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Question: 1401

A global application on IBM Cloud requires low-latency access to static content. Which configuration uses IBM Cloud Object Storage with a CDN?

A. Configure Cloud Object Storage as a backend for IBM Cloud CDN
B. Deploy static content to a VPC Load Balancer
C. Use IBM Cloud Databases as a content store
D. Host static content on virtual servers in a single zone

Answer: A

Explanation: Configuring Cloud Object Storage as a backend for IBM Cloud CDN enables low-latency delivery of static content by caching it at edge locations. Deploying to a VPC Load Balancer is for dynamic traffic distribution, not static content. IBM Cloud Databases are not suitable for static content. Hosting on virtual servers in a single zone lacks the global reach of a CDN.

Question: 1402

A company is migrating a legacy application to IBM Cloud Virtual Servers (IaaS). The application requires a specific network configuration with a CIDR block of 10.0.0.0/16. Which CLI command creates a VPC with this CIDR block?

A. ibmcloud is vpc-create my-vpc --address-prefix 10.0.0.0/16
B. ibmcloud is network-create my-vpc --cidr 10.0.0.0/16
C. ibmcloud is vpc-provision my-vpc --ip-range 10.0.0.0/16
D. ibmcloud is subnet-create my-vpc --cidr 10.0.0.0/16

Answer: A

Explanation: The ibmcloud is vpc-create command with the --address-prefix parameter is used to create a VPC in IBM Cloud (IaaS) with a specified CIDR block, such as 10.0.0.0/16. The other options are incorrect: network-create and vpc-provision are not valid commands, and subnet-create is for subnets, not VPCs.

Question: 1403

When deploying AI workflows on IBM Cloud in 2026, which two parameters are prioritized for ethical and regulatory compliance? (Choose two.)

A. Automated lineage tracking of data and models
B. Redundant VM sizing
C. Policy-based access control enforcement
D. Exclusive use of private cloud

Answer: A,C

Explanation: Automated lineage and policy-based access control are central to compliance and ethical deployment of AI in IBM Cloud. VM sizing and exclusive private cloud do not guarantee compliance, only resource management.

Question: 1404

As of July 2026, IBM Cloud supports specifying part size for data transfer in both source and target connectors, including IBM Cloud Object Storage.

A. True
B. False

Answer: A

Explanation: With the release of new common core services, IBM Cloud supports specifying part size for major connector platforms, including IBM Cloud Object Storage.

Question: 1405

Which IBM Cloud feature ensures that a virtual server instance in a VPC is automatically restarted if it fails due to a hardware issue?

A. Auto-scaling group
B. Instance availability policy

C. Placement group
D. Resiliency policy

Answer: B

Explanation: The instance availability policy in IBM Cloud VPC ensures that a virtual server instance is automatically restarted on a different host if it fails due to a hardware issue. Auto-scaling groups manage instance scaling, not restarts. Placement groups control instance placement, and resiliency policy is not a standard IBM Cloud term for this purpose.

Question: 1406

In IBM Cloud, _____ clusters span multiple zones to increase fault tolerance and eliminate single points of failure.

A. classic single-zone
B. multi-zone Kubernetes
C. dedicated host
D. function gateway

Answer: B

Explanation: Multi-zone clusters span multiple zones in IBM Cloud Kubernetes Service, supporting fault tolerance.

Question: 1407

Which three of the following are direct benefits of workload portability enabled by containers in a multi-cloud environment? (Choose three.)

A. Consistent CI/CD pipelines
B. Dependency encapsulation
C. Platform vendor lock-in
D. Seamless migration between clouds

Answer: A,B,D

Explanation: Containers package dependencies and code, enabling seamless migration and supporting consistent pipelines, avoiding vendor lock-in.

Question: 1408

The IBM Cloud service model that provides virtualized computing resources, such as virtual machines and block storage, is known as _____.

