Answer Sheet

Q1) From which of the following does Amazon often draw information for certification exam questions?

- ⚪ Security bulletins
- ✅ FAQs

Explanation:-The FAQs of Amazon are very organized and detailed and contain a wealth of information. Amazon has made it clear that this resource is often consulted for exam question creation.

- ⚪ Case studies
- ⚪ Security blogs

Q2) What is the DNS service offered by AWS?

- ⚪ CloudFront
- ✅ Route 53

Explanation:-Route 53 is the AWS DNS service. It got its name from the TCP and UDP port number, 53, that it relies on.

- ⚪ CloudFormation
- ⚪ SQS

Q3) Which is not a typical service or tool associated with HA in AWS?

- ⚪ CloudWatch
- ✅ CloudTrail

Explanation:-Of all of these AWS tools and services, CloudTrail is the least directly tied to high availability in AWS. Remember that CloudTrail is a tool that allows you to closely monitor the API calls that permit clients to configure and interact with AWS.

- ⚪ Auto Scaling
- ⚪ ELB

Q4) Which statement regarding regions in AWS is not correct?

- ⚪ Regions are connected with fast connections to other regions.
- ⚪ There are many regions in North America.
- ⚪ Availability Zones exist inside regions.
- ✅ Regions in North America rely on the presence of the other North American regions.

Explanation:-Regions are independent and do not rely on the presence of other regions. This enhances high availability and fault tolerance.

Q5) What identity in IAM is very similar to a user account but has no credentials associated with it?

- ⚪ Proxy user
- ✅ Role

Explanation:-A role is a powerful alternative to a specific user account. A role is often perfect for use in a scenario where one service must access another service.

- ⚪ Principle
- ⚪ Group

Q6) What instance type offers the greatest possible cost savings?

- ⚪ Dedicated
- ⚪ Reserved
- ✅ Spot

Explanation:-Bidding on instances with spot pricing offers the largest potential savings.

- ⚪ On demand

Q7) Which is not an example of an AWS service that is always free?

- ⚪ CloudFormation
- ⚪ Auto Scaling
- ⚪ IAM
- ✅ EC2

Explanation:-While some AWS services can remain free after the expiration of a Free Tier account, EC2 instances do not.

Q8) What service in AWS assists with your security efforts using roles, users, and groups?

- ⚪ Glacier
- ⚪ EC2
- ✅ IAM

Explanation:-Identity and Access Management (IAM) permits you to use users, roles, and groups in order to maintain security in the cloud.

- ⚪ S3

Q9) What do you use to authenticate access to your EC2 instance?

- ⚪ Telnet
- ⚪ PPTP

✅ Key pairs
Explanation:-With AWS, you use key pairs for secure access to your EC2 instances.
⚪ Lambda

Q10) _____ is the fully managed configuration management service in AWS.

⚪ CloudFormation
✅ OpsWorks
Explanation:-AWS OpsWorks is a configuration management service that provides managed instances of Chef and Puppet. Chef and Puppet are automation platforms that allow you to use code to automate the configurations of your servers. OpsWorks lets you use Chef and Puppet to automate how servers are configured, deployed, and managed across your Amazon EC2 instances or on-premises compute environments.
⚪ CloudWatch
⚪ CloudTrail

Q11) Which is not considered a benefit of orchestration?

⚪ Reduction of friction between different teams
⚪ Improvement of delivery times
✅ Elimination of the need for experimentation
Explanation:-Orchestration does not help eliminate the need for experimentation. In fact, it increases the ability to freely experiment.
⚪ Reduction of overall IT costs

Q12) Why is automation so easily accommodated in AWS?

⚪ Physical systems host the EC2 instances you work with daily.
⚪ Multiple regions facilitate code deployment.
⚪ CloudTrail provides automation templates for you.
✅ All actions can be implemented through API calls.
Explanation:-The use of APIs for everything in AWS provides ease of automation, among other benefits.

Q13) Amazon seeks out attestations from what types of organizations? (Choose two.)

⚪ Subsidiary
✅ Third party
Explanation:-Third-party and independent organizations provide the attestations for AWS.
✅ Independent
Explanation:-Third-party and independent organizations provide the attestations for AWS.
⚪ Dependent

Q14) _____ permits you to use a private connection from your facility to AWS.

