a category of checks provided by Trusted Advisor?
332. Service limits
333. Cost optimization
334. Performance
335. **Reliability**
336. Which of these is a highly durable object storage service in AWS?
337. **Amazon S3**
338. Amazon Elastic Block Store (EBS)
339. Amazon Elastic File System (EFS)
340. AWS Storage Gateway

### Set 2

1. Which of these AWS services helps you to establish a hybrid cloud (applications deployed in on premises and AWS)? (Select 2)
2. NAT Gateway
3. Amazon CloudFront
4. API Gateway
5. **AWS Direct Connect**
6. **AWS Storage Gateway**
7. Which of these is an ephemeral storage that can be attached with an EC2 instance?
8. **Amazon EC2 Instance Store**
9. Amazon Elastic File System (EFS)
10. Amazon Elastic Block Store (EBS)
11. AWS Storage Gateway
12. Which of these AWS services is recommended for start up with quickly evolving tables?
13. Amazon ElastiCache
14. Amazon Redshift
15. Amazon RDS
16. **Amazon DynamoDB**
17. Which of these are NOT shared responsibilities between AWS and customer under the Shared Responsibility Model? (Select 2)
18. Awareness & Training
19. Configuration Management
20. Patch Management
21. **Adherence of IT Infrastructure with IT security standards**
22. **Controls based on the applications deployed to AWS**
23. Which of these is used to continuously monitor AWS environment for suspicious activity by analyzing AWS CloudTrail events, VPC Flow Logs etc?
24. **Amazon GuardDuty**
25. Amazon Macie
26. AWS Shield
27. AWS WAF (Web Application Firewall)
28. Which of these AWS services is recommended to audit and monitor changes made to your AWS resources?
29. Amazon CloudWatch
30. Amazon GuardDuty
31. AWS Config
32. **AWS CloudTrail**
33. Which of these provides low cost storage for archives and backup in AWS?
34. **Amazon Glacier**
35. Amazon S3
36. Amazon Elastic Block Store (EBS)
37. AWS Storage Gateway
38. Which of these AWS services helps you to automate deployment of AWS resources in a controlled, predictable way?
39. AWS Config
40. Amazon CloudWatch
41. **AWS Cloud​Formation**
42. AWS CodeCommit
43. Which of these AWS services is recommended for creating virtual tape backups from on premises to Amazon S3 & Glacier?
44. AWS Storage Volume Gateway
45. AWS Storage File Gateway
46. **AWS Storage Tape Gateway**
47. Amazon S3
48. Which of these AWS support plans provides you with 24X7 phone access to Cloud Support Engineers? (Select 2)
49. **Business**
50. **Enterprise**
51. Operations
52. Developer
53. Basic
54. Which of these AWS services helps you to implement DevOps in AWS (Select 2)?
55. Amazon CloudWatch
56. Amazon CloudFront
57. Route 53
58. **AWS CodeBuild**
59. **AWS CodePipeline**
60. Which of these AWS Well Architected Framework pillars focuses on the ability to adapt to changing demands in load and recover from infrastructure and application issues?
61. Performance Efficiency
62. Operational Excellence
63. **Reliability**
64. Security
65. Which of these allows instances in a private subnet to download software patches while denying inbound traffic from internet?
66. Internet Gateway
67. AWS Direct Connect
68. **NAT Gateway**
69. Security Group
70. Which of these are pillars in the AWS Well Architected Framework (Select 2)?
71. Efficiency
72. **Operational Excellence**
73. Provisioning servers
74. Resilience
75. **Cost Optimization**
76. Which of these is a pre-defined template that contains a software configuration (for example, an operating system, an application server, and applications) to launch an Amazon EC2 instance?
77. Security Groups
78. **Amazon Machine Image (AMI)**
79. EC2 instance families
80. Elastic IP
81. You need to run a web application using 10 EC2 instances for the next 3 years in AWS. Which of these EC2 instance options would you choose?
82. Spot Instances
83. EC2 instance families
84. On Demand Instances
85. **Reserved Instances**
86. Which of these represents vertical scaling of EC2 instances?
87. **Increasing EC2 instance size (Example: t2.micro to t2.small)**
88. Creating more EC2 instances
89. Reducing the number of EC2 instances
90. Adding a Load Balancer to load balance between EC2 instances
91. Which of these are advantages of moving to cloud? (Select 2)
92. Startups can buy infrastructure on demand
93. Startups can pay in monthly installments for infrastructure
94. **Easily deploy your applications to multiple regions around the world**
95. Startups can buy infrastructure ahead of time
96. **Trade capital expense (capex) for operational expense (opex)**
97. Which of these AWS support plans provides you with a Concierge Support Team?
98. **Enterprise**
99. Basic
100. Business
101. Developer
102. One of the IAM best practices is to perform an additional security check in addition to user id and password for IAM administrators. Which of these represents this best practice?
103. **Enable MFA for privileged users**
104. Rotate security credentials regularly
105. Grant least privilege
106. Configure a strong password policy
107. Which of these programs gets you help from other consulting and technology firms to design and build services in AWS?
108. AWS Systems Manager
109. AWS Marketplace
110. **AWS Partner Network**
111. AWS Service Quotas
112. Which of these is a recommended cloud computing best practice for ensuring elasticity?
113. Provision infrastructure based on your past projections
114. Provision infrastructure based on your experience in your data centers
115. **Provision infrastructure based on the number of active users using the application**
116. Provision infrastructure based on your future evaluations of needs
117. Which of these AWS services can be used to protect your web applications from Common Vulnerabilities and Exposures (CVE) - information-security vulnerabilities and exposures?
118. **AWS WAF (Web Application Firewall)**
119. AWS KMS
120. AWS Shield
121. AWS Cloud HSM (Hardware Security Module)
122. Which of these AWS services inspects your AWS environment and makes recommendations for saving money, improving system performance, or closing security gaps?
123. AWS Config
124. AWS Organizations
125. AWS CloudTrail
126. **AWS Trusted Advisor**
127. Which of these AWS services helps you to run pre-configured development stacks like LAMP, MEAN in AWS at a low predictable monthly price?
128. AWS Elastic Beanstalk
129. AWS Lambda
130. **Amazon Lightsail**
131. AWS Elastic Container Service (ECS)
132. Which of these S3 storage classes is recommended for files with changing or unknown access patterns?
133. **Intelligent-Tiering**
134. Standard
135. Glacier
136. One Zone-IA
137. Which of these is used to make programmatic calls against AWS Services?
138. IAM User user id and password
139. IAM Group user id and password
140. **IAM User Access keys (access key ID and secret access key)**
141. IAM Role user id and password
142. Which of these AWS services helps you to define Service control policies(SCP) to define cross account restrictions (Example: Require MFA to stop an Amazon EC2 instance)?
143. **AWS Organizations**
144. AWS CloudTrail
145. AWS Config
146. AWS Trusted Advisor
147. Which of these AWS services helps you to act based on events on AWS services (For example: Call a AWS Lambda function or send an email when an EC2 instance starts)?
148. AWS Config
149. AWS CloudTrail
150. **Amazon CloudWatch Events**
151. Amazon CloudWatch Logs
152. Which of these is a component in an Amazon VPC?
153. Bucket
154. **Internet Gateway**
155. Object
156. API Gateway
157. You have an application deployed in a single region. You would want to provide low latency access to static content from the application to your global users. Which service would you recommend?
