AWS Live Certification

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✓ 1.)Which of the following statements best describe the AWS Personal *1/1
Health Dashboard? Choose any two.

☑ User-specific view on the availability and performance of AWS services, ✓
underlying their AWS resources.

☐ A concise representation of the general status of AWS services

☐ A minute-by-minute update of system outages and service errors on the AWS
global infrastructure

☑ A service that prompts the user with alerts and notifications on AWS scheduled ✓
activities, pending issues, and planned changes.

☐ A rolling log of all service interruptions across the AWS network and records of
incidents persistent for a year

✓ 2.)Which of the following can be used as an additional layer of security to *1/1
using a user name and password when logging into the AWS Console?

◯ Root access privileges

◯ Secondary password

◉ Multi-Factor Authentication (MFA) ✓

◯ Secondary user name

✓ 3.)Your company is planning to move to the AWS Cloud. You need to give *1/1
a presentation on the cost perspective when moving existing resources
to the AWS Cloud. When it comes to Amazon EC2, which of the following
is an advantage when it comes to the cost perspective?

○ Ability to tag instances to reduce the overall cost

○ Having the ability of automated backups of the EC2 instance, so that you don't need
to worry about the maintenance costs.

○ The ability to choose low-cost AMI's to prepare the EC2 Instances

◉ The ability to only pay for what you use ✓

✓ 4.)Your company is planning on moving to the AWS Cloud. Once they *1/1
move to the Cloud is complete, they want to ensure that the right security
settings are put in place. Which of the below tools can assist from
Security compliance? Choose any two.

☑ AWS Inspector ✓

☑ AWS Trusted Advisor ✓

☐ AWS Support

☐ AWS Kinesis

✗ 5.)Which of the following statements regarding billing, cost optimization, *0/1
and cost management in AWS is accurate?

🔘 The AWS Pricing Calculator will work out a revised bill that can reduce the ✗
overall spend by 60% if you commit to a long-term usage plan.

⚪ In AWS Budgets, utilizing Cost and Usage budgets will optimize and reduce the
overall spend by 79%.

⚪ When considering migrating to the cloud, the AWS Total Cost of Ownership (TCO)
calculator is guaranteed to save up to 80% of the cost of running on-premise
infrastructure.

⚪ When using Savings Plans, 72% of savings can be made on Amazon EC2, AWS
Fargate, and AWS Lambda usage.

Correct answer

🔘 When using Savings Plans, 72% of savings can be made on Amazon EC2, AWS
Fargate, and AWS Lambda usage.

✗ 6.)Which of the following is the responsibility of AWS according to the *0/1
Shared Security Model? Choose any three.

☑ Monitoring physical device security ✓

☐ Implementing service organization Control (SOC) standards

☑ Securing edge locations ✓

☑ Managing AWS Identity and Access Management (IAM) ✗

Correct answer

☑ Monitoring physical device security

☑ Implementing service organization Control (SOC) standards

☑ Securing edge locations

✗ 7.)A weather tracking system is designed for tracking weather conditions *0/1
of any particular flight route. Flight travellers all over the world make use
of this information prior to booking their flights. Travellers expect quick
turnaround time in which the weather display & flight booking will happen
which is critical to their business. You have designed this website and are
using AWS Route 53 DNS. The routing policy that you will apply to this
website is

○ GeoLocation routing policy ✗

○ Failover routing policy

○ Multivalue answer routing policy

○ Latency based routing policy

Correct answer

◉ Latency based routing policy

✓ 8.)A department in an organisation has a stipulated monthly expenditure *1/1
limit on their AWS account and is anxious about exceeding it. How best
can they allay this concern?

○ In AWS CloudWatch they ought to create an alarm that triggers each time the
services bill surpasses the limit.

○ Under Billing Preferences > Cost Management Preferences, they should tick the
Receive Free Tier Usage Alerts checkbox.

◉ In AWS Budgets, creating an email alert based on the budget parameters would ✓
suffice.

○ Regularly review their Billing and Cost management dashboard during the course of
the month in the management console.

✓ 9.)Which of the following features can be used to preview changes to be *1/1
made to AWS resource which will be deployed using AWS
CloudFormation template?

○ AWS CloudFormation Drift Detection

◉ AWS CloudFormation Change Sets ✓

○ AWS CloudFormation Stack Sets

○ AWS CloudFormation Intrinsic Functions

✗ 10.)As per the AWS Acceptable Use Policy, penetration testing of EC2 *0/1
instances:

○ Can be performed by the customer, provided they work with the list of services
mentioned by AWS.

