

Review Questions

1. What is the primary function of the AWS IAM service?
 - A. Identity and access management
 - B. Access key management
 - C. SSH key pair management
 - D. Federated access management
2. Which of the following are requirements you can include in an IAM password policy? (Select THREE.)
 - A. Require at least one uppercase letter.
 - B. Require at least one number.
 - C. Require at least one space or null character.
 - D. Require at least one nonalphanumeric character.
3. Which of the following should you do to secure your AWS root user? (Select TWO.)
 - A. Assign the root user to the “admins” IAM group.
 - B. Use the root user for day-to-day administration tasks.
 - C. Enable MFA.
 - D. Create a strong password.
4. How does multi-factor authentication work?
 - A. Instead of an access password, users authenticate via a physical MFA device.
 - B. In addition to an access password, users also authenticate via a physical MFA device.
 - C. Users authenticate using tokens sent to at least two MFA devices.
 - D. Users authenticate using a password and also either a physical or virtual MFA device.
5. Which of the following SSH commands will successfully connect to an EC2 Amazon Linux instance with an IP address of 54.7.35.103 using a key named mykey.pem?
 - A. `echo "mykey.pem ubuntu@54.7.35.103" | ssh -i`
 - B. `ssh -i mykey.pem ec2-user@54.7.35.103`
 - C. `ssh -i mykey.pem@54.7.35.103`
 - D. `ssh ec2-user@mykey.pem:54.7.35.103 -i`
6. What's the most efficient method for managing permissions for multiple IAM users?
 - A. Assign users requiring similar permissions to IAM roles.
 - B. Assign users requiring similar permissions to IAM groups.
 - C. Assign IAM users permissions common to others with similar administration responsibilities.
 - D. Create roles based on IAM policies, and assign them to IAM users.

7. What is an IAM role?
 - A. A set of permissions allowing access to specified AWS resources
 - B. A set of IAM users given permission to access specified AWS resources
 - C. Permissions granted a trusted entity over specified AWS resources
 - D. Permissions granted an IAM user over specified AWS resources
8. How can federated identities be incorporated into AWS workflows? (Select TWO.)
 - A. You can provide users authenticated through a third-party identity provider access to backend resources used by your mobile app.
 - B. You can use identities to guide your infrastructure design decisions.
 - C. You can use authenticated identities to import external data (like email records from Gmail) into AWS databases.
 - D. You can provide admins authenticated through AWS Microsoft AD with access to a Microsoft SharePoint farm running on AWS.
9. Which of the following are valid third-party federated identity standards? (Select TWO.)
 - A. Secure Shell
 - B. SSO
 - C. SAML 2.0
 - D. Active Directory
10. What information does the IAM credential report provide?
 - A. A record of API requests against your account resources
 - B. A record of failed password account login attempts
 - C. The current state of your account security settings
 - D. The current state of security of your IAM users' access credentials
11. What text format does the credential report use?
 - A. JSON
 - B. CSV
 - C. ASCII
 - D. XML
12. Which of the following IAM policies is the best choice for the admin user you create in order to replace the root user for day-to-day administration tasks?
 - A. AdministratorAccess
 - B. AmazonS3FullAccess
 - C. AmazonEC2FullAccess
 - D. AdminAccess

13. What will you need to provide for a new IAM user you're creating who will use "programmatic access" to AWS resources?
 - A. A password
 - B. A password and MFA
 - C. An access key ID
 - D. An access key ID and secret access key
14. What will IAM users with AWS Management Console access need to successfully log in?
 - A. Their username, account_number, and a password
 - B. Their username and password
 - C. Their account number and secret access key
 - D. Their username, password, and secret access key
15. Which of the following will encrypt your data while in transit between your office and Amazon S3?
 - A. DynamoDB
 - B. SSE-S3
 - C. A client-side master key
 - D. SSE-KMS
16. Which of the following AWS resources *cannot* be encrypted using KMS?
 - A. Existing AWS Elastic Block Store volumes
 - B. RDS databases
 - C. S3 buckets
 - D. DynamoDB databases
17. What does KMS use to encrypt objects stored on your AWS account?
 - A. SSH master key
 - B. KMS master key
 - C. Client-side master key
 - D. Customer master key
18. Which of the following standards governs AWS-based applications processing credit card transactions?
 - A. SSE-KMS
 - B. FedRAMP
 - C. PCI DSS
 - D. ARPA

- 19.** What is the purpose of the Service Organization Controls (SOC) reports found on AWS Artifact?
- A.** They can be used to help you design secure and reliable credit card transaction applications.
 - B.** They attest to AWS infrastructure compliance with data accountability standards like Sarbanes–Oxley.
 - C.** They guarantee that all AWS-based applications are, by default, compliant with Sarbanes–Oxley standards.
 - D.** They’re an official, ongoing risk-assessment profiler for AWS-based deployments.
- 20.** What role can the documents provided by AWS Artifact play in your application planning? (Select TWO.)
- A.** They can help you confirm that your deployment infrastructure is compliant with regulatory standards.
 - B.** They can provide insight into various regulatory and industry standards that represent best practices.
 - C.** They can provide insight into the networking and storage design patterns your AWS applications use.
 - D.** They represent AWS infrastructure design policy.