158. Amazon SQS
159. Your answer is correct
160. **Amazon CloudFront**
161. Route 53
162. Amazon CloudWatch
163. Which of these AWS services can be used to protect Amazon Route 53, CloudFront, EC2 instances and Elastic Load Balancers (ELB) from distributed denial of service (DDoS) attacks?
164. AWS Cloud HSM (Hardware Security Module)
165. AWS WAF (Web Application Firewall)
166. **AWS Shield**
167. AWS KMS
168. A public subnet has a route to:
169. NAT instance
170. NAT Gateway
171. Security Group
172. **Internet Gateway**
173. Which of these are customer responsibilities when you are using Amazon RDS to deploy your database (Select 2)?
174. OS Installation
175. **Schema optimization**
176. High Availability
177. **Creating schema (tables, indexes etc)**
178. Hardware Maintenance
179. Which of these are used to manage permissions for a set of users in AWS?
180. IAM User
181. IAM Role
182. **IAM Group**
183. IAM Policy
184. Increasing the number of EC2 instances based on the number of users using your application is an example of:
185. Durability
186. Security
187. Reliability
188. **Elasticity**
189. Which of these payment options give you the best discount for Savings Plans?
190. Nothing Upfront
191. **All Upfront**
192. No Upfront
193. Partial Upfront
194. Which of these can be used to setup a self (customer) managed MySQL database in AWS?
195. Amazon DynamoDB
196. Amazon Redshift
197. Amazon ElastiCache
198. **Amazon EC2 with Amazon Elastic Block Store (Amazon EBS)**
199. The primary responsibility of which of these AWS services is to help you to version control your source code?
200. AWS CodeDeploy
201. **AWS CodeCommit**
202. Amazon CloudWatch
203. AWS CodePipeline
204. Which of these is NOT a recommendation under the Operation Excellence pillar of AWS Well Architected Framework?
205. Implement CI/CD to find problems early: CodePipeline, CodeBuild, CodeDeploy
206. Go serverless: Prefer Lambda to EC2!
207. Automate with Cloud Formation: Use Infrastructure As Code
208. **Use temporary credentials when possible**
209. Which of these AWS services allow you to be alerted by email or SNS notification when your usage exceeds your budget threshold?
210. AWS Trusted Advisor
211. AWS CloudTrail
212. **AWS Budgets**
213. AWS Cost Explorer
214. Which of these options is recommended for moving exabytes of data from on premises to AWS?
215. **AWS Snowmobile**
216. AWS Snowball
217. AWS Storage Tape Gateway
218. AWS DataSync
219. Which of these allows you to connect VPCs from same or different AWS accounts (across regions) to enable private communication between the connected VPCs?
220. Security Group
221. VPC Flow Logs
222. **VPC Peering**
223. AWS Direct Connect
224. Which of these AWS services helps you to run commands and apply patches on a group of Amazon EC2 instances?
225. AWS Professional Services
226. **AWS Systems Manager**
227. AWS Marketplace
228. AWS Budgets
229. If you suspect that AWS resources are used for abusive purposes, which of these AWS teams should you reach out to?
230. AWS Partner Network
231. AWS Systems Manager
232. AWS Professional Services
233. **AWS Abuse team**
234. Which of these AWS services helps you to create loosely coupled applications in AWS (Select 2)?
235. AWS X-Ray
236. **Amazon SNS**
237. **Amazon SQS**
238. Amazon CloudWatch
239. AWS Config
240. Which of these allow you to monitor network traffic and troubleshoot network connectivity issues (NACL and/or Security Groups misconfiguration)?
241. VPC Peering
242. VPC Endpoint
243. NAT Gateway
244. **VPC Flow Logs**
245. Which of these can be used to audit the usage of your IAM Users?
246. Amazon CloudWatch
247. AWS Config
248. IAM Role
249. **AWS CloudTrail**
250. Which of these provides the cheapest option to run non-immediate fault-tolerant batch applications on EC2 instances in AWS?
251. Reserved Instances
252. On Demand Instances
253. Savings Plans
254. **Spot Instances**
255. Which of these is the recommended Elastic Load Balancer for HTTP/HTTPS web applications in AWS?
256. Classic Load Balancer
257. Container Load Balancer
258. Network Load Balancer
259. **Application Load Balancer**
260. Which of these are AWS responsibilities when you are using Amazon RDS to deploy your database (Select 2)?
261. Creating schema (tables, indexes etc)
262. **OS Installation and Patches**
263. Schema optimization
264. Managing database users
265. **Hardware Maintenance**
266. Which of these storage services can be used to host a static website in AWS?
267. AWS Storage Gateway
268. Amazon Elastic Block Store (EBS)
269. Amazon Elastic File System (EFS)
270. **Amazon S3**
271. Which of these AWS services provides predefined, customizable rules that are used to evaluate whether your AWS resources comply with common best practices?
272. AWS CloudTrail
273. **AWS Config**
274. Amazon CloudWatch
275. Amazon GuardDuty
276. Which of these AWS services provides you with an option to easily create web applications deployed on EC2 instances with load balancing and auto-scaling features?
277. Elastic Load Balancing
278. AWS Auto Scaling
279. AWS Elastic Container Service (ECS)
280. **AWS Elastic Beanstalk**
281. Which of these AWS services can be used to speed up applications by caching database query results?
282. Amazon DynamoDB
283. Amazon RDS
284. **Amazon ElastiCache**
285. Amazon Redshift
286. Which of these AWS services can encrypt data in Amazon S3?
287. Amazon Macie
288. **AWS KMS**
289. AWS Shield
290. AWS WAF (Web Application Firewall)
291. You want to improve the latency for global users accessing a static website hosted in S3 bucket. Which of these AWS services would you recommend?
292. Amazon CloudWatch
293. Route 53
294. Amazon SNS
295. **Amazon CloudFront**
296. How is the cost for using AWS Lambda determined?
297. Number of Load Balancers used
298. Number of Servers Provisioned
299. **Number of requests, Duration of requests and Memory Configured**
300. All of the Above
301. How can you protect from outages due to natural disasters in a specific geographical location?
302. **Deploy applications to Multiple Regions and Multiple Availability Zones**
303. You cannot protect your applications from outages
304. Deploy applications in a Single Region
305. Deploy applications in a single Availability Zone
306. Which of these provides you with access to AWS auditor issued reports, certifications, accreditations and other third-party attestations?
307. **AWS Artifact**
308. AWS Security Hub
309. Amazon Macie
310. Amazon GuardDuty
311. Which of these is a managed AWS service to run your unit tests and build your source package?
312. AWS CodeDeploy
313. AWS CodePipeline
314. **AWS CodeBuild**
315. Amazon CloudWatch
316. Choose compute related services in AWS (Select 2)
317. **Amazon EC2**
318. Amazon Redshift
319. **AWS Lambda**
320. Amazon RDS
321. Amazon DynamoDB
322. Which of these databases is recommended for data-warehousing, reporting and analytics usecases?
323. **Amazon Redshift**
324. Amazon ElastiCache
325. Amazon RDS
326. Amazon DynamoDB
327. Which of these helps you to private connectivity between AWS and your data center to reduce your network costs, increase bandwidth throughput, and provide a more consistent network experience?