○ Are expressly prohibited under all circumstances.

○ May be performed by AWS, and is periodically performed by AWS.

○ May be performed by the customer on their owninstances, only if performed from
EC2 instances.

◉ May be performed by AWS, and will be performed by AWS upon customer ✗
request.

Correct answer

◉ Can be performed by the customer, provided they work with the list of services
mentioned by AWS.

✓ 11.)Which of the following AWS managed database service provides processing power that is up to 5X faster than a traditional MySQL database? *1/1

○ MariaDB

◉ Aurora ✓

○ PostgreSQL

○ DynamoDB

✓ 12.)Which AWS services can be used to store files? Choose two answers. * 1/1

☐ Amazon CloudWatch

☐ Amazon Athena

☐ AWS Config

☑ Amazon Simple Storage Service (Amazon S3) ✓

☑ Amazon Elastic Block Store (Amazon EBS) ✓

✕ 13.)Why is Amazon DynamoDB service best-suited for implementation in *0/1
mobile, Internet of Things (IoT) and gaming applications?

○ DynamoDB has a flexible data model and single-digit millisecond latency

○ Whilst in operation, DynamoDB instances are spread across at least three
geographically distinct centres, AWS Regions

◉ DynamoDB is a fully-managed database instance with no infrastructure   ✕
overheads

○ DynamoDB supports eventual and strongly consistent reads

Correct answer

◉ DynamoDB has a flexible data model and single-digit millisecond latency

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✓ 14.)You have a Web application hosted in an EC2 Instance that needs to *1/1
send notifications based on events. Which of the below services can
assist in sending notifications?

○ AWS EC2

◉ AWS SNS   ✓

○ AWS SQS

○ AWS SES

✓ 15.)If you wanted to take a backup of an EBS Volume, what would you do? *1/1

◉ Create an EBS snapshot ✓

○ Store the EBS volume in DynamoDB

○ Store the EBS volume in an RDS database

○ Store the EBS volume in S3

✓ 16.)Which services allow the customer to retain full administrative privileges of the underlying virtual infrastructure? *1/1

○ Amazon S3

○ Amazon DynamoDB

◉ Amazon EC2 ✓

○ Amazon Lambda

✓ 17.)Which of the following security services can be used to detect users' personal credit card number from data stored in Amazon S3? *1/1

○ AWS Shield

○ Amazon Inspector

○ Amazon GuardDuty

◉ Amazon Macie ✓

✓ 18.)Which of the following services helps provide a connection from on-premises infrastructure to resources hosted in the AWS Cloud? Choose any two. *1/1

☑ AWS Direct Connect ✓

☐ AWS Subnets

☑ AWS VPN ✓

☐ AWS VPC

✓ 19.)Which tool can you use to forecast your AWS spending? * 1/1

◯ AWS Organizations

◯ Amazon Dev Pay

◯ AWS Trusted Advisor

◉ AWS Cost Explorer ✓

✓ 20.)You are working on an e-commerce web application, which is running *1/1
on an EC2 instance and is experiencing a bad performance in browsing
and searching use cases. When heavy load use-cases are running at the
same time. The application monitors highlight a bottleneck in the web
tier.You decide to re-engineer the application code by decoupling the web
tier from the orders heavy workloads. What AWS service can support the
application change?

◉ Amazon SQS ✓

○ Amazon Kinesis Streams

○ AWS Elastic Load Balancing

○ AWS Auto Scaling

✓ 21.)Instances in your private subnet hosted in AWS, need access to *1/1
important documents in S3. Due to the confidential nature of these
documents, you have to ensure that the traffic does not traverse through
the internet.As an architect, how would you implement this solution?

◉ Consider using a VPC Endpoint ✓

○ Move the instances to a public subnet

○ Consider using an EC2 Endpoint

○ Create a VPN connection and access the S3 resources from the EC2 Instance

✓ 22.)You have implemented AWS Cognito services to require users to sign *1/1
in and sign up to your app through social identity providers like Facebook,
Google, etc. Your marketing department wants users to try out the app
anonymously as they think that the current log-in requirement is
excessive and will reduce demand for products and services offered
through the app.What would you suggest to the marketing department in
this regard?

- ◉ Cognito Identity supports guest users for the ability to enter the app and have ✓
  limited access
- ○ This is possible only if we remove the authentication from everywhere
- ○ It's too much of a security risk to allow unauthenticated users access to the app
- ○ A second version of the app will need to be offered for unauthenticated users

✓ 23.)You work in a large organization. Your team creates AWS resources *1/1
such as Amazon EC2 dedicated hosts and reserved capacities that need
to be shared by other AWS accounts. You need an AWS service to
centrally manage these resources so that you can easily specify which
accounts or Organizations can access the resources.Which AWS service
would you choose to meet this requirement?

