# AWS Set 2 – Corrected Explanations and Alignment with AWS Best Practices

Serial No: 151

* Question: A company is moving an on-premises data center to the AWS Cloud. The company must migrate 50 petabytes of file storage data to AWS with the least possible operational overhead.  
    
  Which AWS service or resource should the company use to meet these requirements?

A. AWS Snowmobile

✅ Correct: AWS Snowmobile is specifically designed for large-scale data transfers (exabyte-scale), making it suitable for transferring 50 PB of data with minimal operational overhead.

B. AWS Snowball Edge

❌ Incorrect: AWS Snowball Edge is suitable for smaller-scale data transfers (in terabytes), not petabytes.

C. AWS Data Exchange

❌ Incorrect: AWS Data Exchange is used for sharing third-party data, not for data migration.

D. AWS Database Migration Service (AWS DMS)

❌ Incorrect: AWS DMS is used for migrating databases, not file storage.

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 152

* Question: A company has an application with robust hardware requirements. The application must be accessed by students who are using lightweight, low-cost laptops.  
    
  Which AWS service will help the company deploy the application without investing in backend infrastructure or high-end client hardware?

A. Amazon AppStream 2.0

✅ Correct: Amazon AppStream 2.0 streams desktop applications to users, allowing use from low-end laptops without needing backend infrastructure.

B. AWS AppSync

❌ Incorrect: AWS AppSync is used for APIs, not desktop application delivery.

C. Amazon WorkLink

❌ Incorrect: Amazon WorkLink is for secure access to internal websites, not for running applications.

D. AWS Elastic Beanstalk

❌ Incorrect: AWS Elastic Beanstalk helps deploy web apps, not stream desktop apps.

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 153

* Question: A company wants to query its server logs to gain insights about its customers’ experiences.  
    
  Which AWS service will store this data MOST cost-effectively?

A. Amazon Aurora

❌ Incorrect: Amazon Aurora is a database service and not cost-effective for log storage.

B. Amazon Elastic File System (Amazon EFS)

❌ Incorrect: Amazon EFS is more expensive than Amazon S3 for storing logs.

C. Amazon Elastic Block Store (Amazon EBS)

❌ Incorrect: Amazon EBS is block storage and not optimal for log analysis.

D. Amazon S3

✅ Correct: Amazon S3 offers cost-effective object storage ideal for storing and analyzing logs.

Correct Answer: D

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 154

* Question: Which of the following is a recommended design principle for AWS Cloud architecture?

A. Design tightly coupled components.

❌ Incorrect: Tightly coupled components reduce fault tolerance.

B. Build a single application component that can handle all the application functionality.

❌ Incorrect: Monolithic apps are less scalable and maintainable.

C. Make large changes on fewer iterations to reduce chances of failure.

❌ Incorrect: Large changes increase failure risk. Smaller iterations are better.

D. Avoid monolithic architecture by segmenting workloads.

✅ Correct: Segmenting workloads improves scalability and maintainability, aligning with AWS design principles.

Correct Answer: D

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 155

* Question: Which AWS service helps users audit API activity across their AWS account?

A. AWS CloudTrail

✅ Correct: [Explanation for A]

B. Amazon Inspector

❌ Incorrect: [Explanation for B]

C. AWS WAF

❌ Incorrect: [Explanation for C]

D. AWS Config

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 156

* Question: Which task is a customer’s responsibility, according to the AWS shared responsibility model?

A. Management of the guest operating systems

✅ Correct: [Explanation for A]

B. Maintenance of the configuration of infrastructure devices

❌ Incorrect: [Explanation for B]

C. Management of the host operating systems and virtualization

❌ Incorrect: [Explanation for C]

D. Maintenance of the software that powers Availability Zones

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 157

* Question: A company wants to automatically add and remove Amazon EC2 instances. The company wants the EC2 instances to adjust to varying workloads dynamically.  
    
  Which service or feature will meet these requirements?

A. Amazon DynamoDB

✅ Correct: [Explanation for A]

B. Amazon EC2 Spot Instances

❌ Incorrect: [Explanation for B]

C. AWS Snow Family

❌ Incorrect: [Explanation for C]

D. Amazon EC2 Auto Scaling

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 158

* Question: A user wants to securely automate the management and rotation of credentials that are shared between applications, while spending the least amount of time on managing tasks.  
    
  Which AWS service or feature can be used to accomplish this?