328. NAT Gateway
329. Internet Gateway
330. AWS Managed VPN
331. **AWS Direct Connect**

### Set 3

1. Which of these databases supports relational databases with tables and SQL queries (Select 2)?
2. **Amazon RDS**
3. Amazon DynamoDB
4. **Amazon Redshift**
5. Amazon ElastiCache
6. Amazon Neptune
7. Which of these help you to separate public resources from private resources in an Amazon VPC?
8. **VPC Subnets**
9. Amazon Direct Connect
10. API Gateway
11. NAT Gateway
12. Which of these AWS services can be used to speed up database-driven websites by caching data?
13. Amazon Redshift
14. Amazon RDS
15. **Amazon ElastiCache**
16. Amazon DynamoDB
17. Which of these allow you to capture traffic going in and out of your VPCs and Subnets?
18. VPC Peering
19. NAT Gateway
20. **VPC Flow Logs**
21. VPC Endpoint
22. Which of these are attached to an IAM entity to provide it with permissions to access AWS resources?
23. IAM Group
24. **IAM Policy**
25. IAM Role
26. IAM User
27. Which of these AWS services helps you to execute an Auto Scaling policy based on CPU utilization of an EC2 instance?
28. AWS Config
29. **Amazon CloudWatch Alarms**
30. AWS CloudTrail
31. Amazon CloudWatch Logs
32. Which of these AWS services allow you to set up alert notifications when actual or forecasted cost or usage exceeds your budget limit?
33. AWS Trusted Advisor
34. AWS CloudTrail
35. AWS Cost Explorer
36. **AWS Budgets**
37. Which of these provides you with an extra layer of protection on top of your user name and password for critical operations?
38. **MFA**
39. IAM User
40. IAM Role
41. IAM Group
42. Which of these AWS services can be used to deploy applications to on premise instances?
43. Amazon CloudFront
44. AWS CodeCommit
45. **AWS CodeDeploy**
46. Amazon CloudWatch
47. Which of these are components in the AWS Global Infrastructure? (Select 3)
48. **Edge Locations**
49. Geographic Locations
50. Servers
51. **Availability Zones**
52. **Regions**
53. Which of these is a recommended file share service for High-performance computing (HPC) and media processing use cases?
54. Amazon S3
55. Amazon Elastic File System (EFS)
56. Amazon FSx Windows File Servers
57. **Amazon FSx for Lustre**
58. Which of these AWS support plans provides you with a dedicated Technical Account Manager?
59. Developer
60. Business
61. **Enterprise**
62. Basic
63. Which of these is a managed source code version control service provided by AWS?
64. AWS CodeBuild
65. AWS CodePipeline
66. AWS CodeDeploy
67. **AWS CodeCommit**
68. Which of these AWS services is a fast content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to customers globally with low latency?
69. Amazon CloudWatch
70. Amazon SNS
71. **Amazon CloudFront**
72. Route 53
73. Which of these represents the need for an IAM Role?
74. Has User id and password attached to access AWS Resources
75. Has Access keys (access key ID and secret access key) to access AWS Resources
76. **Has Temporary permissions to make AWS service requests**
77. Helps you to manage permissions for multiple IAM users
78. Which of these databases allow you to create tables without creating a database or a schema?
79. Amazon RDS
80. Amazon Aurora
81. Amazon Redshift
82. **Amazon DynamoDB**
83. Which of these is NOT related to an Amazon VPC?
84. **API Gateway**
85. Subnets
86. NAT Gateway
87. Internet Gateway
88. Which of these is a fully managed container orchestration service in AWS?
89. **AWS Elastic Container Service (ECS)**
90. AWS Elastic Beanstalk
91. AWS Fargate
92. AWS Lambda
93. Which of these AWS services allow you to compare cost of running applications in AWS with the cost of running applications on premise?
94. **TCO - Total Cost of Ownership Calculator**
95. AWS Cost Explorer
96. AWS Budgets
97. AWS Simple Monthly Calculator
98. You have to run a fault-tolerant batch program (that can be interrupted) within the next month. You are extremely cost-sensitive. Which of these options would you choose?
99. Reserved Instances
100. On Demand Instances
101. **Spot Instances**
102. Savings Plans
103. Which of these provides a consistent network performance from AWS to on-premises on a private network?
104. **AWS Direct Connect**
105. AWS Managed VPN
106. Internet Gateway
107. NAT Gateway
108. Which of these AWS services can be used to protect your web applications from malicious requests from specific IP Addresses?
109. **AWS WAF (Web Application Firewall)**
110. AWS Cloud HSM (Hardware Security Module)
111. AWS KMS
112. AWS Shield
113. Which of these AWS services enables you to assess, audit, and evaluate the configurations of your AWS resources?
114. **AWS Config**
115. Amazon GuardDuty
116. AWS CloudTrail
117. Amazon CloudWatch
118. Which of these AWS services helps you to connect AWS with on-premises? (Select 2)
119. NAT instance
120. **AWS Managed VPN**
121. **AWS Direct Connect**
122. NAT Gateway
123. Internet Gateway
124. When using Amazon RDS to run a database, which of the following is the customer of AWS responsible for (select 2)?
125. Security of Physical Infrastructure (Hardware, Networking)
126. Installing Operating System
127. **Creating Database Users**
128. Configuration of Physical Infrastructure (Hardware, Networking)
129. **Creating Schema (tables and relationships)**
130. Which of these services automates the discovery of sensitive data at scale and lowers the cost of protecting your data in AWS?
131. AWS Shield
132. Amazon GuardDuty
133. **Amazon Macie**
134. AWS WAF (Web Application Firewall)
135. Which of these AWS support plans provides you with all AWS Trusted Advisor checks? (Select 2)
136. Operations
137. **Business**
138. Developer
139. **Enterprise**
140. Basic
141. Which of these AWS Well-Architected Framework pillars focus on automating infrastructure provisioning with Infrastructure as code?
142. Performance Efficiency
143. Reliability
144. **Operational Excellence**
145. Security
146. Which of these allows internet access from a private subnet?
147. **NAT Gateway**
148. AWS Direct Connect
149. Internet Gateway
150. Security Group
151. Which of these AWS services provides you with a dedicated hardware appliance for managing your keys in AWS?
152. AWS Shield
153. AWS KMS
154. **AWS Cloud HSM (Hardware Security Module)**
155. AWS WAF (Web Application Firewall)
156. Which of these are shared responsibilities between AWS and customer under the Shared Responsibility Model? (Select 2)
157. Controls based on the applications deployed to AWS
158. Adherence of IT Infrastructure with IT security standards
159. Providing information on the AWS IT control environment
160. **Patch Management**
161. **Configuration Management**
162. Which of these are advantages of deploying applications to multiple AWS regions? (SELECT 2)
163. Low Cost
164. **High Availability**
165. High Latency
166. **Low Latency**
167. High Security
168. Which of these are the types of Elastic Load Balancers available in AWS (select 3)?
169. **Classic Load Balancer**
170. Container Load Balancer
171. **Application Load Balancer**
172. Modern Load Balancer
173. **Network Load Balancer**
174. Which of these AWS services helps you get technical expertise from AWS Teams for Enterprise Application Migration and Application Modernization?
