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C1000-100

IBM Cloud Solution Architect v4



## Exam A

### QUESTION 1

Select the unique key features of Hyper Protect Crypto Services on the IBM Cloud?

- A. Built on IBM Red Hat OpenShift technology, on single-tenant key management service with key vaulting provided by dedicated customer-controlled HSM
- B. Hyper Protect Crypto Services provide state-of-the-art encryption using DM-CRYPT
- C. IBM Cloud administrators have no access and it provides FIPS 140-2 Level 4-certified hardware
- D. Hyper Protect Crypto Services can integrate with other any other Cloud provider services so as to manage key access, log and monitor security events, and support compliance requirements

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/hs-crypto?topic=hs-crypto-overview>

### QUESTION 2

Which Cloud Pak provides a data transfer tool utilizing the FASP protocol to provide significantly faster throughput than typical FTP?

- A. Cloud Pak for Integration
- B. Cloud Pak for Migration
- C. Cloud Pak for Automation
- D. Cloud Pak for Applications

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/cloud/cloud-pak-for-integration/high-speed-data-transfer>

### QUESTION 3

A customer has defined a requirement to enable all virtual server instances in the proposed VPC to be able to access automatic operating system updates via the Internet. What is required to provide this functionality?

- A. The pre-defined Automatic Updates Security Group must be enabled
- B. Each server must have a Floating IP address
- C. Each subnet must have a Public Gateway
- D. A subscription to the IBM Auto Update proxy service

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://ondeck.console.cloud.ibm.com/docs/vpc?topic=solution-tutorials-vpc-public-app-private-backend>

**QUESTION 4** In order to provide a highly resilient and highly available network with ECMP and diversity connections to IBM Cloud, how many Direct Link circuits should be recommended?

- A. 4
- B. 2
- C. 6

D. 3

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/direct-link?topic=direct-link-faqs>

**QUESTION 5** Database for PostgreSQL is an example of which type of database?

- A. Key-value
- B. Object-relational
- C. Document
- D. Graph

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/cloud/databases-for-postgresql>

**QUESTION 6** What is a key requirement of a resilient architecture?

- A. High rate of resource utilization
- B. Low rate of resource utilization
- C. High tolerance level for interruption
- D. Low tolerance level for interruption



**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 7** Which of the following IBM Cloud services is integrated with Certificate Manager?

- A. IBM Bare Metal Server
- B. Red Hat OpenStack on IBM Cloud
- C. IBM Cloud for Power Solutions
- D. IBM Cloud Kubernetes Service

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/cloud/blog/announcements/use-ibm-cloud-certificate-manager-ibm-cloud-container-service-deploy-custom-domain-tls-certificates>

**QUESTION 8** What's the correct architectural network topology in IBM Cloud?

- A. VPC > Zone > Region > Subnet B.
- VPC > Region > Zone > Subnet C.
- Region > VPC > Zone > Subnet
- D. Region > Zone > VPC > Subnet

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/vpc-on-classic?topic=vpc-on-classic-about>

**QUESTION 9** A Dialog Skill in Watson Assistant can make a web service call via which of the following?

- A. Message queue
- B. SOAP Endpoint
- C. Web service definition language
- D. Webhook

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/assistant?topic=assistant-dialog-webhooks>

**QUESTION 10** In the context of the Key Protect service, which of the following statements is correct?

- A. Key Protect allows you to manage keys as well as SSL/TLS Digital Certificates
- B. Key Protect allows you to import keys for other Clouds
- C. Key Protect allows you to manage service accounts
- D. Key Protect allows you to create a new key or import your own key (BYOK)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/cloud/architecture/architectures/securityArchitecture/security-for-data/>

**QUESTION 11** Which file extension does the LogDNA agent monitor by default?

- A. .logdna
- B. .log
- C. .varlogD. .logvar

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [https://cloud.ibm.com/docs/Log-Analysis-with-LogDNA?topic=Log-Analysis-with-LogDNA-logdna\\_agent](https://cloud.ibm.com/docs/Log-Analysis-with-LogDNA?topic=Log-Analysis-with-LogDNA-logdna_agent)

**QUESTION 12** Which two of the following can be managed by IBM Cloud SSL Certificates?  
(Choose two.)



- A. Self-signed SSL certificates
- B. SSL certificates ordered in IBM Cloud
- C. SSL certificates not imported into IBM Cloud
- D. SSL certificates imported into IBM Cloud
- E. Certificate Service Requests (CSR)

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 13** How is access to the IBM Cloud Container Registry controlled?