A. AWS CloudHSM

✅ Correct: [Explanation for A]

B. AWS Key Management Service (AWS KMS)

❌ Incorrect: [Explanation for B]

C. AWS Secrets Manager

❌ Incorrect: [Explanation for C]

D. Server-side encryption

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 159

* Question: Which security service automatically recognizes and classifies sensitive data or intellectual property on AWS?

A. Amazon GuardDuty

✅ Correct: [Explanation for A]

B. Amazon Macie

❌ Incorrect: [Explanation for B]

C. Amazon Inspector

❌ Incorrect: [Explanation for C]

D. AWS Shield

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 160

* Question: Which actions are best practices for an AWS account root user? (Choose two.) E. Use programmatic access instead of the root user and password.

A. Share root user credentials with team members.

✅ Correct: [Explanation for A]

B. Create multiple root users for the account, separated by environment.

❌ Incorrect: [Explanation for B]

C. Enable multi-factor authentication (MFA) on the root user.

❌ Incorrect: [Explanation for C]

D. Create an IAM user with administrator privileges for daily administrative tasks, instead of using the root user.

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 161

* Question: A company is running a critical workload on an Amazon RDS DB instance. The company needs the DB instance to be highly available with a recovery time of less than 5 minutes.  
    
  Which solution will meet these requirements?

A. Create a read replica of the DB instance.

✅ Correct: [Explanation for A]

B. Create a template of the DB instance by using AWS CloudFormation.

❌ Incorrect: [Explanation for B]

C. Take frequent snapshots of the DB instance. Store the snapshots in Amazon S3.

❌ Incorrect: [Explanation for C]

D. Modify the DB instance to be a Multi-AZ deployment.

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 162

* Question: A company plans to migrate its application to AWS and run the application on Amazon EC2 instances. The application will have continuous usage for 1 year.  
    
  Which EC2 instance purchasing option will meet these requirements MOST cost-effectively?

A. Reserved Instances

✅ Correct: [Explanation for A]

B. Spot Instances

❌ Incorrect: [Explanation for B]

C. On-Demand Instances

❌ Incorrect: [Explanation for C]

D. Dedicated Hosts

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 163

* Question: A company needs to transfer data between an Amazon S3 bucket and an on-premises application.  
    
  Who is responsible for the security of this data, according to the AWS shared responsibility model?

A. The company

✅ Correct: [Explanation for A]

B. AWS

❌ Incorrect: [Explanation for B]

C. Firewall vendor

❌ Incorrect: [Explanation for C]

D. AWS Marketplace partner

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 164

* Question: Which pillar of the AWS Well-Architected Framework refers to the ability of a system to recover from infrastructure or service disruptions and dynamically acquire computing resources to meet demand?

A. Security

✅ Correct: [Explanation for A]

B. Reliability

❌ Incorrect: [Explanation for B]

C. Performance efficiency

❌ Incorrect: [Explanation for C]

D. Cost optimization

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 165

* Question: A company wants to identify Amazon S3 buckets that are shared with another AWS account.  
    
  Which AWS service or feature will meet these requirements?

A. AWS Lake Formation

✅ Correct: [Explanation for A]

B. IAM credential report

❌ Incorrect: [Explanation for B]

C. Amazon CloudWatch

❌ Incorrect: [Explanation for C]

D. IAM Access Analyzer

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 166

* Question: Which AWS service gives users the ability to build interactive business intelligence dashboards that include machine learning insights?

A. Amazon Athena

✅ Correct: [Explanation for A]

B. Amazon Kendra

❌ Incorrect: [Explanation for B]

C. Amazon QuickSight

❌ Incorrect: [Explanation for C]

D. Amazon Redshift

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 167

* Question: Which of the following is an AWS value proposition that describes a user’s ability to scale infrastructure based on demand?

A. Speed of innovation

✅ Correct: [Explanation for A]

B. Resource elasticity

❌ Incorrect: [Explanation for B]

C. Decoupled architecture

❌ Incorrect: [Explanation for C]

D. Global deployment

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 168

* Question: Which action is a security best practice for access to sensitive data that is stored in an Amazon S3 bucket?

A. Enable S3 Cross-Region Replication (CRR) on the S3 bucket.

✅ Correct: [Explanation for A]

B. Use IAM roles for applications that require access to the S3 bucket.

❌ Incorrect: [Explanation for B]

C. Configure AWS WAF to prevent unauthorized access to the S3 bucket.

❌ Incorrect: [Explanation for C]

D. Configure Amazon GuardDuty to prevent unauthorized access to the S3 bucket.

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 169

* Question: A company wants to know more about the benefits offered by cloud computing. The company wants to understand the operational advantage of agility. How does AWS provide agility for users?