175. **AWS Professional Services**
176. AWS Systems Manager
177. AWS Marketplace
178. AWS Service Quotas
179. Access keys (access key ID and secret access key) of an IAM user are used to:
180. Provide users access to content distributed using Amazon CloudFront
181. Access AWS Management Console
182. Get access to services protected by MFA
183. **Make programmatic calls against AWS Services using AWS CLI**
184. Which of these is NOT a pillar in the AWS Well Architected Framework?
185. Operational Excellence
186. Security
187. Reliability
188. **Resilience**
189. Which of these can be used to set up a MySQL database in AWS? (Select 2)
190. Amazon DynamoDB
191. **Amazon EC2**
192. Amazon ElastiCache
193. Amazon Redshift
194. **Amazon RDS**
195. Your compliance needs dictate that you have to run all your EC2 instances on dedicated physical servers. Which of these options would you recommend?
196. **EC2 Dedicated Hosts**
197. On Demand Instances
198. Reserved Instances
199. Spot Instances
200. Which characteristic of the cloud allows you to react quickly as your needs evolve (change)?
201. Performance
202. Resilience
203. **Agility**
204. Operational Excellence
205. Which of these helps you to investigate and quickly identify the root cause of potential security issues?
206. Amazon Macie
207. AWS Artifact
208. **Amazon Detective**
209. Amazon GuardDuty
210. Compared to the traditional approach (data centers), how is cloud different?
211. Increased capital expenditure (capex) and increased operational expenditure (opex)
212. Increased capital expenditure (capex) and reduced operational expenditure (opex)
213. Reduced capital expenditure (capex) and reduced operational expenditure (opex)
214. **Reduced capital expenditure (capex) and increased operational expenditure (opex)**
215. Which of these services is a highly available and scalable cloud Domain Name System (DNS) offered by AWS?
216. **Route 53**
217. Amazon CloudWatch
218. Amazon CloudFront
219. Amazon SNS
220. Which of these AWS services are used to manage keys used for encryption in AWS? (select 2)
221. AWS WAF (Web Application Firewall)
222. Amazon Macie
223. AWS Shield
224. **AWS KMS**
225. **AWS Cloud HSM (Hardware Security Module)**
226. Which of these AWS services provides you with personalized view into the performance and availability of the AWS services underlying your AWS resources?
227. **AWS Personal Health Dashboard**
228. AWS Professional Services
229. AWS Marketplace
230. AWS Systems Manager
231. You design applications in the cloud to be able to automatically recover from failures of one or more components. This is an example of:
232. High Scalability
233. High Performance
234. **Reliability**
235. High Security
236. When using AWS Lambda, which of these do you pay for? (Select 2)
237. **Duration of requests**
238. Number of Servers used
239. **Number of requests**
240. Number of Load Balancers used
241. Number of EC2 instances Provisioned
242. Which of these AWS services provides you with Elasticity - the ability to increase and decrease EC2 instances based on demand?
243. AWS Config
244. Amazon CloudFront
245. Elastic Load Balancing
246. **Amazon EC2 Auto Scaling**
247. Which of these is used to control traffic in and out of a subnet?
248. **Network Access Control List (NACL)**
249. AWS Managed VPN
250. Security Group
251. AWS Direct Connect
252. Which of these is NOT a principle under the Security pillar of AWS Well Architected Framework?
253. Principle of least privilege for least time
254. Protect Data in Transit
255. **Go serverless: Prefer Lambda to EC2!**
256. Security in Depth - Apply security in all layers
257. Which of these is an Object Storage Service in AWS?
258. AWS Storage Gateway
259. Amazon Elastic Block Store (EBS)
260. Amazon Elastic File System (EFS)
261. **Amazon S3**
262. You need to run a web application using 10 EC2 instances for the next 1 year in AWS. Which of these EC2 pricing models would you choose?
263. On Demand Instances
264. **Reserved Instances**
265. EC2 instance families
266. Spot Instances
267. Which of these AWS services can help you to provision EC2 instances in AWS? (Select 2)
268. AWS Serverless Application Model
269. Amazon CloudWatch
270. **AWS Management Console**
271. AWS CodeBuild
272. **AWS Cloud​Formation**
273. Which of these AWS services is an example of a serverless service?
274. AWS Elastic Container Service (ECS)
275. **AWS Lambda**
276. AWS Elastic Beanstalk
277. Amazon EC2
278. Which of these provides low-cost storage for disaster recovery backups which need immediate access when needed?
279. Amazon Elastic Block Store (EBS)
280. AWS Storage Gateway
281. **Amazon S3**
282. Amazon Glacier
283. Which of these provides hybrid storage (AWS + On Premises) for applications running on-premises?
284. Amazon Elastic File System (EFS)
285. Amazon Elastic Block Store (EBS)
286. **AWS Storage Gateway**
287. Amazon S3
288. Which of these is a curated digital catalog that makes it easy to find, test, buy, and deploy the third-party software you want to use?
289. AWS Systems Manager
290. **AWS Marketplace**
291. AWS Professional Services
292. AWS Budgets
293. Which of these AWS services is recommended to handle streaming data in AWS?
294. Amazon SQS
295. Amazon SNS
296. **Amazon Kinesis**
297. Amazon CloudWatch
298. Your enterprise has multiple AWS accounts - one each for every business unit. However, you would want to generate a consolidated bill for all your AWS accounts. Which of these AWS services helps you to generate a consolidated bill for multiple AWS accounts?
299. AWS CloudTrail
300. **AWS Organizations**
301. AWS Trusted Advisor
302. AWS Config
303. Which of these options is recommended for moving hundreds of petabytes of data from on-premises to AWS?
304. AWS Snowball
305. **AWS Snowmobile**
306. AWS Storage Tape Gateway
307. AWS DataSync
308. Which of these provides you with on-demand access to AWS security and compliance reports and select online agreements?
309. Amazon Macie
310. **AWS Artifact**
311. Amazon GuardDuty
312. AWS Security Hub
313. Which of these Amazon RDS features helps you to replicate the database in multiple AZs (Select 2)?
314. Encryption at rest and in transit
315. Automatic software patching
316. Automated scaling
317. **Read replicas**
318. **Multi-AZ deployment**
319. Which of these architectural principles helps you to maintain good performance even if one or more components fail while architecting your cloud applications?
320. Scale horizontally
321. Use Distributed System Best Practices
322. Prefer loosely coupled architectures
323. **Maintain Redundancy**
324. Which of these AWS services provides you with checks to optimize your AWS infrastructure, increase security and performance, reduce your overall costs, and monitor service limits?
325. **AWS Trusted Advisor**
326. AWS Config
327. AWS CloudTrail
328. AWS Organizations
329. Which of these can be used to create network storage that can be attached with only one EC2 instance?
330. Amazon S3
331. Amazon Elastic File System (EFS)
332. AWS Storage Gateway
333. **Amazon Elastic Block Store (EBS)**
334. Which of these payment options gives you the best discount for Reserved instances?
335. Partial Upfront
336. **All Upfront**
337. Nothing Upfront
338. No Upfront

### Set 4

1. Which of these AWS services helps you to implement Continuous Deployment and Delivery in AWS (Select 2)?
2. **AWS CodeDeploy**
3. **AWS CodePipeline**
4. Amazon CloudFront
5. Route 53
6. Amazon CloudWatch
7. Which of these acts as a stateless firewall at the subnet level (Stop traffic from entering the subnet)?
8. Security Group
9. **Network Access Control List (NACL)**
10. AWS Managed VPN
11. AWS Direct Connect
12. Which of these AWS services can be used to store user sessions from web applications?
13. **Amazon ElastiCache**
14. Amazon S3
15. Amazon Redshift
16. Amazon RDS
17. Which of these AWS services gives you real-time guidance to help you provision your resources following AWS best practices?