A. Function as a Service (FaaS)
B. Infrastructure as a Service (IaaS)
C. Platform as a Service (PaaS)
D. Software as a Service (SaaS)

Answer: B

Explanation: Infrastructure as a Service (IaaS) provides virtualized computing resources like virtual machines and block storage, as seen in IBM Cloud Virtual Servers and VPC. Function as a Service (FaaS) is for serverless computing, Platform as a Service (PaaS) offers managed platforms, and Software as a Service (SaaS) delivers ready-to-use software.

Question: 1409

Which of the following commands configures an IBM Cloud Kubernetes cluster with a specific node pool size?

A. ibmcloud ks cluster-create --size 3
B. ibmcloud ks worker-pool-resize --size 3
C. ibmcloud ks node-add --count 3
D. ibmcloud ks cluster-config --nodes 3

Answer: B

Explanation: The ibmcloud ks worker-pool-resize --size 3 command resizes a Kubernetes cluster's worker pool, adjusting node count. "ibmcloud ks cluster-create --size 3" is incorrect, as --size is not a valid flag. "ibmcloud ks node-add --count 3" adds nodes but not to a specific pool. "ibmcloud ks cluster-config --nodes 3" is invalid.

Question: 1410

Which IBM Cloud storage scenario is best suited for highly available, zonal, POSIX-compliant, and NFS-shared storage accessible from multiple cloud VPCs?

A. Cloud Block Storage
B. Cloud Object Storage

C. File Storage
D. Local NVME

Answer: C

Explanation: IBM Cloud File Storage is zonal, POSIX-compliant, and supports NFS sharing across multiple VPCs, essential for highly available scenarios. Block and Object Storage don't offer native POSIX/NFS sharing, Local NVME is not multi-server/multi-VPC accessible.

Question: 1411

Which of the following are characteristics of a multi-cloud deployment model? (Choose three)

A. Involves multiple cloud providers to avoid vendor lock-in
B. Requires a single cloud provider for all workloads
C. Supports workload portability across different cloud platforms
D. Uses IBM Cloud Satellite for edge computing
E. Enhances redundancy and fault tolerance

Answer: A,C,E

Explanation: A multi-cloud deployment involves multiple cloud providers to avoid vendor lock-in, supports workload portability across platforms, and enhances redundancy and fault tolerance.

Question: 1412

A team wants to create multiple instances of a service with Lite plan. What limitation is imposed by a Lite account?

A. Cannot create any service instances
B. Can create only one instance per service with Lite plan
C. Can create unlimited instances as long as resource limits are observed
D. Can only create instances with Pay-As-You-Go billing

Answer: B

Explanation: Lite accounts can create only one instance per service that offers a Lite plan, limiting multiple instance deployment unless the account is upgraded to Pay-As-You-Go or Subscription.

Question: 1413

A company needs to deploy a workload that requires direct access to physical hardware for low-latency processing. Which IBM Cloud service model is most suitable for this requirement, and what specific feature ensures bare metal server isolation?

A. Bare Metal Servers in IaaS with dedicated hardware
B. Kubernetes Service in PaaS with worker node isolation
C. Virtual Servers in IaaS with hypervisor-level isolation
D. VMware Solutions in Hybrid Cloud with vSphere isolation

Answer: A

Explanation: Bare Metal Servers in IaaS with dedicated hardware are ideal for workloads requiring direct hardware access for low-latency processing, as they provide physical servers without virtualization overhead. The dedicated hardware feature ensures complete isolation from other tenants, unlike Virtual Servers in IaaS with hypervisor-level isolation, which still share physical hardware. Kubernetes Service in PaaS with worker node isolation is container-based and not optimized for direct hardware access. VMware Solutions in Hybrid Cloud with vSphere isolation focuses on virtualized environments, not bare metal.

Question: 1414

An organization is using IBM Cloud Pak for Data in a hybrid cloud to analyze data from on-premises and cloud sources. Which component ensures secure data transfer between these environments?

