**AWS Premier League QUIZ 3 (Quiz)**

Week 3 Topics - Monitoring Analytics, Pricing and Support, Migration and Innovation

Week 1 – Questions

1. Which cloud computing model gives the IT department the highest level of flexibility and management control?

1. On-premises cloud
2. Platform as a Service (PaaS)
3. Software as a Service (SaaS)
4. Infrastructure as a Service (IaaS)

**Answer: D. Infrastructure as a Service (IaaS)**

2. Which cloud computing advantage is a company applying when it uses AWS Regions to increase application availability to users in different countries?

1. Pay-as-you-go pricing
2. Capacity forecasting
3. Economies of scale
4. Global reach

**Answer: D. Global reach**

3. Which AWS services offer compute capabilities? (Choose two)

1. Amazon EC2
2. Amazon S3
3. Amazon Elastic Block Store (Amazon EBS)
4. AWS Lambda

**Answer: A. Amazon EC2, D. AWS Lambda**

4. Which of the following AWS features enables a user to launch a pre-configured Amazon Elastic Compute Cloud (Amazon EC2) instance?

1. Amazon Elastic Block Store (Amazon EBS)
2. Amazon Machine Image
3. Amazon EC2 Systems Manager
4. Amazon AppStream 2.0

**Answer: B. Amazon Machine Image**

5. Which aspect of AWS infrastructure enables global deployment of compute and storage?

1. Availability Zones
2. Regions
3. Tags
4. Resource groups

**Answer: B. Regions**

Week 2 – Questions

6. Which feature can be used to protect Amazon S3 buckets from accidental overwrites or deletes?

1. Lifecycle policy
2. Object versioning
3. Server-side encryption
4. Bucket ACL

**Answer: B. Object versioning**

7. Which security-related task is the responsibility of the customer in the AWS Cloud?

1. Securing infrastructure at data centers
2. Maintaining firewall configurations at a hardware level
3. Maintaining networking among hardware components
4. Maintaining server-side encryption

**Answer: D. Maintaining server-side encryption**

8. 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

**Answer: A. AWS Direct Connect**

9. Which of the following service can be used to host a Maria DB database on the AWS Cloud?

1. AWS DynamoDB
2. AWS S3
3. AWS RDS
4. AWS Aurora

**Answer: C. AWS RDS**

10. Which of the following AWS service can be used to check as to whether AWS resources hosted in your account are following the best security practices?

1. AWS Trusted Advisor
2. AWS Personal Health Dashboard
3. AWS VPC Flow Logs
4. AWS CloudWatch

**Answer: A. AWS Trusted Advisor**

Week 3 - Questions

11. Which AWS(Amazon Web Service) service can assist with providing recommended actions on cost optimization?

1. AWS Inspector
2. AWS Trusted Advisor
3. Amazon CloudWatch Events
4. AWS Artifact

**Answer: B. AWS Trusted Advisor**

12. An organization has recently migrated to AWS. How can the CTO monitor the organization's costs?

1. AWS Simple Monthly calculator
2. AWS Consolidated Billing
3. AWS CloudTrail
4. AWS Cost Explorer

**Answer: D. AWS Cost Explorer**

13. A company wants to start using the EC2 service. They want to be able to use existing server-bound software licenses. Which of the following pricing model would be best suited for this requirement?

1. Spot Instances
2. Reserves Instance
3. Dedicated Hosts
4. On-demand Instances

**Answer: C. Dedicated Hosts**

14. What is the minimum level of AWS(Amazon Web Service) support that provides 24x7 access to technical support engineers via phone?

1. Basic
2. Enterprise
3. Business
4. Developer

**Answer: C. Business**

15. How does the AWS Enterprise Support Concierge team help users?

1. Supporting application development
2. Providing architecture guidance
3. Answering billing and account inquires
4. Answering questions regarding technical support cases

**Answer: C. Answering billing and account inquires**

16. Your company is hosting mission critical application on AWS and would like an SLA of less than 15 minutes for business-critical system down events. Which AWS support plan would help provide the same?