18. AWS CloudWatch
19. **AWS Trusted Advisor**
20. AWS X-Ray
21. AWS CloudTrail
22. Which of these is the cheapest option to run workloads in AWS?
23. Reserved Instances
24. Savings Plans
25. On Demand Instances
26. **Spot Instances**
27. Which of these AWS services provides you with personalized alerts when AWS is experiencing events that may impact you?
28. AWS Marketplace
29. AWS Professional Services
30. **AWS Personal Health Dashboard**
31. AWS Systems Manager
32. Which of these AWS services provides a serverless approach to building applications in AWS?
33. **AWS Lambda**
34. AWS Elastic Container Service (ECS)
35. Amazon Lightsail
36. AWS Elastic Beanstalk
37. Which of these AWS services helps you to implement infrastructure as code in AWS?
38. AWS CodePipeline
39. **AWS Cloud​Formation**
40. AWS CodeBuild
41. AWS CodeDeploy
42. Which of these AWS services helps you to track the CPU Utilization of an EC2 instance?
43. AWS CloudTrail
44. AWS Config
45. **Amazon CloudWatch**
46. Amazon GuardDuty
47. Which of these helps you provision a logically isolated section of the AWS Cloud where you can launch AWS resources in a virtual network that you define?
48. VPC Subnets
49. API Gateway
50. **Amazon VPC**
51. NAT Gateway
52. You need to run multiple EC2 instances with a software needing a server-bound software license in AWS. Which of these options would you recommend?
53. On Demand Instances
54. Spot Instances
55. **EC2 Dedicated Hosts**
56. Reserved Instances
57. Which of these IAM entities can have policies attached with them?
58. **All of the Above**
59. IAM User
60. IAM Role
61. IAM Group
62. How can you distribute data in Amazon RDS across multiple geographic locations?
63. **Create Read Replica in a different region (compared to master database)**
64. Create Read Replica in a different availability zone (compared to master database)
65. Create Read Replica in the same availability zone as the master database
66. Create Read Replica in the same region as the master database
67. Implementing Continuous Integration and Continuous Delivery to find problems early falls under which of the AWS Well Architected Framework pillars?
68. Performance Efficiency
69. Security
70. Cost Optimization
71. **Operational Excellence**
72. When deploying applications to Amazon EC2 instances, who is responsible for choosing the Guest OS and installing patches to it?
73. **Customer**
74. Does not fall under Shared Responsibility model
75. AWS
76. Shared Responsibility
77. Which of these S3 storage classes is recommended for Long-lived, infrequently accessed data that you would need to be able to access immediately?
78. One Zone-IA
79. **Standard-IA**
80. Standard
81. Glacier
82. Which of these AWS services is a fast, simple, cost-effective data warehousing service?
83. Amazon DynamoDB
84. Amazon ElastiCache
85. **Amazon Redshift**
86. Amazon RDS
87. Which of these AWS services would you reach out to for getting technical expertise and advice from AWS Teams for Application Migration, Application Modernization etc?
88. **AWS Professional Services**
89. AWS Partner Network
90. AWS Marketplace
91. AWS Systems Manager
92. What does Infrastructure as Code refer to in cloud computing?
93. Automating migration of applications from on premises to cloud
94. Automating database and storage migrations from on premises to cloud
95. Automating monitoring of applications
96. **Automating provisioning of infrastructure in the cloud**
97. Which of these can be used to run a custom database on an EC2 instance?
98. Amazon Elastic File System (EFS)
99. AWS Storage Gateway
100. **Amazon Elastic Block Store (EBS)**
101. Amazon S3
102. Your enterprise is moving all your data to AWS. You have about 200 Terabytes of data to be moved. Which of these AWS services would you recommend?
103. AWS Storage Tape Gateway
104. AWS Snowmobile
105. **AWS Snowball**
106. AWS Direct Connect
107. How does AWS help a startup reduce their costs?
108. Startups can pay in monthly installments for infrastructure
109. Startups can buy infrastructure on demand
110. Startups can buy infrastructure ahead of time
111. **Startups can use the Pay-as-you-go model**
112. Which of these S3 storage classes is recommended for archive data that can be accessed in 24 hours when needed?
113. **Glacier Deep Archive**
114. One Zone-IA
115. Glacier
116. Standard
117. Which of these AWS support plans is the cheapest option providing business hour email access to support teams?
118. Business
119. **Developer**
120. Basic
121. Enterprise
122. Which of these is the advantage of deploying applications to AWS?
123. You do not need to worry about encryption
124. **You do not need to guess capacity**
125. You do not need to worry about security
126. Security and Compliance is taken care of by AWS
127. Which of these is NOT a recommended principle for architecting cloud applications?
128. Deploy your applications to multiple AZs
129. Automate recovery from failure
130. Build loosely coupled applications
131. **Use on-premises for backup**
132. Which of these is used to provide temporary access to resources in AWS?
133. IAM Policy
134. IAM Group
135. **IAM Role**
136. IAM User
137. What is a hybrid cloud?
138. None of the above
139. **Using a mix of AWS and on premises to run your applications**
140. Running all your applications on premises
141. Running all your applications in AWS
142. Which of these are discrete data centers in AWS with redundant power, networking, and connectivity?
143. AWS Geographic Locations
144. **AWS Availability Zones**
145. AWS Regions
146. AWS Edge Locations
147. Which of these allow you write code inside your applications (Java, JavaScript, Python, Go etc) to interact with AWS services?
148. AWS Management Console Mobile App
149. AWS Management Console
150. **AWS SDKs**
151. AWS CLI
152. Which of these AWS services provides inventory of your AWS resources including resource history?
153. **AWS Config**
154. Amazon GuardDuty
155. Amazon CloudWatch
156. AWS CloudTrail
157. Which of these is a managed AWS service to automate deployments to Amazon EC2 instances, On-Premises Instances, AWS ECS and AWS Lambda?
158. **AWS CodeDeploy**
159. Amazon CloudFront
160. AWS CodeCommit
161. Amazon CloudWatch
162. Which of these AWS services would you use to check for security groups having unrestricted access (0.0.0.0/0)?
163. **AWS Trusted Advisor**
164. AWS CloudTrail
165. AWS Organizations
166. AWS Config
167. Which of these allow you to privately connect from EC2 instances in your VPC to Amazon S3 and DynamoDB(traffic does not go through internet)?
