

Practice Exam 22

1. A company operating in the AWS Cloud requires separate invoices for specific environments, such as development, testing, and production. How can this be achieved?

- A. Use multiple AWS accounts
- B. Use resource tagging
- C. Use multiple VPCs
- D. Use Cost Explorer

Answer

Correct Answer: A

2. Which AWS service can be used in the application deployment process?

- A. AWS AppSync
- B. AWS Batch
- C. AWS CodePipeline
- D. AWS DataSync

Answer

Correct Answer: C

3. What can be used to reduce the cost of running Amazon EC2 instances? (Choose two.)

- A. Spot Instances for stateless and flexible workloads
- B. Memory optimized instances for high-compute workloads
- C. On-Demand Instances for high-cost and sustained workloads
- D. Reserved Instances for sustained workloads
- E. Spend limits set using AWS Budgets

Answer

Correct Answer: AD

4. A company is launching an e-commerce site that will store and process credit card data. The company requires information about AWS compliance reports and AWS agreements. Which AWS service provides on-demand access to these items?

- A. AWS Certificate Manager
- B. AWS Config
- C. AWS Artifact
- D. AWS CloudTrail

Answer

Correct Answer: C

5. Which AWS service or feature allows the user to manage cross-region application traffic?
- A. Amazon AppStream 2.0
 - B. Amazon VPC
 - C. Elastic Load Balancer
 - D. Amazon Route 53

Answer

Correct Answer: D

6. Which AWS service can be used to track unauthorized API calls?
- A. AWS Config
 - B. AWS CloudTrail
 - C. AWS Trusted Advisor
 - D. Amazon Inspector

Answer

Correct Answer: B

7. A user needs to regularly audit and evaluate the setup of all AWS resources, identify non-compliant accounts, and be notified when a resource changes. Which AWS service can be used to meet these requirements?
- A. AWS Trusted Advisor
 - B. AWS Config
 - C. AWS Resource Access Manager
 - D. AWS Systems Manager

Answer

Correct Answer: B

8. A user is planning to launch two additional Amazon EC2 instances to increase availability. Which action should the user take?
- A. Launch the instances across multiple Availability Zones in a single AWS Region.
 - B. Launch the instances as EC2 Reserved Instances in the same AWS Region and the same Availability Zone.
 - C. Launch the instances in multiple AWS Regions, but in the same Availability Zone.
 - D. Launch the instances as EC2 Spot Instances in the same AWS Region, but in different Availability Zones.

Answer

Correct Answer: A

9. A company must store critical business data in Amazon S3 with a backup to another AWS Region. How can this be achieved?

- A. Use an Amazon CloudFront Content Delivery Network (CDN) to cache data globally
- B. Set up Amazon S3 cross-region replication to another AWS Region
- C. Configure the AWS Backup service to back up to the data to another AWS Region
- D. Take Amazon S3 bucket snapshots and copy that data to another AWS Region

Answer

Correct Answer: B

10. Which AWS Cloud service can send alerts to customers if custom spending thresholds are exceeded?
- A. AWS Budgets
 - B. AWS Cost Explorer
 - C. AWS Cost Allocation Tags
 - D. AWS Organizations

Answer

Correct Answer: A

11. What is the recommended method to request penetration testing on AWS resources?
- A. Open a support case
 - B. Fill out the Penetration Testing Request Form
 - C. Request a penetration test from your technical account manager
 - D. Contact your AWS sales representative

Answer

Correct Answer: B

12. A user needs to automatically discover, classify, and protect sensitive data stored in Amazon S3. Which AWS service can meet these requirements?
- A. Amazon Inspector
 - B. Amazon Macie
 - C. Amazon GuardDuty
 - D. AWS Secrets Manager

Answer

Correct Answer: B

13. Which components are required to build a successful site-to-site VPN connection on AWS? (Choose two.)
- A. Internet gateway
 - B. NAT gateway
 - C. Customer gateway

- D. Transit gateway
- E. Virtual private gateway

Answer

Correct Answer: CE

14. Which Amazon EC2 pricing option is best suited for applications with short-term, spiky, or unpredictable workloads that cannot be interrupted?
- A. Spot Instances
 - B. Dedicated Hosts
 - C. On-Demand Instances
 - D. Reserved Instances