- A. A platform-built using Docker to run and manage your applications
- B. Watson service credentials
- C. An open-source system named Cloud Foundry
- D. IBM Cloud Identity and Access Management (IAM)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/Registry?topic=Registry-iam>

**QUESTION 14** Why would IBM Spectrum Protect Plus form part of an overall system design in IBM Cloud?

- A. It provides a solution for system log analysis and alerting, protecting systems from unplanned downtime
- B. It provides a solution for data protection, data reuse, and data recovery for virtual environments
- C. It provides a dedicated government-only compute environment with built-in quantum-level encryption
- D. It provides a 'Premium Plus' support package for customers with ultra-business critical workloads

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 15** Which statement describes a key-value database?

- A. Each item in the database is encrypted with public-key cryptography
- B. Each item in the database is stored in a column named key with values in each row
- C. Each item in the database is a document with lists of key-value pairs
- D. Each item in the database is stored as an attribute name (referred to as a key) with its corresponding value

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/cloud/blog/brief-overview-database-landscape>



**QUESTION 16** What is the minimum number of servers an Event Stream cluster in IBM Cloud must be composed of?

- A. Four servers in load balance
- B. One
- C. Two servers
- D. Three servers

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 17** Which VMware application mobility technology seamlessly extends on-premises data center networks into IBM Cloud?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [https://www.ibm.com/cloud/architecture/files/HCX\\_Architecture\\_Design.pdf](https://www.ibm.com/cloud/architecture/files/HCX_Architecture_Design.pdf)



**QUESTION 18** Which are two benefits of IBM Cloud Functions?  
(Choose two.)

- A. Visual debugging
- B. Scale up or down automatically
- C. Based on Kubernetes
- D. Focus on code, not infrastructure
- E. Out-of-the-box connectors to several databases

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 19** What is one of IBM's Operational Responsibilities for managing the IBM Cloud Object Storage Service?

- A. Monitor and manage service health and availability
- B. Provision and manage the VSIs required to serve the data using NFS
- C. Ensure data backup if necessary
- D. Monitor and restore data backups

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/cloud-object-storage?topic=cloud-object-storage-responsibilities>

**QUESTION 20**

What is the function of the IBM Cloud File Storage Capacity Expansion feature?

- A. It is used by the IBM Cloud Storage users to regenerate data storage that may have been deleted
- B. It is used by IBM Cloud Storage users to manage data flow
- C. It is used by IBM Cloud Storage users to expand their file storage immediately
- D. It is used by the IBM Cloud Management team to manage file storage capacity

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/FileStorage?topic=FileStorage-expandCapacity>

**QUESTION 21**

When all objects stored in IBM Cloud Object Storage are encrypted using Server-Side Encryption with Customer Provided Keys (SSE-C), how are read and write object requests sent?

- A. Send the required encryption information as part of SSL requests
- B. Have their requested UID/PWD verified prior to HTTP request flow
- C. Send encryption information as part of UID/PWD verification
- D. Send the required encryption information as headers in the HTTP requests only

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 22** IBM Log Analysis with LogDNA can be used to manage which of the following?

- A. Service Mesh in IBM Cloud
- B. Only application logs in the IBM Cloud
- C. Cloud native applications logs on any Cloud
- D. System and application logs in the IBM Cloud

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [https://www.ibm.com/support/knowledgecenter/en/bluemix\\_stage/services/Log-Analysis-with-LogDNA/overview.html](https://www.ibm.com/support/knowledgecenter/en/bluemix_stage/services/Log-Analysis-with-LogDNA/overview.html)

**QUESTION 23**

The Chief Data Officer (CDO) wants to build a new data solution for his clients. This application needs access to a Spark cluster on IBM Cloud without the Spark Cluster being accessible over the Internet. If IBM Analytics Engine (IAE) is selected, what must be enabled to allow the application server to securely access IAE?

- A. Transit Endpoint
- B. Service Endpoint
- C. Gateway Endpoint
- D. Transverse Endpoint

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 24** What enables faster web performance by locating copies of web data closer to end users?

- A. Virtual Private Network
- B. Virtual Router Appliance
- C. Load Balancer
- D. Content Delivery Network

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/cloud/learn/content-delivery-networks>

**QUESTION 25**

A VPC has been created with a single subnet. Virtual server instances have been deployed on the subnet that have different functions which support a production application. The security team has now said that they want to ensure that network traffic between the different server types can be controlled. How can this be achieved?