168. **VPC Endpoint**
169. VPC Peering
170. NAT Gateway
171. VPC Flow Logs
172. Which of these allow you to create tunnels from VPC to on premises with encrypted communication over internet?
173. AWS Direct Connect
174. **AWS Managed VPN**
175. NAT Gateway
176. Internet Gateway
177. Which of these database services is used to create an AWS managed MySQL database with auto-scaling?
178. Amazon EC2
179. **Amazon Aurora**
180. Amazon DynamoDB
181. Amazon Neptune
182. Which of these AWS services helps you to generate a consolidated bill for multiple AWS accounts?
183. AWS Trusted Advisor
184. **AWS Organizations**
185. AWS CloudTrail
186. AWS Config
187. Which of these AWS services helps you to orchestrate Docker containers in AWS?
188. AWS Lambda
189. **AWS Elastic Container Service (ECS)**
190. AWS Fargate
191. AWS Elastic Beanstalk
192. You do not want to allow HTTP calls into your EC2 instances. Which of these can you make use of?
193. EC2 instance families
194. **Security Groups**
195. Amazon Machine Image (AMI)
196. Elastic IP
197. Which of these are monitoring services in AWS? (Select 2)
198. **AWS X-Ray**
199. **Amazon CloudWatch**
200. Amazon DynamoDB
201. Amazon CloudFront
202. AWS Lambda
203. Which of these architectural principles helps you to avoid cascading failures while architecting your cloud applications?
204. Scale horizontally
205. Automate recovery from failure
206. Maintain Redundancy
207. **Prefer loosely coupled architectures**
208. Which of these AWS services is a dedicated, single-tenant managed service for managing your keys in AWS?
209. **AWS Cloud HSM (Hardware Security Module)**
210. AWS Shield
211. AWS KMS
212. AWS WAF (Web Application Firewall)
213. You need to quickly run a web application continuously for 15 days. Which of these options would you choose?
214. Savings Plans
215. Reserved Instances
216. Spot Instances
217. **On Demand Instances**
218. Which of these is self-service portal for on-demand access to AWS compliance reports, certifications, accreditations, and other third-party attestations?
219. **AWS Artifact**
220. AWS Security Hub
221. Amazon GuardDuty
222. Amazon Macie
223. Which of these can be used to share a file system between multiple EC2 instances?
224. Amazon Elastic Block Store (EBS)
225. **Amazon Elastic File System (EFS)**
226. Amazon S3
227. AWS Storage Gateway
228. Which of these are IAM Best Practices (Select 2)?
229. Share IAM User credentials
230. **Grant least privilege**
231. Use Root User Regularly for IAM operations
232. Use IAM User to give access to AWS Resources for Amazon EC2 Instances
233. **Configure a strong password policy**
234. Which of these provides a consolidated view of your security status in AWS?
235. **AWS Security Hub**
236. Amazon Macie
237. Amazon GuardDuty
238. AWS Artifact
239. Which of these AWS services make use of the edge locations to distribute content nearer to your users?
240. Amazon CloudWatch
241. **Amazon CloudFront**
242. Amazon EC2
243. Amazon SNS
244. Which of these sits between public subnet (VPC) resources and the internet (provides access to the internet to and from public subnet resources)?
245. NAT Gateway
246. **Security Group**
247. Internet Gateway
248. NAT instance
249. Which of these allow you to execute commands and create scripts to interact with AWS services from the command line?
250. AWS SDKs
251. **AWS CLI**
252. AWS Management Console Mobile App
253. AWS Management Console
254. You are currently delivering static content from an EC2 instance. Which of these options will you recommend to efficiently deliver static content with low latency to global users?
255. Create a static website using an S3 bucket
256. Run the static website using AWS Lambda
257. **Create a static website using an S3 bucket and distribute content to edge locations using CloudFront**
258. Add load balancing using ELB
259. Which of these AWS services provides a publish-subscribe mechanism to allow subscribers to receive event notifications?
260. **Amazon SNS**
261. Amazon SQS
262. Amazon Kinesis
263. Amazon CloudWatch
264. Which of these AWS services allow you to automatically increase and decrease the number of EC2 instances based on the number of users using your application?
265. **AWS Auto Scaling**
266. Elastic Load Balancing
267. AWS Lambda
268. AWS CloudTrail
269. Which of these is a fully managed data security and privacy service that uses machine learning to identify sensitive data?
270. AWS WAF (Web Application Firewall)
271. AWS Shield
272. Amazon GuardDuty
273. **Amazon Macie**
274. Which of these is a private dedicated network connection from AWS to on premises?
275. **AWS Direct Connect**
276. Internet Gateway
277. NAT Gateway
278. AWS Managed VPN
279. Which of these databases supports relational databases with tables and SQL queries(Select 2)?
280. Amazon DynamoDB
281. Amazon ElastiCache
282. **Amazon Redshift**
283. **Amazon RDS**
284. Amazon Neptune
285. Which of these AWS services allow you to run ad-hoc queries against Amazon S3 without provisioning a cluster?
286. **Amazon Athena**
287. Amazon DynamoDB
288. Amazon EMR
289. Amazon Redshift
290. Which of these AWS services can be used to protect your web applications from OWASP Top 10 exploits like SQL injection, cross-site scripting(XSS)?
291. AWS Shield
292. AWS Cloud HSM (Hardware Security Module)
293. AWS KMS
294. **AWS WAF (Web Application Firewall)**
295. How can you increase security for your AWS users logging in through AWS Management Console?
296. **Enable MFA**
297. Rotate security credentials regularly
298. Grant least privilege
299. Configure a strong password policy
300. Which of these AWS services helps you to buy and deploy licensed software services using flexible pricing options?
301. **AWS Marketplace**
302. AWS Professional Services
303. AWS Budgets
304. AWS Systems Manager
305. Which of these AWS services are auto-scaling by default(Select 2)?
306. Amazon Elastic Block Store (EBS)
307. **Amazon Elastic File System (EFS)**
308. Amazon RDS
309. Amazon EC2
310. **Amazon S3**
311. Which of these are inherited controls (controls that a customer fully inherits from AWS) under the shared responsibility model?
312. Configuration Management
313. **Physical and environmental controls**
314. Patch Management
315. Awareness & Training
316. Which of these can help you to increase the availability of an application in AWS? (Select 2)
317. **Deploy EC2 instances to multiple availability zones**
318. Deploy EC2 instances to multiple edge locations
319. Deploy EC2 instances in a single region
320. **Deploy EC2 instances to multiple regions**
321. Deploy EC2 instances in a single availability zone
322. Which of these AWS services allow you to visualize, understand, and manage your AWS costs and usage over a daily or monthly granularity?
323. AWS CloudTrail
324. AWS Budgets
325. AWS Trusted Advisor
326. **AWS Cost Explorer**
327. Which of these databases supports usecases needing predefined schema and very strong transactional capabilities?
328. Amazon DynamoDB
329. Amazon Redshift
330. **Amazon RDS**
331. Amazon ElastiCache

### Set 5

1. Compared to the traditional approach (data centers), how is cloud different?
2. Increased capital expenditure (capex) and reduced operational expenditure (opex)
3. **Reduced capital expenditure (capex) and increased operational expenditure (opex)**
4. Reduced capital expenditure (capex) and reduced operational expenditure (opex)
5. Increased capital expenditure (capex) and increased operational expenditure (opex)
6. Which of these is a recommended cloud computing best practice for ensuring elasticity?
7. Provision infrastructure based on your past projections
8. Provision infrastructure based on your future evaluations of needs
9. **Provision infrastructure based on the number of active users using the application**
10. Provision infrastructure based on your experience in your data centers
11. Which of these are the most components in the AWS Global Infrastructure? (Select 3)
12. **Regions**
13. Geographic Locations
14. **Availability Zones**
15. **Edge Locations**
16. Servers
17. You design applications in the cloud to be able to automatically recover from failures of one or more components. This is an example of:
18. High Performance
19. High Scalability
20. **Reliability**
21. High Security
22. Which of these are advantages of deploying applications to multiple AWS regions? (SELECT 2)
23. **Low Latency**
24. **High Availability**
25. High Security
26. High Latency
27. Low Cost
28. Which of these AWS services provides you with an option to easily create web applications deployed on EC2 instances with load balancing and auto-scaling features?