- ○ IAM
- ○ AWS Single Sign-On
- ◉ Resource Access Manager ✓
- ○ Service Catalog

✓ 24.)You have created REST API using API Gateway. Which of the *1/1
following mechanism can be used to deny specific IP Address from
accessing API Gateway? Choose any two.

☑ Resource Policies ✓

☐ AWS Security Center

☑ AWS WAF ✓

☐ AWS KMS

✓ 25.)A Media firm is saving all its old videos in S3 Glacier Deep Archive. *1/1
Due to a shortage of new video footage, the channel has decided to reuse
all these old videos. Since these are old videos, the channel is not sure of
its popularity & response from users. Channel Head wants to make sure
that these huge size files do not shoot up their budget & for this as an
AWS consultant, you advise them to use S3 intelligent storage class. The
Operations Team is concerned for moving these files to S3 Intelligent-
Tiering storage class.Which of the following actions can be taken to
move objects in Amazon S3 Glacier Deep Archive to S3 Intelligent-Tiering
storage class?

○ Use Amazon S3 Glacier Console to restore objects from S3 Glacier Deep Archive &
then copy these objects to required S3 Intelligent-Tiering storage class.

○ Use Amazon S3 Console to copy these objects from S3 Glacier Deep Archive to
required S3 Intelligent-Tiering storage class.

◉ Use Amazon S3 console to restore objects from S3 Glacier Deep Archive & then ✓
copy these objects to required S3 Intelligent-Tiering storage class.

○ Use Amazon S3 Glacier console to copy these objects to the required S3 Intelligent-
Tiering storage class.

✗ 26.)Your Organization is planning to move their on-premise databases to *0/1
the AWS Cloud, you have been selected to migrate the main productive
database and there are some requirements. The production database
should remain active during the migration. You need to monitor the
progress of the migration. The database is an SQL Server Database you
need to find an easy way to convert the actual schemas to MySQL
schemas.What services could help to achieve this? Choose any two.

☐ AWS DataSync

☐ AWS Server Migration Service Connector

☑ AWS Server Migration Service   ✗

☑ AWS Database Migration Service   ✓

☐ AWS Migration Hub

Correct answer

☑ AWS Migration Hub

☑ AWS Database Migration Service

✓ 27.)You have been asked to create a VPC network topology for your *1/1
company. The VPC network must support both internet-facing and
intranet applications, accessed only over VPN. Both internet-facing and
intranet applications must be able to leverage at least 3 AZs for high
availability. How many subnets must you create within your VPC to
accommodate these requirements?

◉ 6   ✓

○ 4

○ 3

○ 2

✓ 28.) A popular blogging site is planning to save all its data from on-premises to EFS as a redundancy plan. Its on-premises database is constantly updated by the blogging application. You need to ensure that all files saved at EFS using AWS DataSync are validated for data-integrity for each packet. Which of the following will ensure fast transfer for data between on-premise & EFS with data integrity done as per security guidelines? *1/1

○ Disable Verification & perform all data transfer.

◉ Disable verification during initial file transfers & enable it to post the last data transfer. ✓

○ Enable verification during initial file transfers & disable it post last data transfer.

○ Enable Verification & perform all data transfer.

✓ 29.) A company is developing a web application to be hosted in AWS. This application needs a data store for session data. As an AWS Solution Architect, what would you recommend as an ideal option to store session data? Choose any two. *1/1

☑ ElastiCache ✓

☐ CloudWatch

☑ DynamoDB ✓

☐ Elastic Load Balancing

☐ Storage Gateway

✗ 30.)An application with a 150 GB relational database runs on an EC2 *0/1
Instance. While the application is used infrequently with small peaks in
the morning and evening, which storage type would be the most cost-
effective option for the above requirement?

○ Amazon EFS

○ Amazon EBS General Purpose SSD

◉ Amazon EBS Throughput Optimized HDD   ✗

○ Amazon EBS provisioned IOPS SSD

Correct answer

◉ Amazon EBS General Purpose SSD

✓ 31.)A database, hosted using the Amazon RDS service, is getting a lot of *1/1
database queries and has now become a bottleneck for the associating
application. Which action would ensure that the database is not a
performance bottleneck?

○ Setup SNS in front of the database.

◉ Setup ElastiCache in front of the database.   ✓

○ Setup an ELB in front of the database.