- A. Use a Hardware Security Module to create advanced network routing tables that ensure traffic does not route between server types, as per the security team's wishes
- B. Create security groups for the different server types with inbound and outbound rules that satisfy the security team, into which the VSIs can be placed
- C. Create a VPC load balancer and place each server type into its own back-end pool, then create Layer-7 routing policies that restrict network traffic flowing between the different pools
- D. Create multiple access control lists with rules that satisfy the security team's requirements and associate each VSI to the respective ACL

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 26**

Which of the following IBM Cloud Paks help to accelerate the build of cloud-native apps by leveraging built-in developer tools and processes?

- A. IBM Cloud Pak for Developers
- B. IBM Cloud Pak for Data
- C. IBM Cloud Pak for Microservices
- D. IBM Cloud Pak for Applications

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/in-en/cloud/paks>

**QUESTION 27** A Financial Institution is interested in using IBM Blockchain Platform on IBM Cloud with the requirement that any application meet FIPS 140-2 Level 3 compliance. What option should an architect use for the nodes?

- A. Financial Cloud Connector
- B. Spectrum Protect Module
- C. Hardware Security Module



D. Cloud Internet Connector

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://developer.ibm.com/technologies/blockchain/articles/leverage-ibm-cloud-hsm-in-your-ibp-network/>

**QUESTION 28** What industry standard encryption protocol is used for the IBM Cloud Block Storage?

- A. Industry-Standard SSL HTTPS 32 encryption
- B. Industry-Standard AES-256 encryption
- C. Industry-Standard ASE-526 encryption
- D. Industry-Standard SSL HTTP 64 encryption

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/cloud/blog/dont-let-your-data-pay-the-price>

**QUESTION 29** What industry compliance program does IBM Cloud File Storage support?

- A. Payment Information Security Management Act (PISMA)
- B. High Security Infrastructure Accountability Act (HSIAA)
- C. Payment Card Industry (PCI)
- D. Federal Data Protection Directive FDPD



**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/ae-en/cloud/compliance/industry>

**QUESTION 30** What resource is available in IBM Cloud to help the users quickly create IoT applications based on patterns?

- A. JDK
- B. Istio
- C. Watson API
- D. Starter Kit

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 31**

When designing infrastructure for critical business applications, transactional databases, or virtual machines that require low-latency, why might you use Block storage instead of File storage?

- A. Block Storage LUNs have data at rest encryption using in-house managed keys

- B. Block Storage LUNs can be connected to authorized devices through redundant multi-path I/O (MPIO) connections
- C. Block Storage LUNs can be used for file-based NFS shares
- D. Block Storage LUNs can connect to authorized devices in another IBM Cloud datacenter

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/BlockStorage?topic=BlockStorage-getting-started>

**QUESTION 32** What is IBM Cloud Functions?

- A. A polyglot functions-as-a-service (FaaS) programming platform for lightweight code that executes on demand
- B. A capability of Cloudant for triggering an action as data is updated, for example, sending data updates to systems
- C. An IBM Cloud service for implementing multi-stage business processes involving users and systems
- D. The low-code/no-code development environment for data replication and systems integration in App Connect

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/cloud/functions>

**QUESTION 33**

A web application has been deployed in an IBM Virtual Private Cloud. In testing, it's discovered that the web server is not responding to requests over the Internet. What could be the problem?

- A. The web server is in a Security Group which is missing a rule that allows inbound traffic on port 80
- B. The VPC's Vyatta Gateway does not have a NAT configuration for the web server group
- C. The VPC load balancer hasn't been configured with the SSH key for the web server
- D. The subnet ACL has an ALLOW ALL inbound rule set at Priority 1 but a BLOCK ALL inbound rule set at Priority 2