1. Basic
2. Developer
3. Enterprise
4. Business

**Answer: C. Enterprise**

17. A company is migrating an application that is running non-interruptible workloads for a three-year time frame. Which pricing construct would provide the MOST cost-effective solution?

1. Amazon EC2 Spot Instances
2. Amazon EC2 Dedicated Instances
3. Amazon EC2 On-Demand Instances
4. Amazon EC2 Reserved Instances

**Answer: D. Amazon EC2 Reserved Instances**

18. A company is planning to migrate from on-premises to the AWS Cloud. Which AWS tool or service provides detailed reports on estimated cost savings after migration?

1. AWS Total Cost of Ownership (TCO) Calculator
2. Cost Explorer
3. AWS Budgets
4. AWS Migration Hub

**Answer: A. AWS Total Cost of Ownership (TCO) Calculator**

19. A company wants to migrate their applications from on-premises to AWS cloud. Which AWS service would support docker containers?

1. Amazon EC2
2. Amazon Elastic Container Service (Amazon ECS)
3. AWS LightSail
4. AWS Batch

**Answer: B. Amazon Elastic Container Service (Amazon ECS)**

20. A user is planning to migrate an application workload to the AWS Cloud. Which control becomes the responsibility of AWS once the migration is complete?

1. Patching the guest operating system
2. Maintaining physical and environmental controls
3. Protecting communications and maintaining zone security
4. Patching specific applications

**Answer: B. Maintaining physical and environmental controls**

21. Which of the following are benefits of using AWS Trusted Advisor? (Choose two.)

1. Providing high-performance container orchestration
2. Creating and rotating encryption keys
3. Detecting underutilized resources to save costs
4. Improving security by proactively monitoring AWS environment

**Answer: C. Detecting underutilized resources to save costs, D. Improving security by proactively monitoring AWS environment**

22. An external auditor requests a log of all accesses to the AWS(Amazon Web Service) resources in the company's account. Which of the following services provides such information?

1. AWS CloudTrail
2. Amazon CloudFront
3. AWS CloudWatch
4. Amazon CloudFormation

**Answer: A. AWS CloudTrail**

23. How can you configure Amazon Route 53 to monitor the health and performance of your application?

1. Using CloudWatch
2. Using Route 53 health checks
3. Using DNS lookups
4. Using the Route 53 API

**Answer: B. Route 53 health checks**

24. Which AWS service is used to monitor usage and budget costs?

1. AWS Billing and Cost Management
2. Consolidated billing
3. Amazon CloudWatch
4. Amazon Quick Sight

**Answer: A. AWS Billing and Cost Management**

25. Which service can you use to monitor, store and access log files generated by EC2 instances and on-premises servers?

1. Amazon Kinesis
2. AWS OpsWorks
3. Amazon CloudWatch Logs
4. Amazon CloudTrail

**Answer: C. Amazon CloudWatch Logs**

26. What types of monitoring can Amazon CloudWatch be used for? (choose 2)

1. Operational health
2. Application performance
3. API access
4. Data Center

**Answer: A. Operational health, B. Application performance**

27. Which service helps you by collecting important metrics from a running EC2 instance?

1. AWS CloudTrail
2. AWS CloudFormation
3. AWS CloudWatch
4. AWS Inspector

**Answer: C AWS CloudWatch**

28. Which AWS service helps identify malicious or unauthorized activities in AWS accounts and workloads?

1. Amazon Rekognition
2. AWS Trusted Advisor
3. Amazon GuardDuty
4. Amazon CloudWatch

**Answer: C. Amazon GuardDuty**

29. Which AWS service should be used to create a billing alarm?

1. AWS Trusted Advisor
2. AWS CloudTrail
3. Amazon CloudWatch
4. Amazon QuickSight

**Answer: C. Amazon CloudWatch**

30. Which service provides visibility into user activity by recording actions taken on your account?

1. Amazon CloudWatch
2. Amazon CloudFormation
3. Amazon CloudHSM
4. Amazon CloudTrail

**Answer: D. Amazon CloudTrail**