A. IBM Cloud Direct Link
B. IBM Cloud Functions
C. IBM Cloud Security Advisor
D. IBM Cloud Object Storage

Answer: A

Explanation: IBM Cloud Direct Link ensures secure data transfer between on-premises and cloud sources in a hybrid cloud setup with IBM Cloud Pak for Data. It provides a dedicated, high-speed connection for secure and low-latency data movement. IBM Cloud Functions is for serverless computing, not data transfer. IBM Cloud Security Advisor monitors security, not data transfer. IBM Cloud Object Storage is for storing data, not real-time transfers.

Question: 1415

In IBM Cloud, all IAM policies must specify a resource group.

A. True
B. False

Answer: B

Explanation: While specifying a resource group is common, some policies are scoped at the account level or at specific service/resource levels, not requiring a resource group.

Question: 1416

Select the correct statement regarding linking Red Hat OpenShift entitlements for IBM Cloud Pak usage.

A. The process is automatic and does not require IBMid
B. Linking is achieved through IBM Passport Advantage with IBMid login
C. It is possible with a simple OpenShift CLI command only
D. Linking cannot be performed for production licenses

Answer: B

Explanation: You must use IBM Passport Advantage and sign in with your IBMid to link Red Hat entitlements for IBM Cloud Pak in production.

Question: 1417

Which IBM Cloud service is best suited for deploying a serverless application in a public cloud deployment model?

A. IBM Cloud Functions
B. IBM Cloud Kubernetes Service
C. IBM Cloud Virtual Servers
D. IBM Cloud Pak for Data

Answer: A

Explanation: IBM Cloud Functions is designed for serverless applications in a public cloud deployment model, allowing developers to execute code without managing

infrastructure. It offers automatic scaling and cost efficiency. IBM Cloud Kubernetes Service is for containerized workloads, not serverless. IBM Cloud Virtual Servers require infrastructure management. IBM Cloud Pak for Data is for data analytics, not serverless applications.

Question: 1418

What is the primary reason organizations adopt cloud computing for cost optimization, as seen in the evolution of IT infrastructure?

A. Elimination of hardware maintenance
B. Fixed pricing for all services
C. Pay-per-use pricing model
D. Reduced need for skilled IT staff

Answer: C

Explanation: The pay-per-use pricing model, a hallmark of cloud computing, allows organizations to pay only for consumed resources, optimizing costs compared to traditional IT's upfront investments. "Elimination of hardware maintenance" is a benefit but not primary. "Fixed pricing" is incorrect, as cloud uses variable pricing. "Reduced need for skilled IT staff" is not a primary driver.

Question: 1419

Which two of the following contributed most to the proliferation of cloud-native architectures in the last decade? (Choose two)

A. Monolithic kernel OS designs
B. Open-source orchestration frameworks (e.g., Kubernetes)
C. RESTful APIs
D. COBOL batch processing

Answer: B,C

Explanation: Open-source orchestration frameworks and RESTful APIs have been cornerstone advances for scaling cloud-native workloads and enabling programmatic integration.

Question: 1420

An organization is deploying a microservices application on IBM Cloud using Red Hat

OpenShift and IBM Cloud Pak for Integration. They need to ensure secure communication between services across hybrid clouds. Which component should they use?

A. API Connect
B. App Connect
C. Event Streams
D. MQ

Answer: A

Explanation: API Connect in IBM Cloud Pak for Integration provides secure API management, ensuring encrypted and authenticated communication between microservices across hybrid clouds. App Connect is for application integration, Event Streams is for event-driven architectures, and MQ is for messaging, none of which focus on secure API communication.

Question: 1421

A company is deploying a machine learning workload on IBM Cloud using a hybrid cloud model. Which service and configuration ensure secure data processing on-premises?