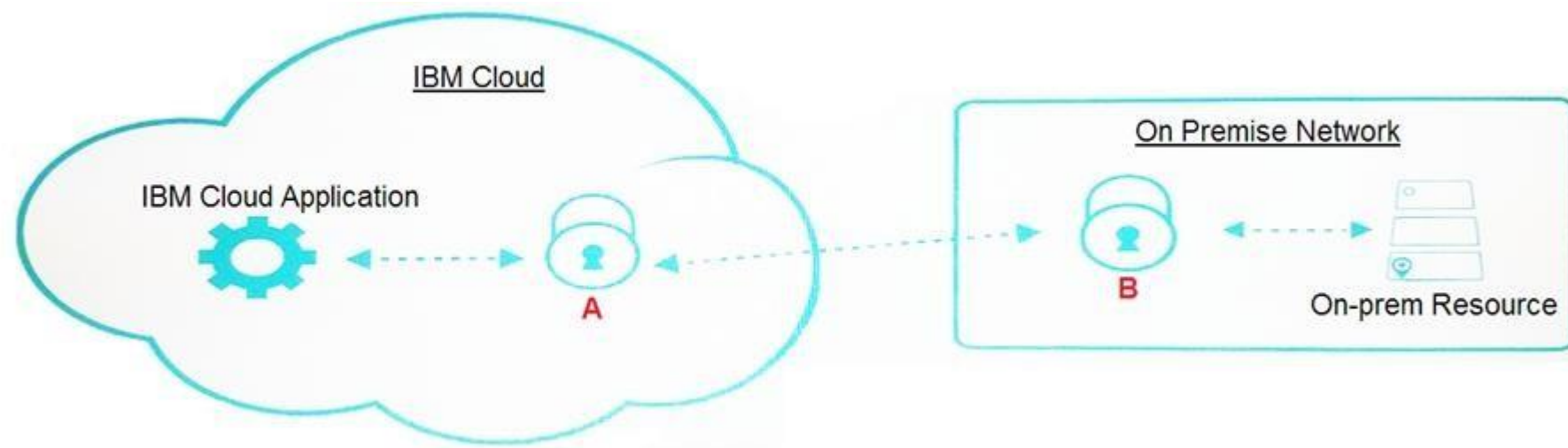
**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 34**



Identify the component marked as B in the Cloud Connection scenario that shows a persistent connection established between the customer's environment and the IBM Cloud.

- A. Virtual Router Appliance
- B. Cloud Gateway Appliance
- C. Secure Gateway Service
- D. Secure Gateway Client

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://developer.ibm.com/recipes/tutorials/how-to-integrate-ibm-secure-gateway-to-a-solution/>

#### QUESTION 35

With regards to disaster recover, what industry term describes 'the maximum amount of time it should take to restore application or system functions following a service disruption'?

- A. Restore Point Duration
- B. Recovery Point Objective
- C. Recovery Time Objective
- D. Restore Time Duration

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [https://en.wikipedia.org/wiki/Disaster\\_recovery](https://en.wikipedia.org/wiki/Disaster_recovery)

#### QUESTION 36

What does an IBM Cloud Container Registry provide?

- A. A collection of multiple zones rules that allow inbound connections to reach the cluster services
- B. Multi-tenant, highly available, and scalable private image registry that is hosted and managed by IBM
- C. A collection of multiple regions rules that allow inbound connections to reach the cluster services
- D. Single-tenant, highly available, and scalable private image registry that is hosted and managed by IBM

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/kubernetes/catalog/registry>

**QUESTION 37** IBM Cloud Activity Tracker with LogDNA service monitors which set of events?

- A. Business processes
- B. How users, applications, and services interact in an account
- C. Payment transactions
- D. Realtime performance

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://logdna.com/blog/how-to-monitor-activity-in-your-ibm-cloud-with-logdna/>

**QUESTION 38**

Which of the following is a key features of the IBM Cloud HSM:

- A. Support for HMAC key padding for one-time authentication tokens
- B. Provides CA Issued certificates
- C. Generate, process and store keys
- D. Secure erasure using DoD 5220.22-M Data Wipe Method

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/cloud/hardware-security-module>



**QUESTION 39** Which IBM Cloud server also offers a Power architecture on Linux?

- A. Power Systems Virtual Servers
- B. Reserved Virtual Servers
- C. Dedicated Virtual Servers
- D. Virtual Servers for VPC

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/power-iaas?topic=power-iaas-creating-power-virtual-server>

**QUESTION 40** When creating a Disaster Recovery strategy for an application, which two factors need to be determined as a starting point? (Choose two.)