⚪ VPC endpoint
⚪ VPC peering
✅ Direct Connect
Explanation:-AWS Direct Connect is a cloud service solution that makes it easy to establish a dedicated network connection from your premises to AWS. Using AWS Direct Connect, you can establish private connectivity between AWS and your data center, office, or colocation environment, which in many cases can reduce your network costs, increase bandwidth throughput, and provide a more consistent network experience than Internet-based connections.
⚪ ClassicLink

Q15) What component allows you to connect privately from your Virtual Private Cloud (VPC) to services you need?

⚪ Direct Connect
⚪ VPN
⚪ CloudFront
✅ VPC endpoint
Explanation:-A VPC endpoint enables you to privately connect your VPC to supported AWS services and VPC endpoint services powered by PrivateLink without requiring an Internet gateway, a NAT device, a VPN connection, or an AWS Direct Connect connection. Instances in your VPC do not require public IP addresses to communicate with resources in the service. Traffic between your VPC and the other service does not leave the Amazon network.

Q16) Which cloud service model does Gmail represent?

⚪ PaaS
⚪ IaaS
✅ SaaS
Explanation:-Gmail is an excellent example of Software as a Service.
⚪ FaaS

Q17) IAM can permit access to accounts that have already been authenticated in another domain or application. What is this called?

⚪ Proxy
✅ Federation
Explanation:-Federation is becoming more and more popular. You might access an AWS resource after being successfully authenticated by a social

media domain, for example.
- ⚪ Proxy trust
- ⚪ Role sharing

Q18) Which of the following is not something Amazon typically provides to AWS customers in the area of compliance?

- ⚪ Security features
- ⚪ Compliance playbooks
- ⚪ Mapping documents
- ✅ Physical host security playbooks

Explanation:-Compliance resources provided to customers include mapping documents, compliance playbooks, and security features.

Q19) Which is not a major category of the AWS discussion forums?

- ⚪ AWS Startups
- ⚪ Amazon Web Services
- ⚪ German Forums
- ✅ AWS Security Alerts

Explanation:-There is no forum for AWS Security Alerts. There are, however, many different language forums and many forums for development-related topics.

Q20) In a high security environment, what should you do with privileged user accounts?

- ✅ Use MFA with these accounts
Explanation:-You should always use Multifactor Authentication, if possible, especially with privileged users.
- ⚪ Share the access keys with other accounts that require access
- ⚪ Create roles that mimic the accounts
- ⚪ Store credentials in an S3 bucket

Q21) Which of the following is a data warehouse solution in AWS?

- ⚪ Aurora
- ⚪ RDS
- ✅ Redshift

Explanation:-Amazon Redshift is a fast, scalable data warehouse that allows you to easily and cost-effectively analyze all your data across your data warehouse and data lake. Redshift delivers 10 times faster performance than other data warehouses by using machine learning, massively parallel query execution, and columnar storage on high-performance disks. You can set up and deploy a new data warehouse in minutes. You can run queries across petabytes of data in your Redshift data warehouse and across exabytes of data in your data lake built on Amazon S3. You can start small for just $0.25 per hour and scale to $250 per terabyte per year, which is less than one-tenth the cost of other solutions.
- ⚪ ElastiCache

Q22) What component related to an EC2 instance do you modify in order to permit the correct traffic types?

- ⚪ Container
- ⚪ VPC
- ⚪ Instance type
- ✅ Security group

Explanation:-Security groups permit you to control traffic to and from your EC2 instances. Remember that security groups are actually attached to the Elastic Network Interfaces (ENIs) that the EC2 instances use.

Q23) What would you use if you have multiple VPCs in AWS and need to communicate between them?

- ⚪ Direct Connect
- ✅ VPC peering

Explanation:-A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them using private IPv4 addresses or IPv6 addresses. Instances in either VPC can communicate with each other as if they were within the same network. You can create a VPC peering connection between your own VPCs or with a VPC in another AWS account. The VPCs can be in different regions (also known as an inter-region VPC peering connection).
- ⚪ Gateway endpoint
- ⚪ ClassicLink

Q24) What learning path is recommended for those in compliance roles in your AWS architecture?