Answer

Correct Answer: C

15. Which AWS cloud architecture principle states that systems should reduce interdependencies?
- A. Scalability
 - B. Services, not servers
 - C. Removing single points of failure
 - D. Loose coupling

Answer

Correct Answer: D

16. What is the MOST effective resource for staying up to date on AWS security announcements?
- A. AWS Personal Health Dashboard
 - B. AWS Secrets Manager
 - C. AWS Security Bulletins
 - D. Amazon Inspector

Answer

Correct Answer: C

17. Which AWS service offers persistent storage for a file system?
- A. Amazon S3
 - B. Amazon EC2 instance store
 - C. Amazon Elastic Block Store (Amazon EBS)
 - D. Amazon ElastiCache

Answer

Correct Answer: C

18. Which of the following allows AWS users to manage cost allocations for billing?

- A. Tagging resources
- B. Limiting who can create resources
- C. Adding a secondary payment method
- D. Running all operations on a single AWS account

Answer

Correct Answer: A

19. Which AWS service allows users to download security and compliance reports about the AWS infrastructure on demand?

- A. Amazon GuardDuty
- B. AWS Security Hub
- C. AWS Artifact
- D. AWS Shield

Answer

Correct Answer: C

20. Which of the following AWS services are serverless? (Choose two.)

- A. AWS Lambda
- B. Amazon Elasticsearch Service
- C. AWS Elastic Beanstalk
- D. Amazon DynamoDB
- E. Amazon Redshift

Answer

Correct Answer: AD

21. Which AWS managed services can be used to extend an on-premises data center to the AWS network? (Choose two.)

- A. AWS VPN
- B. NAT gateway
- C. AWS Direct Connect
- D. Amazon Connect
- E. Amazon Route 53

Answer

Correct Answer: AC

22. Which requirement must be met for a member account to be unlinked from an AWS Organizations account?

- A. The linked account must be actively compliant with AWS System and Organization Controls (SOC).

- B. The payer and the linked account must both create AWS Support cases to request that the member account be unlinked from the organization.
- C. The member account must meet the requirements of a standalone account.
- D. The payer account must be used to remove the linked account from the organization.

Answer

Correct Answer: C

23. What AWS benefit refers to a customer's ability to deploy applications that scale up and down to meet variable demand?
- A. Elasticity
 - B. Agility
 - C. Security
 - D. Scalability

Answer

Correct Answer: D

24. During a compliance review, one of the auditors requires a copy of the AWS SOC 2 report. Which service should be used to submit this request?
- A. AWS Personal Health Dashboard
 - B. AWS Trusted Advisor
 - C. AWS Artifact
 - D. Amazon S3

Answer

Correct Answer: C

25. A company wants to set up a highly available workload in AWS with a disaster recovery plan that will allow the company to recover in case of a regional service interruption. Which configuration will meet these requirements?
- A. Run on two Availability Zones in one AWS Region, using the additional Availability Zones in the AWS Region for the disaster recovery site.
 - B. Run on two Availability Zones in one AWS Region, using another AWS Region for the disaster recovery site.
 - C. Run on two Availability Zones in one AWS Region, using a local AWS Region for the disaster recovery site.
 - D. Run across two AWS Regions, using a third AWS Region for the disaster recovery site.

Answer

Correct Answer: BD

Explanation: <https://aws.amazon.com/blogs/startups/large-scale-disaster-recovery-using-aws-regions/>

Option D increased complexity and cost.

26. A company has a 500 TB image repository that needs to be transported to AWS for processing. Which AWS service can import this data MOST cost-effectively?
- A. AWS Snowball
 - B. AWS Direct Connect
 - C. AWS VPN
 - D. Amazon S3

Answer

Correct Answer: A

Explanation: <https://aws.amazon.com/blogs/storage/migrating-hundreds-of-tb-of-data-to-amazon-s3-with-aws-datasync/>

27. Which AWS service can run a managed PostgreSQL database that provides online transaction processing (OLTP)?
- A. Amazon DynamoDB
 - B. Amazon Athena
 - C. Amazon RDS
 - D. Amazon EMR