29. Elastic Load Balancing
30. AWS Auto Scaling
31. **AWS Elastic Beanstalk**
32. AWS Elastic Container Service (ECS)
33. Which of these AWS services is an example of a serverless service?
34. AWS Elastic Beanstalk
35. AWS Elastic Container Service (ECS)
36. **AWS Lambda**
37. Amazon EC2
38. Which of these is a virtual firewall to control incoming and outgoing traffic to/from AWS resources (EC2 instances, databases etc)?
39. Amazon Machine Image (AMI)
40. EC2 instance family
41. **Security Group**
42. Elastic IP
43. You need to run a web application using 10 EC2 instances for the next 3 years in AWS. Which of these EC2 instance options would you choose?
44. On Demand Instances
45. Spot Instances
46. **Reserved Instances**
47. EC2 instance families
48. When do you go for EC2 spot instances? (Select 2)
49. **Your workloads can be stopped at a minute's notice and can continue from where they stopped**
50. Your workloads are immediate
51. Your workloads are NOT fault tolerant
52. Your workloads cannot be stopped
53. **Your workloads are non immediate**
54. You need to quickly run a mission-critical batch program that cannot be interrupted. Which of these options would you choose?
55. **On Demand Instances**
56. Spot Instances
57. Reserved Instances
58. Savings Plans
59. When deploying applications to Amazon EC2 instances, which of the following is the customer responsible for (select 2)?
60. Configuration of Physical Infrastructure (Hardware, Networking)
61. Security of Physical Infrastructure (Hardware, Networking)
62. Configuration of Virtualization Layer (Hypervisor, Host OS)
63. **Choosing Guest OS (Linux) and Installing patches**
64. **Deploying your application code**
65. How can you distribute data in Amazon RDS across multiple availability zones? (Select 2)
66. **Create Read Replica in a different availability zone (compared to master database)**
67. Create Read Replica in the same availability zone as the master database
68. Enable Encryption at rest and in transit
69. **Create a Multi-AZ deployment with a standby database**
70. Use Amazon RDS Reserved Instances
71. When using AWS Lambda, which of these do you pay for? (Select 2)
72. Number of Servers used
73. Number of Load Balancers used
74. **Number of requests**
75. **Duration of requests**
76. Number of EC2 instances Provisioned
77. Which of these storage services can be used to host a static web site in AWS?
78. Amazon Elastic Block Store (EBS)
79. **Amazon S3**
80. Amazon Elastic File System (EFS)
81. AWS Storage Gateway
82. Which of these can be used to create a file share to share files between multiple EC2 instances?
83. Amazon Elastic Block Store (EBS)
84. Amazon S3
85. **Amazon Elastic File System (EFS)**
86. AWS Storage Gateway
87. Which of these provides hybrid storage (AWS + On Premises) for applications running on-premises?
88. Amazon Elastic Block Store (EBS)
89. Amazon S3
90. Amazon Elastic File System (EFS)
91. **AWS Storage Gateway**
92. You need to store archives for 20 years for regulatory compliance. Which of these AWS services provides you storage at the LOWEST cost?
93. Amazon Elastic Block Store (EBS)
94. Amazon S3
95. **Amazon Glacier**
96. AWS Storage Gateway
97. Which of these options is recommended for moving hundreds of terabytes of data from on premises to AWS?
98. **AWS Snowball**
99. AWS Snowmobile
100. AWS Direct Connect
101. AWS Storage Tape Gateway
102. Which of these can be used to setup a MySQL database in AWS? (Select 2)
103. **Amazon RDS**
104. **Amazon EC2**
105. Amazon Redshift
106. Amazon DynamoDB
107. Amazon ElastiCache
108. Which of these AWS services is recommended for start up with quickly evolving tables?
109. Amazon RDS
110. Amazon Redshift
111. **Amazon DynamoDB**
112. Amazon ElastiCache
113. Which of these databases is recommended for data-warehousing, reporting and analytics usecases?
114. Amazon RDS
115. **Amazon Redshift**
116. Amazon DynamoDB
117. Amazon ElastiCache
118. Which of these are AWS responsibilities when you are using Amazon RDS to deploy your database (Select 2)?
119. Managing database users
120. **Hardware Maintenance**
121. **OS Installation and Patches**
122. Creating schema (tables, indexes etc)
123. Schema optimization
124. Which of these AWS services can be used to speed up applications by caching database query results?
125. Amazon RDS
126. Amazon Redshift
127. Amazon DynamoDB
128. **Amazon ElastiCache**
129. Which of these is an AWS managed service to allow instances in a private subnet to download software patches while denying inbound traffic from the internet?
130. Internet Gateway
131. **NAT Gateway**
132. NAT instance
133. AWS Direct Connect
134. Which of these is used to control traffic in and out of a subnet?
135. Security Group
136. **Network Access Control List (NACL)**
137. AWS Direct Connect
138. AWS Managed VPN
139. Which of these allows you to connect VPCs from same or different AWS accounts (across regions) to enable private communication between the connected VPCs?
140. **VPC Peering**
141. VPC Flow Logs
142. AWS Direct Connect
143. Security Group
144. Which of these allow you to monitor network traffic and troubleshoot network connectivity issues (NACL and/or Security Groups misconfiguration)?
145. VPC Endpoint
146. VPC Peering
147. **VPC Flow Logs**
148. NAT Gateway
149. Which of these AWS services helps you to connect AWS with on-premises? (Select 2)
150. **AWS Direct Connect**
151. Internet Gateway
152. **AWS Managed VPN**
153. NAT Gateway
154. NAT instance
155. One of the IAM best practices is to provide users with the minimum access they would need to be able to perform their duties. Which of these represents this best practice?
156. **Grant least privilege**
157. Configure a strong password policy
158. Enable MFA for privileged users
159. Rotate security credentials regularly
160. Which of these IAM entities has credentials attached with it (username, password and/or access keys)?
161. **IAM User**
162. IAM Group
163. IAM Role
164. IAM Policy
165. Which of these represents the need for an IAM Role?
166. Has User id and password attached to access AWS Resources
167. Has Access keys (access key ID and secret access key) to access AWS Resources
168. **Has Temporary permissions to make AWS service requests**
169. Helps you to manage permissions for multiple IAM users
170. Which of these are NOT IAM Best Practices (Select 2)?
171. Manage permissions with groups
172. Grant least privilege
173. Configure a strong password policy
174. **Share IAM User credentials**
175. **Use Root User Regularly for IAM operations**
176. Which of these AWS services are used to manage keys used for encryption in AWS? (select 2)
177. **AWS KMS**
178. **AWS Cloud HSM (Hardware Security Module)**
179. AWS Shield
180. AWS WAF (Web Application Firewall)
181. Amazon Macie
182. Which of these AWS services integrates with storage and database services in AWS (Amazon S3, DynamoDB etc) to provide you with options to encrypt your data?