- ⚪ Architect learning path
- ✅ Auditor learning path

Explanation:-The AWS Auditor learning path is designed for those in auditor, compliance, and legal roles who want to learn how their internal operations can demonstrate compliance using the AWS platform. It helps build the skills necessary to understand how to audit solutions on the AWS cloud.
- ⚪ Code learning path
- ⚪ SysOps learning path

Q25) Client responsibilities vary in the Shared Responsibility model based on what major factor?

- ⚪ How much money the customer is willing to spend on support
- ⚪ The amount of customer data intended for cloud storage

✅ Which AWS services the customer chooses to use

Explanation:-AWS customers face varying security responsibilities in AWS, based partly upon which services they choose.

⚪ The number of AWS employees in the region used by the customer

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Q26) _____ Availability Zones (AZs) are located in each region in the AWS global infrastructure.

⚪ One
⚪ Two
✅ At least two

Explanation:-A regions features at least two AZs, primarily for high availability and fault tolerance.

⚪ Three

Q27) Which of the following is associated with an Elastic Network Interface for providing security?

⚪ Subnet
⚪ NACL
✅ Security group

Explanation:-Security groups can help control security of EC2 instances. These groups consist of rules for access. Security groups are associated with ENIs.

⚪ IGW

Q28) Which of the following is true regarding HA in an on-premises data center?

⚪ It is never truly achievable.
⚪ It is typically implemented at a lower cost than in the cloud.
⚪ It is typically implemented throughout the entire data center.
✅ It is typically reserved for only the most mission-critical systems or data.

Explanation:-Often, due to budget concerns, you cannot provide true HA to all systems in an on-premises data center. You can only afford to provide it for the most mission-critical systems.

Q29) Who can act as a dedicated voice for you within AWS and serve as your technical point of contact and advocate?

⚪ Primary solution architect
✅ TAM

Explanation:-Consultative partnerships support specific use cases and applications and include design reviews and architectural guidance. The support team of an Enterprise-level customer includes a designated technical account manager and access to an AWS solutions architect.

⚪ Cloud practitioner
⚪ Concierge

Q30) _____ uses an Edge Location in an AWS region.

⚪ S3
⚪ RDS
⚪ CloudFormation
✅ CloudFront

Explanation:-CloudFront uses Edge Locations for low-latency, efficient delivery of cached content.

Q31) Why might you create many different accounts for one of your AWS engineers?

⚪ To reduce the resources required by IAM
⚪ To provide back doors into the system
⚪ To ensure that you can log activity
✅ To follow the concept of least privilege

Explanation:-The least privilege concept is desired because you should have users with accounts that provide just the right level of control potential over the infrastructure. This can minimize security risks and the likelihood of costly errors.

Q32) Which would not be considered a major benefit of IaaS?

⚪ Reducing CapEx
⚪ Increasing speed and agility
⚪ Leveraging AWS expertise
✅ Eliminating security concerns

Explanation:-Even when you engage in Infrastructure as a Service (IaaS)with AWS, you are still responsible for aspects of securing the infrastructure.

Q33) _____ is the type of billing used in for AWS?

⚪ Pay-for-reservations
✅ Pay-as-you-go

Explanation:-AWS uses a pay-as-you-go pricing model.

⚪ Pay-as-you-terminate
⚪ Pay-as-you-estimate

Q34) Your engineer is concerned about high CPU utilization on several of your EC2 instances. What service should you use to

monter this?

⚪ Trusted Advisor
✅ CloudWatch
Explanation:-CloudWatch is the primary monitoring tool in AWS.
⚪ Service Catalog
⚪ Config

Q35) How is a typical AZ given power in the AWS global infrastructure?

⚪ From a shared public power station
⚪ From generators powered by Amazon
⚪ From a single grid from the highest-performance utility
✅ Via different grids from independent utilities
Explanation:-Power is made as redundant as possible in an Availability Zone (AZ). This might include the use of different grids from independent utilities. Many AZs have the capability to generate their own power.

Q36) Which is not an example of a service that remains free after the Free Tier expiration?

⚪ CloudWatch
⚪ Glacier
✅ EC2
Explanation:-While SNS, Glacier, and CloudWatch can all remain free after the expiration of a Free Tier account, EC2 does not.
⚪ SNS

Q37) Which of the following is an AWS NoSQL database solution that is often used with the IoT?