- A. CSV
- B. RTO
- C. JRB
- D. RPO
- E. JCB

**Correct Answer:** BD

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference: <https://searchdisasterrecovery.techtarget.com/definition/disaster-recovery-plan>

**QUESTION 41** What is the endpoint type created for IBM Cloud Databases by default?

- A. Public
- B. Private
- C. Internet
- D. Back-end

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/databases-for-mongodb?topic=cloud-databases-service-endpoints>

**QUESTION 42** Which Watson Language Translator feature protects your privacy so you can own your data?

- A. Watson object store for data
- B. Ability to opt-out of any data collection
- C. Ability to stream data over HTTPS
- D. Data privacy plug-in for Watson

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/watson/services/language-translator/>

**QUESTION 43**

What is API Gateway?

- A. A service used to create, secure, share and manage APIs
- B. A service that provides agility and speed in releasing new APIs functionalities
- C. A tool used to write automated tests, ideally before writing code
- D. A service used to create, secure, share, and manage code

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference: [https://cloud.ibm.com/docs/api-gateway?topic=api-gateway-what\\_is\\_apigw](https://cloud.ibm.com/docs/api-gateway?topic=api-gateway-what_is_apigw)

**QUESTION 44** Cloudant is an example of which type of database?

- A. Graph database
- B. Document database
- C. Key-value database
- D. Relational database



**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://en.wikipedia.org/wiki/Cloudant>

**QUESTION 45** Which of the following statements describes Helm?

- A. Helm is an OpenStack package manager that uses Heat templates to define, install, and upgrade complex applications
- B. Helm is an open source project to connect, secure, control, and observe Kubernetes services
- C. Helm is a Kubernetes package manager that uses Helm charts to define, install, and upgrade complex Kubernetes apps in your cluster
- D. Helm is used to describe the network of microservices that make up applications in Kubernetes

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://helm.sh/>

**QUESTION 46** What is the maximum size of an object that can be stored in IBM Cloud Object Storage?

- A. 5 Terabytes
- B. 25 Terabytes
- C. 50 Terabytes
- D. 10 Terabytes

**Correct Answer:** D

**Section:** (none)

**Explanation**



**Explanation/Reference:**

Reference: <https://www.ibm.com/cloud/object-storage/faq>

**QUESTION 47** Why is Continuous Integration a best practice?

- A. It helps to avoid catastrophic merge conflicts
- B. Developers can perform Enterprise Application Integration using a low-code/no-code development environment
- C. It makes it easier to rollback releases that are found to have critical defects
- D. It facilitates low risk releases by allowing a canary release to be tested by a small group of end users

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 48** To view a local version of the OpenShift dashboard and to deploy apps into your Red Hat Openshift cluster on IBM Cloud, which two command line interfaces (CLIs) could be installed? (Choose two.)

- A. Kubernetes CLI
- B. Container Registry CLI
- C. OpenStack CLI
- D. Cloud Foundry CLI
- E. OpenShift CLI

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/openshift?topic=openshift-openshift-cli>

**QUESTION 49** Which IBM Cloud Virtual servers have guaranteed resource for future deployments and cost savings?

- A. Dedicated
- B. Transient
- C. Public
- D. Reserved

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/virtual-servers?topic=virtual-servers-about-reserved-virtual-servers>

**QUESTION 50**

An architect needs to select a firewall solution that can provide public and private network protection and VPN termination. Which two services provide this capability? (Choose two.)

- A. Fortigate Appliance
- B. Juniper vSRX
- C. VPC Security Groups
- D. Dedicated Hardware firewall
- E. Cloud Internet Services



**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 51**

Which of the following features of IBM Virtual Private Cloud specifically controls inbound and outbound traffic for one or more subnets?

- A. SSH Keys
- B. Security Groups
- C. Access Control Lists
- D. Floating IPs

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/cloud/network-security>

**QUESTION 52** How many public IP addresses are standard with IBM VMware Solutions Shared offerings?

- A. 5
- B. 4
- C. 3
- D. 2

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://medium.com/@moreal70/vmware-solutions-shared-on-ibm-cloud-provisioning-and-configuration-for-accessible-in-bound-and-48edd7ee5980>

**QUESTION 53** Which statement describes the IBM Cloud Kubernetes Service?

- A. IBM Cloud Kubernetes Service is subset of Cloud Foundry
- B. IBM Cloud Kubernetes Service is built on Red Hat OpenShift and can run across any cloud platform including IBM Cloud
- C. IBM Cloud Kubernetes Service is a managed offering to create and run containerized applications on IBM Cloud
- D. IBM Cloud Kubernetes Service is a self service solution designed to run Kubernetes clusters only on bare metal

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 54** A customer RFP is requesting a solution to run a scalable, elastic, and managed analytics focused database with in-memory capabilities. Which service should be included in the response?