Answer

Correct Answer: C

Explanation: <https://aws.amazon.com/rds/postgresql/>

28. Which of the following assist in identifying costs by department? (Choose two.)
- A. Using tags on resources
 - B. Using multiple AWS accounts
 - C. Using an account manager
 - D. Using AWS Trusted Advisor
 - E. Using Consolidated Billing

Answer

Correct Answer: AB

29. A company wants to allow full access to an Amazon S3 bucket for a particular user. Which element in the S3 bucket policy holds the user details that describe who needs access to the S3 bucket?
- A. Principal

- B. Action
- C. Resource
- D. Statement

Answer

Correct Answer: A

Explanation: <https://docs.aws.amazon.com/AmazonS3/latest/dev/walkthrough1.html>

30. Which AWS service allows for effective cost management of multiple AWS accounts?

- A. AWS Organizations
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. Amazon Connect

Answer

Correct Answer: A

Explanation: <https://aws.amazon.com/blogs/aws/aws-organizations-policy-based-management-for-multiple-aws-accounts/>

31. A company is piloting a new customer-facing application on Amazon Elastic Compute Cloud (Amazon EC2) for one month. What pricing model is appropriate?

- A. Reserved Instances
- B. Spot Instances
- C. On-Demand Instances
- D. Dedicated Hosts

Answer

Correct Answer: C

Explanation: <https://aws.amazon.com/ec2/pricing/>

32. Which AWS tools automatically forecast future AWS costs?

- A. AWS Support Center
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Simple Monthly Calculator
- D. Cost Explorer

Answer

Correct Answer: D

Explanation: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

33. Under the AWS shared responsibility model, which of the following is a responsibility of AWS?
- A. Enabling server-side encryption for objects stored in S3
 - B. Applying AWS IAM security policies
 - C. Patching the operating system on an Amazon EC2 instance
 - D. Applying updates to the hypervisor

Answer

Correct Answer: D

Explanation: <https://aws.amazon.com/compliance/shared-responsibility-model/?ref=wellarchitected>

34. A user is able to set up a master payer account to view consolidated billing reports through:
- A. AWS Budgets.
 - B. Amazon Macie.
 - C. Amazon QuickSight.
 - D. AWS Organizations.

Answer

Correct Answer: D

Explanation: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

35. Performing operations as code is a design principle that supports which pillar of the AWS Well-Architected Framework?
- A. Performance efficiency
 - B. Operational excellence
 - C. Reliability
 - D. Security

Answer

Correct Answer: B

Explanation: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

36. Which design principle is achieved by following the reliability pillar of the AWS Well-Architected Framework?
- A. Vertical scaling
 - B. Manual failure recovery
 - C. Testing recovery procedures
 - D. Changing infrastructure manually

Answer

Correct Answer: C

Explanation: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

37. What is a characteristic of Convertible Reserved Instances (RIs)?
- A. Users can exchange Convertible RIs for other Convertible RIs from a different instance family with an equal or higher value than the Convertible Reserved Instances that you are exchanging.
 - B. Users can exchange Convertible RIs for other Convertible RIs in different AWS Regions.
 - C. Users can sell and buy Convertible RIs on the AWS Marketplace.
 - D. Users can shorten the term of their Convertible RIs by merging them with other Convertible RIs.

Answer

Correct Answer: A

Explanation: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-convertible-exchange.html>

38. The user is fully responsible for which action when running workloads on AWS?
- A. Patching the infrastructure components
 - B. Implementing controls to route application traffic
 - C. Maintaining physical and environmental controls
 - D. Maintaining the underlying infrastructure components

Answer

Correct Answer: B

39. An architecture design includes Amazon EC2, an Elastic Load Balancer, and Amazon RDS. What is the BEST way to get a monthly cost estimation for this architecture?
- A. Open an AWS Support case, provide the architecture proposal, and ask for a monthly cost estimation.
 - B. Collect the published prices of the AWS services and calculate the monthly estimate.
 - C. Use the AWS Simple Monthly Calculator to estimate the monthly cost.
 - D. Use the AWS Total Cost of Ownership (TCO) Calculator to estimate the monthly cost.

