1- A. Creating versions of Lambda functions

\*Lambda functionda kullandığımız kodun versiyonlamasından bahseder

2- B. A primary point of contact for AWS Billing and AWS Support

A primary point of contact for AWS Billing and AWS Support: The Concierge Support team acts as a single point of contact for customers, assisting them with their billing inquiries and coordinating support-related activities.

3- D. AWS Cost and Usage Reports

\*Detaylı billing and usage report alırız.

4- D. AWS X-Ray

Trace user requests through your application while meeting your security and compliance objectives.

AWS X-Ray provides a complete view of requests as they travel through your application and filters visual data across payloads, functions, traces, services, APIs, and more with no-code and low-code motions.

5- C. Amazon Redshift

Key: warehouse, petabyte-scale data

6- B. AWS Identity and Access Management (IAM)

Free service

7- C. Configure the architecture across multiple AWS Regions.

Key: disaster recovery, multiple geographic areas(multi-region)

8- A. Compute instances can be launched and terminated as needed to optimize costs.

9- A. AWS replaces upfront capital expenditures with pay-as-you-go costs.

D. AWS uses economies of scale to continually reduce prices.

10- A. Amazon GuardDuty

Amazon GuardDuty is a threat detection service that continuously monitors your AWS accounts and workloads for malicious activity and delivers detailed security findings for visibility and remediation.

Key: security threats, threat detection

11- B. Designated support from an AWS technical account manager (TAM)

12- A. Encrypt data that is stored in Amazon DynamoDB.

13- C. Cost Explorer

Key: spending and usage over time

14- C. AWS Outposts

Keys: regulatory requirements, data must remain local and on premises, must be low latency

15- B. Create a separate VPC to host the resources.

16- C. Amazon Route 53

Key:DNS

17- B. Enable multi-factor authentication (MFA) for the root user.

You should protect your root user credentials like you would your credit card numbers or any other sensitive secret and use them for only the tasks that require them. Here are some ways to protect your root user credentials:

* Enable AWS multi-factor authentication (MFA) on your AWS account root user. For more information, see [Using multi-factor authentication (MFA) in AWS](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_mfa.html) in the IAM User Guide.
* Never share your AWS account root user password or access keys with anyone.
* Use a strong password to help protect access to the AWS Management Console. For information about managing your AWS account root user password, see [Changing the password for the root user](https://docs.aws.amazon.com/accounts/latest/reference/root-user-password.html).

We strongly recommend that you use the root user for only the following tasks:

* Create an administrative user in AWS IAM Identity Center (successor to AWS Single Sign-On) for daily tasks. For details about how to do this, see [Getting started](https://docs.aws.amazon.com/singlesignon/latest/userguide/getting-started.html) in the IAM Identity Center User Guide.
* Perform those tasks that can be performed by **only** the root user. For the complete list of these tasks, see [Tasks that require root user credentials](https://docs.aws.amazon.com/accounts/latest/reference/root-user-tasks.html).

18- B. AWS Systems Manager Session Manager

Key: instead of opening inbound SSH ports and managing SSH keys

19- D. All upfront payment

Note: All upfront her zaman en ucuzu

20- B. Amazon EC2

Key: maintain full control over the operating system, database installation, and configuration

Note: tam tersini/managed bir servis isteseydi RDS olacaktı

21- D. The AWS infrastructure consists of isolated AWS Regions with independent Availability Zones that are connected with low-latency networking and redundant power supplies.

22- B. Elasticity

\*Elasticity artan ihtiyaca cevap verebilme yeteneği

23- A. Amazon Simple Notification Service (Amazon SNS)

Amazon Simple Notification Service (Amazon SNS) is a fully managed messaging service for both application-to-application (A2A) and application-to-person (A2P) communication.

The A2A pub/sub functionality provides topics for high-throughput, push-based, many-to-many messaging between distributed systems, microservices, and event-driven serverless applications. Using Amazon SNS topics, your publisher systems can fanout messages to a large number of subscriber systems including Amazon SQS queues, AWS Lambda functions and HTTPS endpoints, for parallel processing, and Amazon Kinesis Data Firehose. The A2P functionality enables you to send messages to users at scale via SMS, mobile push, and email.

24- D. AWS Organizations.

Key: master payer account , consolidated billing reports

25- D. Updating the guest operating system on Amazon EC2 instances

Key: sudo yum update (linux)

26- B. Amazon Lightsail

Key: limited operational knowledge

27- C. Testing recovery procedures

28- B. Amazon DynamoDB

Key: non-relational, does not want to manage

29- C. Installing the database engine

Note: RDS te database engine otomatik yüklü gelir bizz sadece hangisini kullanacağımızı ve versiyonunu seçeriz

30- B. Amazon API Gateway

Key: Rest API

31- C. Amazon Rekognition

Keys: identify photos, must build this detection capability with no ML expertise

Amazon Rekognition makes it easy to add image and video analysis to your applications. You just have to provide an image or video to the Amazon Rekognition API, and the service can:

* Identify labels (objects, concepts, people, scenes, and activities) and text
* Detect inappropriate content
* Provide highly accurate facial analysis, face comparison, and face search capabilities

With Amazon Rekognition's face recognition APIs, you can detect, analyze, and compare faces for a wide variety of use cases, including user verification, cataloging, people counting, and public safety.