○ Setup a CloudFront distribution in front of the database.

✓ 32.)An application sends images to S3. The metadata for these images *1/1
needs to be saved in persistent storage and is required to be indexed.
Which one of the following could be used for the underlying metadata
storage?

○ Amazon Aurora

○ Amazon S3

◉ Amazon DynamoDB ✓

○ Amazon RDS

✓ 33.)Your team is developing a high-performance computing (HPC) *1/1
application. The application resolves complex, compute-intensive
problems and needs a high-performance and low-latency Lustre file
system. You need to configure this file system in AWS at a low
cost.Which method is the most suitable?

◉ Create a Lustre file system through Amazon FSx. ✓

○ Launch a high-performance Lustre file system in Amazon EBS.

○ Create a high-speed volume cluster in an EC2 placement group.

○ Launch the Lustre file system from AWS Marketplace.

✓ 34.)There is an application that consists of frontend and backend EC2 *1/1
Instances behind classic ELBs. The application might not be able to scale
properly. What should be used to scale the application appropriately?
Choose any two.

☐ Replace the Classic ELB with Application ELB.

☑ Use Auto Scaling for the backend instances. ✓

☐ Use Network ELB for both the frontend and backend instances.

☑ Use Auto Scaling for the frontend servers. ✓

✓ 35.)A Solutions Architect is designing a highly scalable system to track *1/1
records. These records must remain available for immediate download
for up to three months and then must be deleted. What is the most
appropriate decision for this use case?

○ Store the files in Amazon Glacier and create a Lifecycle Policy to remove files after
3 months.

◉ Store the files in Amazon S3 and create a Lifecycle Policy to remove files after 3 ✓
months.

○ Store the files in Amazon EFS and create a Lifecycle Policy to remove files after 3
months.

○ Store the files in Amazon EBS and create a Lifecycle Policy to remove files after 3
months.

✕ 36.) You have an application hosted on AWS consisting of EC2 Instances launched via an Auto Scaling Group. You notice that the EC2 Instances are not scaling on demand. Which checks should be done to ensure that the scaling occurs as expected? Choose any two. *0/1

☑ Ensure that you are using Load Balancers. ✕

☐ Ensure that the right metrics are being used to trigger the scale-out.

☑ Check your scaling policies to see whether more than one policy is triggered by an event. ✓

☐ Ensure that AutoScaling health checks are being used.

Correct answer

☑ Ensure that the right metrics are being used to trigger the scale-out.

☑ Check your scaling policies to see whether more than one policy is triggered by an event.

✓ 37.) It is expected that only certain specified customers can upload images to the S3 bucket for a certain period of time. What would you suggest as an architect to fulfil this requirement *1/1

◉ Use pre-signed URLs for uploading the images. ✓

◯ Upload the images to SQS and then push them to the S3 bucket.

◯ Create a secondary S3 bucket. Then, use an AWS Lambda to sync the contents to the primary bucket.

◯ Use ECS Containers to upload the images.

✓ 38.)Currently, a company makes use of EBS snapshots to back up their *1/1
EBS Volumes. As a part of the business continuity requirement, these
snapshots need to be made available in another region. How could this
be achieved?

○ Copy the EBS Snapshot to an EC2 instance in another region.

○ Copy the snapshot to an S3 bucket and then enable Cross-Region Replication for
the bucket.

○ Directly create the snapshot in the other region.

◉ Create Snapshot and copy the snapshot to a new region. ✓

✓ 39.)You need to deploy a machine learning application in AWS EC2. The *1/1
performance of inter-instance communication is very critical for the
application and you want to attach a network device to the instance so
that the performance can be greatly improved. Which option is the most
appropriate to improve the performance?

○ Enable enhanced networking feature in the EC2 instance.

◉ Configure Elastic Fabric Adapter (EFA) in the instance. ✓

○ Attach high-speed Elastic Network Interface (ENI) in the instance.

○ Create an Elastic File System (EFS) and mount the file system in the instance.

❌ 40.)You are responsible for deploying a critical application to AWS. It is *0/1
required to ensure that the controls set for this application meet PCI
compliance. Also, there is a need to monitor web application logs to
identify any malicious activity.Which of the following services could be
used to fulfil this requirement? Choose any three.

☐ AWS Config

☑ Amazon CloudTrail ✓

☑ Amazon Trusted Advisor ✗

☐ Amazon VPC Flow Logs

☑ Amazon CloudWatch Logs ✓

Correct answer

☑ Amazon CloudTrail

☑ Amazon VPC Flow Logs

☑ Amazon CloudWatch Logs

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