- A. SQL Query
- B. Analytics Engine
- C. Mongo Cluster Service
- D. DB2 Warehouse on Cloud



**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/cloud/learn/data-warehouse>

**QUESTION 55**

Vulnerability Advisor is pre-integrated into several toolchain templates. What does the Vulnerability Advisor do?

- A. Scans container images for potential security issues
- B. Tests databases for SQL injection vulnerabilities
- C. Continuously monitors and analyzes network communications
- D. Scans source code for potential threats and vulnerabilities

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 56**

After deploying the IBM Cloud Kubernetes service on Public Cloud, how soon are metrics collected by the IBM Cloud Monitoring service?



- A. After logging into your cluster for the first time
- B. After 4 hours of cluster provisioning
- C. Start of the next business day
- D. As soon as the cluster is provisioned

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 57

There is a request to architect a hybrid VMware solution in IBM Cloud to address failures in the on-premise data centers. What additional VMware component would allow for seamless network access for workloads from the VMware Cluster on-premise to the VMware Cluster in IBM Cloud to facilitate resiliency into existing solutions?

- A. HCX
- B. NSX-C
- C. NSX-T
- D. NCX

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/vmwareolutions>

**QUESTION 58** Select two key features of IBM Cloud DevOps Insights:  
(Choose two.)



- A. Analyze risks by using historical data and defined benchmarks
- B. Provides a dashboard to prioritize DevOps stories using the MoSCoW method
- C. Collect IBM Transformation Advisor data and generate burndown charts for migration to IBM Cloud
- D. Connect Rational Team Concert metrics to IBM Cloud to generate code migration insightsE. Define benchmarks to create policies based on aggregated data

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [https://www.ibm.com/garage/method/practices/learn/tool\\_devops\\_insights/](https://www.ibm.com/garage/method/practices/learn/tool_devops_insights/)

#### QUESTION 59

A high profile business customer has two security concerns for their new public application workload on IBM Cloud, security of the application at Network Layer 7 and DDoS. Which IBM Cloud solution should be deployed to mitigate these concerns?

- A. Global Internet Service
- B. Hyper Protect Service
- C. Cloud Internet Service
- D. HyTrust Protect Service

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/cis?topic=cis-distributed-denial-of-service-ddos-attack-concepts>

**QUESTION 60**

IBM Cloud Security Advisor Network Insights uses which two KPIs to monitor inbound traffic? (Choose two.)

- A. Reconnaissance by suspicious clients
- B. Suspicious request header format
- C. Abnormally large numbers of failed login attempts
- D. Suspicious client IP address from the black list
- E. Abnormally large payloads sent by suspicious clients

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/security-advisor?topic=security-advisor-network>

**QUESTION 61** What is Continuous Delivery?

- A. Automating the process that moves software through the software development lifecycle
- B. An asynchronous message delivery service on IBM Cloud
- C. The practice of using canary deployments when delivering code
- D. Frequently code, build, and integrate the work of all developers on a software project each day

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/cloud/continuous-delivery>

**QUESTION 62** What is required before an IBM Cloud Toolchain can be executed?

- A. Creator role permissions
- B. A container repository
- C. A Continuous Delivery service
- D. A Kubernetes cluster

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [https://cloud.ibm.com/docs/ContinuousDelivery?topic=ContinuousDelivery-toolchains\\_getting\\_started](https://cloud.ibm.com/docs/ContinuousDelivery?topic=ContinuousDelivery-toolchains_getting_started)

**QUESTION 63** Which of the following is a type of DDoS attack that Cloud Internet Services would protect against?

- A. Layer 2 Attacks
- B. Layer 5 Attacks
- C. Firewall Attacks
- D. Volumetric Attacks

**Correct Answer:** D



**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference: <https://www.ibm.com/cloud/cloud-internet-services#:~:text=IBM%20Cloud%20Internet%20Services%20is%20a%20simple%20set%20of%20edge,the%20ongoing%20availability%20of%20their>

**QUESTION 64** Which IBM Cloud service makes it possible to troubleshoot logs in real time to diagnose issues?

- A. IBM Log Analysis with LogDNA
- B. IBM Cloud Monitoring with Sysdig
- C. API Gateway
- D. Portworx Enterprise

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.ibm.com/docs/Log-Analysis-with-LogDNA?topic=Log-Analysis-with-LogDNA-getting-started>