Amazon Rekognition is based on the same proven, highly scalable, deep learning technology developed by Amazon’s computer vision scientists to analyze billions of images and videos daily. It requires no machine learning expertise to use. Amazon Rekognition includes a simple, easy-to-use API that can quickly analyze any image or video file that’s stored in Amazon S3. It's always learning from new data, and we’re continually adding new labels and facial comparison features to the service.

32- D. Operating system installations.

Note: AWS sadece işletim sisteminin kurulumundan sorumlu(seçilen AMI den kurar), geriye kalan sorumluluk kullanıcıya aittir.

33- C. S3 Standard-Infrequent Access (S3 Standard-IA)

Keys: legacy data, rarely accessed, data is critical and cannot be recreated, retrieval within seconds

Notes: eski veri ve yeniden create edilemeyeceği için One Zone elenir, saniyeler içinde geri alma nedeniyle Glacier olamaz, rarely access olduğu için en ucuz seçenek standart IA.

34- B. Pay-as-you-go pricing

D. Auto Scaling policies

35- D. Amazon Simple Queue Service (Amazon SQS)

Key: loose coupling and reliable messaging between microservices

36- C. AWS Compliance Program

It is a tricky question, both AWS Artifact and AWS Compliance Program are correct for the compliance topic. But the main clue in the question is “DETERMINE which AWS services meet the regional requirements”. AWS Compliance program is described as “helping customers to understand the robust controls in place at AWS to maintain security and compliance in the cloud.”, so the understanding if they meet the requirements before doing anything in AWS: <https://aws.amazon.com/compliance/programs/>

37- A. Amazon Cognito

Keys: identity management, mobile apps

38- A. Standard Reserved Instance

Keys: rightsized server, run constantly for 1 year

39- A. Security groups

40- A. IAM role

Notes: web app > aws service

41- A. Amazon EC2 instances

D. Amazon RDS instances

Note: Database instance patchleri için maintenance window oluşturulur

42- A. Security groups

Keys: ability to control, EC2 instances, incoming traffic and outgoing traffic

A security group acts as a virtual firewall for your EC2 instances to control incoming and outgoing traffic.

43- B. AWS Developer Support

Keys: technical support during business hours, general architectural guidance

44- B. Amazon Route 53

Key: Domain name

45- C. AWS Trusted Advisor

Keys: best practice recommendations

46- D. AWS X-Ray

Keys: view end-to-end performance metrics, troubleshoot distributed applications

47- D. Economies of scale

Benefit from massive economies of scale – By using cloud computing, you can achieve a lower variable cost than you can get on your own. Because usage from hundreds of thousands of customers is aggregated in the cloud, providers such as AWS can achieve higher economies of scale, which translates into lower pay as-you-go prices.

48- C. Amazon GuardDuty

49- C. Amazon Elastic Container Registry (Amazon ECR)

Keys: store, Docker images

50- D. Amazon Inspector

Keys: vulnerabilities

51- C. Use Amazon DynamoDB global tables

Keys: time-tracking mobile app, operate globally, accessible from closest Region

52- A. Increased workforce productivity

E. Faster product launches

Which of the following are economic advantages of AWS cloud?

The main benefits associated with the AWS cloud are: Total cost of ownership (TCO) reduction. Increased employee productivity. Increased business agility.

Note: D şıkkı yanıltıcı; TCO reducing demiyor “accounting” diyor

53- C. Physical and environmental controls

Inherited Controls – the customer fully inherits certain items from AWS, such as the physical and environmental controls of the data centers and their related assets.

54- A. Management of the guest operating systems

55- C. Agility

Keys: deliver new website features quickly, in an iterative manner, minimize the time to market

56- C. Reliability

Keys: ability to recover, natural disaster

57- D. AWS CloudTrail

58- D. AWS Cost Anomaly Detection

Keys: unusual cloud spending

59- A. Auto Scaling groups

60- D. AWS Marketplace

Keys: security software vendor, purchase

61- C. AWS Direct Connect

Key: generating large sets of critical data , dedicated connection

62- C. AWS Business Support

Key: does not need concierge support

63- B. AWS Glue

64- A. Control access to AWS service APIs and to other specific resources.

C. Protect the AWS environment using multi-factor authentication (MFA).

65- A. Resource configuration management

C. Employee awareness and training

Shared Controls – Controls which apply to both the infrastructure layer and customer layers, but in completely separate contexts or perspectives. In a shared control, AWS provides the requirements for the infrastructure and the customer must provide their own control implementation within their use of AWS services. Examples include:

* Patch Management – AWS is responsible for patching and fixing flaws within the infrastructure, but customers are responsible for patching their guest OS and applications.
* Configuration Management – AWS maintains the configuration of its infrastructure devices, but a customer is responsible for configuring their own guest operating systems, databases, and applications.
* Awareness & Training - AWS trains AWS employees, but a customer must train their own employees.