⚪ Snowball
✅ DynamoDB
Explanation:-DynamoDB is the AWS NoSQL option for high-performance database work. DynamoDB is often used with large online gaming and IoT solutions.
⚪ Aurora
⚪ Glacier

Q38) Amazon is interested in offering you high levels of confidentiality with your data in AWS. What is a key technology area that accommodates this?

⚪ Fault tolerance
⚪ Hashing
✅ Encryption
Explanation:-Encryption ensures that AWS data cannot be understood by someone who might acquire the data.
⚪ Authentication

Q39) Which is not a fundamental cost in AWS?

⚪ Data transfer out
⚪ Storage
✅ Data transfer in
Explanation:-Compute, storage, and data transfer out are all fundamental costs in AWS.
⚪ Compute

Q40) Which statement regarding the AWS documentation is false?

⚪ The documentation is accessed online.
⚪ The documentation consists of user guides and references broken down by topic.
✅ You cannot access the documentation of AWS without at least a Free Tier account.
Explanation:-You do not have to have an account to access the AWS documentation.
⚪ The AWS documentation is carefully categorized to assist your usage.

Q41) Which of the following are cost calculators available in AWS? (Choose two.)

⚪ AWS Cost Comparison Calculator
✅ AWS Simple Monthly Calculator
Explanation:-Two very popular cost calculators for AWS are TCO Calculator and AWS Simply Monthly Calculator.
⚪ AWS Fee Estimator
✅ TCO Calculator
Explanation:-Two very popular cost calculators for AWS are TCO Calculator and AWS Simply Monthly Calculator.

Q42) The AWS Shared Responsibility model divides security responsibilities between which two parties? (Choose two.)

✅ AWS
Explanation:-In the Shared Responsibility model, AWS and the customer of AWS share the security responsibilities.
⚪ AWS partner
✅ AWS customer
Explanation:-In the Shared Responsibility model, AWS and the customer of AWS share the security responsibilities.

● Community cloud vendor

Q43) Where should firewalling be accomplished in a web hosting design in AWS?

● For all access layer functions
● At the core
✅ At all design layers
Explanation:-Thanks to the robust capabilities of firewalling in AWS web hosting designs, this security measure can be implemented at all layers of the design.
● At the perimeter

Q44) What minimal level of support gives you access to a TAM?

● Developer
● Basic
✅ Enterprise
Explanation:-The Enterprise level of support provides TAM access.
● Business

Q45) Which of the following is not considered a benefit of automation?

● Reduction in operating costs
● Simpler and faster code deployment
● Reduction in the potential for errors
✅ Reduction in required security measures
Explanation:-Automation can benefit security greatly, but it does not necessarily reduce the number of security measures you must implement.

Q46) Which of the following is not an example of a client responsibility in the AWS Shared Responsibility model?

● Customer data
● Guest operating system
✅ Virtualization software on the host
Explanation:-Amazon takes care of securing the virtualization software they use in their data centers on their host hardware systems.
● Data integrity authentication

Q47) Which of the following is not one of the pillars of the Well-Architected Framework from Amazon?

● Operational excellence
✅ Speed
Explanation:-Security, cost optimization, and operational excellence are all pillars of the Well-Architected Framework. Speed is a tremendous advantage when discussing cloud technology (for example, speed in deployment, speed in innovation), but it is not one of the pillars of the Well-Architected Framework.
● Cost optimization
● Security

Q48) Ensuring that you have traceability is critical in AWS. Traceability typically falls under what AWS design pillar?

● Performance efficiency
✅ Security
Explanation:-A huge advantage with AWS is the fact that you have traceability of API calls throughout the architecture. This means you can conduct intense audits and analyses of activities, including those that might be unauthorized. The traceability characteristic falls under the security pillar.
● Cost optimization
● Operational excellence

Q49) Which of the following is not a type of EC2 purchase plan?

● Spot
● Reserved
✅ Virtual only
Explanation:-EC2 instances can be purchased in the default on-demand manner, they can be reserved, or you can bid on capacity with spot instances.
● On demand

Q50) _____ acts as your own cloud expert in AWS, providing recommendations for greater security based on your existing configurations.

