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IBM Cloud Security Engineer v1 Specialty (S0011100)

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Question: 1

Which IBM Cloud service provides security and compliance monitoring for infrastructure and applications?

- A. IBM Cloud Security Advisor
- B. IBM Cloud Activity Tracker
- C. IBM Cloud Key Protect
- D. IBM Cloud App ID

Answer: B

Explanation: IBM Cloud Activity Tracker provides security and compliance monitoring by capturing and logging activities across IBM Cloud infrastructure and applications. It helps organizations track and analyze events, detect anomalies, and ensure compliance with security policies.

Question: 2

Which of the following options provides secure connectivity between on-premises infrastructure and IBM Cloud?

- A. Virtual Private Network (VPN)
- B. Direct Link
- C. Secure Sockets Layer (SSL)
- D. Cloud Load Balancer

Answer: B

Explanation: Direct Link is a secure and dedicated network connection that allows organizations to establish a private connection between their on-premises infrastructure and IBM Cloud. It provides higher bandwidth, lower latency, and improved security compared to a VPN or SSL connection.

Question: 3

Which IBM Cloud service provides real-time alerting and incident management for security events?

- A. IBM Cloud Security Advisor
- B. IBM Cloud Activity Tracker
- C. IBM Cloud Log Analysis with LogDNA
- D. IBM Cloud Security and Compliance Center

Answer: D

Explanation: IBM Cloud Security and Compliance Center provides real-time alerting and incident management capabilities for security events. It helps organizations detect and respond to security threats, manage incidents, and ensure compliance with industry regulations.

Question: 4

Which logging service in IBM Cloud allows organizations to collect, analyze, and store logs from various sources?

- A. IBM Cloud Security Advisor
- B. IBM Cloud Activity Tracker
- C. IBM Cloud Log Analysis with LogDNA
- D. IBM Cloud Security and Compliance Center

Answer: C

Explanation: IBM Cloud Log Analysis with LogDNA is a logging service that allows organizations to collect, analyze, and store logs from various sources in IBM Cloud. It provides real-time log monitoring, search capabilities, and

integration with other monitoring and alerting tools.

Question: 5

Which security feature in IBM Cloud provides encryption and management of cryptographic keys?

- A. IBM Cloud Security Advisor
- B. IBM Cloud Activity Tracker
- C. IBM Cloud Key Protect
- D. IBM Cloud App ID

Answer: C

Explanation: IBM Cloud Key Protect is a security feature that provides encryption and management of cryptographic keys. It allows organizations to securely store and manage encryption keys used to protect sensitive data in IBM Cloud.

Question: 6

Which authentication mechanism is commonly used to secure access to Kubernetes clusters in IBM Cloud?

- A. Role-Based Access Control (RBAC)
- B. Single Sign-On (SSO)
- C. Security Assertion Markup Language (SAML)
- D. Lightweight Directory Access Protocol (LDAP)

Answer: A

Explanation: Role-Based Access Control (RBAC) is a commonly used authentication mechanism in Kubernetes clusters. It enables administrators to

define roles and assign permissions to users, allowing fine-grained access control to cluster resources in IBM Cloud.

Question: 7

Which access control mechanism is used to enforce fine-grained authorization policies in IBM Cloud?

- A. Identity and Access Management (IAM)
- B. Security Groups
- C. Access Control Lists (ACL)
- D. Security Information and Event Management (SIEM)

Answer: A

Explanation: Identity and Access Management (IAM) in IBM Cloud is used to enforce fine-grained authorization policies. IAM allows organizations to manage user identities, assign roles, and control access to resources based on user permissions and policies.

Question: 8

Which VMware solution in IBM Cloud provides secure and scalable infrastructure for running virtualized workloads?

- A. VMware vSphere
- B. VMware NSX
- C. VMware Horizon
- D. VMware Tanzu

Answer: A

Explanation: VMware vSphere is a virtualization platform that provides secure

and scalable infrastructure for running virtualized workloads in IBM Cloud. It offers features such as resource management, high availability, and advanced security controls.

Question: 9

Which of the following services in IBM Cloud provides secure and isolated virtual server instances?

- A. Virtual Private Cloud (VPC)
- B. Kubernetes Service
- C. Cloud Foundry
- D. Functions as a Service (FaaS)

Answer: A

Explanation: Virtual Private Cloud (VPC) in IBM Cloud provides a secure and isolated environment where users can create virtual server instances, define subnets, and configure network access controls. It allows organizations to have complete control over their network topology and security settings.

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