A. The ability the ensure high availability by deploying workloads to multiple regions

✅ Correct: [Explanation for A]

B. A pay-as-you-go model for many services and resources

❌ Incorrect: [Explanation for B]

C. The ability to transfer infrastructure management to the AWS Cloud

❌ Incorrect: [Explanation for C]

D. The ability to provision and deprovision resources quickly with minimal effort

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 170

* Question: A company needs a central user portal so that users can log in to third-party business applications that support Security Assertion Markup Language (SAML) 2.0.  
    
  Which AWS service will meet this requirement?

A. AWS Identity and Access Management (IAM)

✅ Correct: [Explanation for A]

B. Amazon Cognito

❌ Incorrect: [Explanation for B]

C. AWS IAM Identity Center (AWS Single Sign-On)

❌ Incorrect: [Explanation for C]

D. AWS CLI

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 171

* Question: Which AWS service should users use to learn about AWS service availability and operations?

A. Amazon EventBridge

✅ Correct: [Explanation for A]

B. AWS Service Catalog

❌ Incorrect: [Explanation for B]

C. AWS Control Tower

❌ Incorrect: [Explanation for C]

D. AWS Health Dashboard

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 172

* Question: Which AWS service or tool can be used to capture information about inbound and outbound traffic in an Amazon VPC?

A. VPC Flow Logs

✅ Correct: [Explanation for A]

B. Amazon Inspector

❌ Incorrect: [Explanation for B]

C. VPC endpoint services

❌ Incorrect: [Explanation for C]

D. NAT gateway

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 173

* Question: What is the customer ALWAYS responsible for managing, according to the AWS shared responsibility model?

A. Software licenses

✅ Correct: [Explanation for A]

B. Networking

❌ Incorrect: [Explanation for B]

C. Customer data

❌ Incorrect: [Explanation for C]

D. Encryption keys

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 174

* Question: Which AWS service can be used to retrieve compliance reports on demand?

A. AWS Secrets Manager

✅ Correct: [Explanation for A]

B. AWS Artifact

❌ Incorrect: [Explanation for B]

C. AWS Security Hub

❌ Incorrect: [Explanation for C]

D. AWS Certificate Manager

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 175

* Question: Which AWS service enables users to check for vulnerabilities on Amazon EC2 instances by using predefined assessment templates?

A. AWS WAF

✅ Correct: [Explanation for A]

B. AWS Trusted Advisor

❌ Incorrect: [Explanation for B]

C. Amazon Inspector

❌ Incorrect: [Explanation for C]

D. AWS Shield

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 176

* Question: A company plans to migrate to the AWS Cloud. The company is gathering information about its on-premises infrastructure and requires information such as the hostname, IP address, and MAC address.  
    
  Which AWS service will meet these requirements?

A. AWS DataSync

✅ Correct: [Explanation for A]

B. AWS Application Migration Service

❌ Incorrect: [Explanation for B]

C. AWS Application Discovery Service

❌ Incorrect: [Explanation for C]

D. AWS Database Migration Service (AWS DMS)

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 177

* Question: Which action will help increase security in the AWS Cloud?

A. Enable programmatic access for all IAM users.

✅ Correct: [Explanation for A]

B. Use IAM users instead of IAM roles to delegate permissions.

❌ Incorrect: [Explanation for B]

C. Rotate access keys on a reoccurring basis.

❌ Incorrect: [Explanation for C]

D. Use inline policies instead of customer managed policies.

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 178

* Question: A company is planning to migrate its application to the AWS Cloud.  
    
  Which AWS tool or set of resources should the company use to analyze and assess its readiness for migration?

A. AWS Cloud Adoption Framework (AWS CAF)

✅ Correct: [Explanation for A]

B. AWS Pricing Calculator

❌ Incorrect: [Explanation for B]

C. AWS Well-Architected Framework

❌ Incorrect: [Explanation for C]

D. AWS Budgets

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 179

* Question: Which of the following describes some of the core functionality of Amazon S3?

A. Amazon S3 is a high-performance block storage service that is designed for use with Amazon EC2.

✅ Correct: [Explanation for A]

B. Amazon S3 is an object storage service that provides high-level performance, security, scalability, and data availability.