Answer

Correct Answer: C

Explanation: <https://docs.aws.amazon.com/pricing-calculator/latest/userguide/aws-pc.pdf>

40. Which are benefits of using Amazon RDS over Amazon EC2 when running relational databases on AWS? (Choose two.)
- A. Automated backups
 - B. Schema management
 - C. Indexing of tables
 - D. Software patching
 - E. Extract, transform, and load (ETL) management

Answer

Correct Answer: AD

Explanation: <https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Welcome.html>

41. What does the Amazon S3 Intelligent-Tiering storage class offer?
- A. Payment flexibility by reserving storage capacity
 - B. Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume
 - C. Automatic cost savings by moving objects between tiers based on access pattern changes
 - D. Secure, durable, and lowest cost storage for data archival

Answer

Correct Answer: C

Explanation: <https://aws.amazon.com/about-aws/whats-new/2018/11/s3-intelligent-tiering/>

42. A company has multiple data sources across the organization and wants to consolidate data into one data warehouse. Which AWS service can be used to meet this requirement?
- A. Amazon DynamoDB
 - B. Amazon Redshift
 - C. Amazon Athena
 - D. Amazon QuickSight

Answer

Correct Answer: B

Explanation: <https://aws.amazon.com/redshift/faqs/>

43. Which AWS service can be used to track resource changes and establish compliance?
- A. Amazon CloudWatch

- B. AWS Config
- C. AWS CloudTrail
- D. AWS Trusted Advisor

Answer

Correct Answer: B

Explanation: <https://docs.aws.amazon.com/config/latest/developerguide/evaluate-config.html>

44. A user has underutilized on-premises resources. Which AWS Cloud concept can BEST address this issue?
- A. High availability
 - B. Elasticity
 - C. Security
 - D. Loose coupling

Answer

Correct Answer: B

Explanation: <https://www.gremlin.com/blog/implementing-cost-saving-strategies-on-amazon-ec-2-with-chaos-engineering/>

45. A user has a stateful workload that will run on Amazon EC2 for the next 3 years. What is the MOST cost-effective pricing model for this workload?
- A. On-Demand Instances
 - B. Reserved Instances
 - C. Dedicated Instances
 - D. Spot Instances

Answer

Correct Answer: B

46. A cloud practitioner needs an Amazon EC2 instance to launch and run for 7 hours without interruptions. What is the most suitable and cost-effective option for this task?
- A. On-Demand Instance
 - B. Reserved Instance
 - C. Dedicated Host
 - D. Spot Instance

Answer

Correct Answer: A

47. Which of the following are benefits of using AWS Trusted Advisor? (Choose two.)
- A. Providing high-performance container orchestration

- B. Creating and rotating encryption keys
- C. Detecting underutilized resources to save costs
- D. Improving security by proactively monitoring the AWS environment
- E. Implementing enforced tagging across AWS resources

Answer

Correct Answer: CD

Explanation: <https://aws.amazon.com/about-aws/whats-new/2016/06/aws-support-enables-tagging-capabilities-for-trusted-advisor/>

48. A developer has been hired by a large company and needs AWS credentials. Which are security best practices that should be followed? (Choose two.)
- A. Grant the developer access to only the AWS resources needed to perform the job.
 - B. Share the AWS account root user credentials with the developer.
 - C. Add the developer to the administrator's group in AWS IAM.
 - D. Configure a password policy that ensures the developer's password cannot be changed.
 - E. Ensure the account password policy requires a minimum length.

Answer

Correct Answer: AE

49. Which AWS storage service is designed to transfer petabytes of data in and out of the cloud?
- A. AWS Storage Gateway
 - B. Amazon S3 Glacier Deep Archive
 - C. Amazon Lightsail
 - D. AWS Snowball

Answer

Correct Answer: D

Explanation: <https://docs.aws.amazon.com/snowball/latest/ug/transfer-petabytes.html>

50. Which service provides a user the ability to warehouse data in the AWS Cloud?
- A. Amazon EFS
 - B. Amazon Redshift
 - C. Amazon RDS
 - D. Amazon VPC

Answer

Correct Answer: B

Explanation: <https://aws.amazon.com/redshift/>