● Cognito
● Artifact
● EC2
✅ Trusted Advisor
Explanation:-AWS Trusted Advisor inspects the AWS environment and makes recommendations for saving money, improving system performance and reliability, and closing security gaps. Since 2013, AWS customers have viewed more than 1.7 million best-practice recommendations in AWS Trusted Advisor in the categories of cost optimization, performance improvement, security, and fault tolerance, and they have realized over $300 million in estimated cost reductions.

Q51) What is the result of orchestration?

✅ A consolidated process or workflow
Explanation:-Orchestration is often the result of sophisticated workflows and processes of many automated tasks and processes.
⚪ An environment that can be replicated easily on any public cloud platform
⚪ Alignment of all required tasks in an independent execution environment
⚪ An architecture guaranteed to be free of errors

Q52) What is a central resource for compliance-related AWS information?

⚪ ProtectGuard
⚪ Lambda
✅ Artifact
Explanation:-AWS Artifact is your go-to central resource for compliance-related information that matters to you. It provides on-demand access to AWS's security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls.
⚪ CodeLearn

Q53) How many discrete data centers are located in an AZ in the AWS global infrastructure?

⚪ At least four
⚪ At least two
⚪ At least three
✅ At least one
Explanation:-There is at least one discrete data center in an Availability Zone (AZ). Some AZs have more than one.

Q54) CloudWatch falls into which category of management options?

✅ Monitoring and logging
Explanation:-CloudWatch and CloudTrail are monitoring and logging tools.
⚪ Managed services for configuration
⚪ Provisioning
⚪ Operations management

Q55) How long is the Free Tier period, by default?

⚪ 6 months
✅ 1 year
Explanation:-The Free Tier account has a default duration of 1 year.
⚪ 3 months
⚪ 2 years

Q56) Which is not a common category of IT security controls in the AWS Shared Responsibility model?

✅ Deferred
Explanation:-Deferred is not a category in the Shared Responsibility model.
⚪ Shared
⚪ Customer specific
⚪ Inherited

Q57) Where can you find third-party products for use with AWS?

⚪ IEEE standards docs
⚪ Wikipedia.org
⚪ NIST standards
✅ AWS Marketplace
Explanation:-The AWS Marketplace allows you to purchase a wide range of products for use with AWS, including operating systems, security products, and networking technologies.

Q58) What two support plans offer response times of 1 hour or less? (Choose two.)

⚪ Basic
✅ Business
Explanation:-The Enterprise and Business plans offer response times of 1 hour or less.
✅ Enterprise
Explanation:-The Enterprise and Business plans offer response times of 1 hour or less.
⚪ Developer

Q59) Why does AWS guarantee your exchange rate with AWS Billing and Cost Management?

⚪ To optimize your costs for resources
⚪ To save you costs
⚪ To minimize the number of transactions in the system

✅ To ensure that any refund uses the same exchange rate as the original transaction
Explanation:-If a refund occurs, it needs to use the same exchange rate as the original transaction.

Q60) Which of the following is not an example of an Amazon responsibility in the AWS Shared Responsibility model?

⚫ Edge locations
⚫ Cloud software
⚫ Physical security of the data center
✅ IAM policies
Explanation:-Identity and Access Management (IAM) policies are an AWS customer responsibility.

Q61) What service in AWS allows core checks to be performed by any customer, regardless of support plan level?

⚫ CloudTrail
⚫ CloudFormation
⚫ CloudFront
✅ Trusted Advisor
Explanation:-The Trusted Advisor service, which aids in management and operation of AWS, is available with all support plans.

Q62) How does Amazon design each AZ in the AWS global infrastructure?

⚫ As being dependent on at least one other AZ
⚫ To exist outside a region
✅ As an independent failure domain
Explanation:-Each Availability Zone (AZ) is designed to be an independent failure domain.
⚫ To be located in the largest city in a region

Q63) What is required in order to post questions to the official discussion forums of AWS?

⚫ The Enterprise support plan
✅ An AWS account
Explanation:-Forum access requires an AWS account—even a Free Tier account.
⚫ No special requirement exists
⚫ The Desktop support plan

Q64) What component does the Budgets tool in AWS use for visualization?

⚫ Excel
⚫ Tableau
⚫ AWS GraphSage
✅ Cost Explorer
Explanation:-Cost Explorer can help you in budgeting and planning for your AWS expenditures.