❌ Incorrect: [Explanation for B]

C. Amazon S3 is a fully managed, highly reliable, and scalable file storage system that is accessible over the industry-standard SMB protocol.

❌ Incorrect: [Explanation for C]

D. Amazon S3 is a scalable, fully managed elastic NFS for use with AWS Cloud services and on-premises resources.

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 180

* Question: Which AWS benefit is demonstrated by on-demand technology services that enable companies to replace upfront fixed expenses with variable expenses?

A. High availability

✅ Correct: [Explanation for A]

B. Economies of scale

❌ Incorrect: [Explanation for B]

C. Pay-as-you-go pricing

❌ Incorrect: [Explanation for C]

D. Global reach

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 181

* Question: Which AWS services or features enable users to connect on-premises networks to a VPC? (Choose two.) E. Amazon CloudFront

A. AWS VPN

✅ Correct: [Explanation for A]

B. Elastic Load Balancing

❌ Incorrect: [Explanation for B]

C. AWS Direct Connect

❌ Incorrect: [Explanation for C]

D. VPC peering

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 182

* Question: A user needs to quickly deploy a nonrelational database on AWS. The user does not want to manage the underlying hardware or the database software.  
    
  Which AWS service can be used to accomplish this?

A. Amazon RDS

✅ Correct: [Explanation for A]

B. Amazon DynamoDB

❌ Incorrect: [Explanation for B]

C. Amazon Aurora

❌ Incorrect: [Explanation for C]

D. Amazon Redshift

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 183

* Question: Which actions are examples of a company’s effort to rightsize its AWS resources to control cloud costs? (Choose two.) E. Replace existing Amazon EC2 instances with AWS Elastic Beanstalk.

A. Switch from Amazon RDS to Amazon DynamoDB to accommodate NoSQL datasets.

✅ Correct: [Explanation for A]

B. Base the selection of Amazon EC2 instance types on past utilization patterns.

❌ Incorrect: [Explanation for B]

C. Use Amazon S3 Lifecycle policies to move objects that users access infrequently to lower-cost storage tiers.

❌ Incorrect: [Explanation for C]

D. Use Multi-AZ deployments for Amazon RDS.

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 184

* Question: Which AWS service or feature can a company use to apply security rules to specific Amazon EC2 instances?

A. Network ACLs

✅ Correct: [Explanation for A]

B. Security groups

❌ Incorrect: [Explanation for B]

C. AWS Trusted Advisor

❌ Incorrect: [Explanation for C]

D. AWS WAF

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 185

* Question: Which design principles support the reliability pillar of the AWS Well-Architected Framework? (Choose two.) E. Automatically recover from failure.

A. Perform operations as code.

✅ Correct: [Explanation for A]

B. Enable traceability.

❌ Incorrect: [Explanation for B]

C. Automatically scale to meet demand.

❌ Incorrect: [Explanation for C]

D. Deploy resources globally to improve response time.

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 186

* Question: A company that uses AWS needs to transfer 2 TB of data.  
    
  Which type of transfer of that data would result in no cost for the company?

A. Inbound data transfer from the internet

✅ Correct: [Explanation for A]

B. Outbound data transfer to the internet

❌ Incorrect: [Explanation for B]

C. Data transfer between AWS Regions

❌ Incorrect: [Explanation for C]

D. Data transfer between Availability Zones

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 187

* Question: A company wants to create templates that the company can reuse to deploy multiple AWS resources.  
    
  Which AWS service or feature can the company use to meet this requirement?

A. AWS Marketplace

✅ Correct: [Explanation for A]

B. Amazon Machine Image (AMI)

❌ Incorrect: [Explanation for B]

C. AWS CloudFormation

❌ Incorrect: [Explanation for C]

D. AWS OpsWorks

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services

Serial No: 188

* Question: A company is building an application that requires the ability to send, store, and receive messages between application components. The company has another requirement to process messages in first-in, first-out (FIFO) order.  
    
  Which AWS service should the company use?

A. AWS Step Functions

✅ Correct: [Explanation for A]

B. Amazon Simple Notification Service (Amazon SNS)

❌ Incorrect: [Explanation for B]

C. Amazon Kinesis Data Streams

❌ Incorrect: [Explanation for C]

D. Amazon Simple Queue Service (Amazon SQS)

❌ Incorrect: [Explanation for D]

Correct Answer: A

Difficulty Level: Medium

Category: AWS Technology Core Services