183. **AWS KMS**
184. AWS Shield
185. AWS WAF (Web Application Firewall)
186. Amazon Macie
187. Which of these AWS services can be used to protect Amazon Route 53, CloudFront, EC2 instances and Elastic Load Balancers (ELB) from distributed denial of service (DDoS) attacks?
188. AWS KMS
189. AWS Cloud HSM (Hardware Security Module)
190. **AWS Shield**
191. AWS WAF (Web Application Firewall)
192. Which of these AWS services can be used to protect your web applications from Common Vulnerabilities and Exposures (CVE) - information-security vulnerabilities and exposures?
193. AWS KMS
194. AWS Cloud HSM (Hardware Security Module)
195. AWS Shield
196. **AWS WAF (Web Application Firewall)**
197. Which of these is a threat detection service that continuously monitors for malicious activity and unauthorized behavior to protect your AWS accounts?
198. AWS Shield
199. AWS WAF (Web Application Firewall)
200. Amazon Macie
201. **Amazon GuardDuty**
202. Which of these provides you with access to AWS auditor issued reports, certifications, accreditations and other third-party attestations?
203. **AWS Artifact**
204. AWS Security Hub
205. Amazon Macie
206. Amazon GuardDuty
207. Which of these AWS services enables you to assess, audit, and evaluate the configurations of your AWS resources?
208. AWS CloudTrail
209. **AWS Config**
210. Amazon CloudWatch
211. Amazon GuardDuty
212. Which of these architectural principles helps you to maintain good performance even if one or more components fail while architecting your cloud applications?
213. Prefer loosely coupled architectures
214. Scale horizontally
215. **Maintain Redundancy**
216. Use Distributed System Best Practices
217. You have an application deployed in a single region. You would want to provide low latency access to static content from the application to your global users. Which service would you recommend?
218. **Amazon CloudFront**
219. Amazon CloudWatch
220. Route 53
221. Amazon SQS
222. Which of these AWS services helps you to implement Continuous Integration in AWS (Select 2)?
223. Route 53
224. **AWS CodePipeline**
225. Amazon CloudFront
226. Amazon CloudWatch
227. **AWS CodeBuild**
228. Which of these is a managed source code version control service provided by AWS?
229. AWS CodePipeline
230. **AWS CodeCommit**
231. Amazon CloudWatch
232. AWS CodeDeploy
233. Which of these is a fully managed continuous delivery service that helps you automate your release pipelines for fast and reliable application and infrastructure updates?
234. **AWS CodePipeline**
235. AWS CodeCommit
236. Amazon CloudWatch
237. AWS CodeDeploy
238. Which of these AWS services can help you to provision EC2 instances in AWS? (Select 2)
239. AWS CodeBuild
240. **AWS Cloud​Formation**
241. AWS Serverless Application Model
242. **AWS Management Console**
243. Amazon CloudWatch
244. Which of these AWS services helps you to automate deployment of AWS resources in a controlled, predictable way?
245. Amazon CloudWatch
246. AWS CodeCommit
247. **AWS Cloud​Formation**
248. AWS Config
249. Your enterprise has multiple AWS accounts - one each for every business unit. However, you would want generate a consolidated bill for all your AWS accounts. Which of these AWS services helps you to generate consolidated bill for multiple AWS accounts?
250. **AWS Organizations**
251. AWS Config
252. AWS Trusted Advisor
253. AWS CloudTrail
254. Which of these is NOT a category of checks provided by Trusted Advisor?
255. Cost optimization
256. **Reliability**
257. Performance
258. Service limits
259. Which of these AWS services allow you to be alerted by email or SNS notification when your usage exceeds your budget threshold?
260. **AWS Budgets**
261. AWS Cost Explorer
262. AWS Trusted Advisor
263. AWS CloudTrail
264. Which of these is a curated digital catalog that makes it easy to find, test, buy, and deploy the third-party software you want to use?
265. **AWS Marketplace**
266. AWS Systems Manager
267. AWS Budgets
268. AWS Professional Services
269. Which of these AWS services helps you to run commands and apply patches on a group of Amazon EC2 instances?
270. AWS Marketplace
271. **AWS Systems Manager**
272. AWS Budgets
273. AWS Professional Services
274. Your enterprise does not have in house AWS expertise. Which of these services can help with your cloud migration?
275. AWS Systems Manager
276. **AWS Partner Network**
277. **AWS Professional Services**
278. AWS Abuse team
279. AWS Marketplace
280. Which of these is NOT a pillar in the AWS Well Architected Framework?
281. Operational Excellence
282. Security
283. Reliability
284. **Resilience**
285. Which of these are pillars in the AWS Well Architected Framework (Select 2)?
286. **Operational Excellence**
287. Resilience
288. Provisioning servers
289. **Cost Optimization**
290. Efficiency
291. Which of these AWS Well Architected Framework pillars focus on automating infrastructure provisioning with Infrastructure as code?
292. **Operational Excellence**
293. Security
294. Reliability
295. Performance Efficiency
296. Which of these will you use to authenticate yourselves to make programmatic calls against AWS Services using AWS CLI?
297. **IAM User - Access keys (access key ID and secret access key)**
298. IAM User - User ID and Password
299. IAM Role - Access keys (access key ID and secret access key)
300. IAM Role - User ID and Password
301. Which of these are shared responsibilities between AWS and customer under the Shared Responsibility Model? (Select 2)
302. Adherence of IT Infrastructure with IT security standards
303. Providing information on the AWS IT control environment
304. **Patch Management**
305. **Configuration Management**
306. Controls based on the applications deployed to AWS
307. Which of these are NOT shared responsibilities between AWS and customer under the Shared Responsibility Model? (Select 2)
308. **Adherence of IT Infrastructure with IT security standards**
309. Awareness & Training
310. Patch Management
311. Configuration Management
312. **Controls based on the applications deployed to AWS**
313. Which of these AWS support plans provides you with all AWS Trusted Advisor checks? (Select 2)
314. Basic
315. **Business**
316. Developer
317. Operations
318. **Enterprise**
319. Which of these AWS support plans provides you with 24X7 phone access to Cloud Support Engineers? (Select 2)
320. Basic
321. **Business**
322. Developer
323. Operations
324. **Enterprise**
325. Which of these AWS support plans provides you with a dedicated Technical Account Manager?
326. Basic
327. Business
328. Developer
329. **Enterprise**
330. What does Infrastructure as Code refer to in cloud computing?
331. **Automating provisioning of infrastructure in the cloud**
332. Automating monitoring of applications
333. Automating migration of applications from on premises to cloud
334. Automating database and storage migrations from on premises to cloud
335. Which of these AWS services allow you to automatically increase and decrease the number of EC2 instances based on the number of users using your application?
336. **AWS Auto Scaling**
337. Elastic Load Balancing
338. AWS Lambda
339. AWS CloudTrail
340. Which of these AWS services allow you to compare cost of running applications in AWS with the cost of running applications on premise?
341. AWS Budgets
342. AWS Cost Explorer
343. AWS Simple Monthly Calculator
344. **TCO - Total Cost of Ownership Calculator**