A. IBM Cloud Pak for Data; Private Cloud
B. IBM Cloud Watson Studio; Public Cloud
C. IBM Cloud Functions; Serverless
D. IBM Cloud Kubernetes Service; Multi-Cloud

Answer: A

Explanation: IBM Cloud Pak for Data in a Private Cloud ensures secure data processing on-premises for machine learning workloads in a hybrid setup. IBM Cloud Watson Studio is public cloud-based. IBM Cloud Functions is serverless, not suited for persistent ML workloads. IBM Cloud Kubernetes Service is container-focused, not inherently secure for on-premises.

Question: 1422

A company migrates a monolithic application to IBM Cloud and plans to refactor it into microservices. Which two benefits does this refactoring provide? (Choose two)

A. Faster initial deployment compared to monolithic architecture

B. Improved fault isolation
C. Simplified debugging and maintenance
D. Independent scaling of components

Answer: B, D

Explanation: Refactoring to microservices improves fault isolation, as a failure in one service does not affect others, and enables independent scaling of components based on demand. Faster initial deployment is not guaranteed, as microservices require more setup. Debugging and maintenance are often more complex in microservices due to distributed systems.

Question: 1423

Which service provides a completely managed development environment, integrated deployment pipeline, and eliminates concern for underlying infrastructure?

A. IBM Cloud SaaS Marketplace
B. IBM Code Engine
C. IBM Cloud VPC
D. IBM Cloud Block Storage

Answer: B

Explanation: IBM Code Engine offers an all-in-one managed environment for building, deploying, and scaling stateless workloads without infrastructure concerns.

Question: 1424

A financial institution is adopting IBM Cloud for its trading platform, requiring strict compliance with PCI DSS. Which job role is primarily responsible for ensuring compliance during cloud adoption?

A. Cloud Architect
B. Cloud Security Engineer
C. DevOps Engineer
D. Site Reliability Engineer

Answer: B

Explanation: The Cloud Security Engineer is responsible for ensuring compliance with standards like PCI DSS during cloud adoption, implementing security controls, encryption, and auditing mechanisms on IBM Cloud. Cloud Architects focus on

infrastructure design, DevOps Engineers handle automation, and Site Reliability Engineers focus on system reliability, not compliance.

Question: 1425

An organization migrates its core banking applications from on-premises servers to IBM Cloud, anticipating variable workloads and strict data compliance rules. Which feature of IBM Cloud best addresses cost optimization for fluctuating demand?

A. Committed Use Discounts
B. Elastic Auto-Scaling
C. On-Premises Redundant Servers
D. Prepaid Capacity Reservations

Answer: B

Explanation: Elastic Auto-Scaling enables resources to scale up or down automatically based on workload requirements, directly optimizing costs for variable demand. Committed Use Discounts save costs but are best for predictable workloads. On-premises redundant servers do not benefit from cloud elasticity. Prepaid Capacity Reservations lock resources, reducing flexibility.

Question: 1426

A global logistics company is deploying a real-time tracking application on IBM Cloud using a distributed cloud model. Which IBM Cloud service and command are used to configure a new edge location for this application?

A. IBM Cloud Satellite; ibmcloud sat location-create
B. IBM Cloud VPC; ibmcloud is vpc-create
C. IBM Cloud Kubernetes Service; ibmcloud ks cluster create
D. IBM Cloud Internet Services; ibmcloud cis domain-create

Answer: A

Explanation: IBM Cloud Satellite with the command ibmcloud sat location-create configures new edge locations for a distributed cloud, ideal for real-time tracking applications. IBM Cloud VPC creates virtual clouds, not edge locations. IBM Cloud Kubernetes Service creates clusters, not edge-specific locations. IBM Cloud Internet Services manages domains, not edge infrastructure.

Question: 1427

A customer wants to optimize content delivery latency for a global user base using IBM Cloud. Which service configuration best achieves this goal?

A. Deploy a Load Balancer in a single zone
B. Configure a Content Delivery Network (CDN) with global edge locations
C. Use only IBM Cloud Object Storage in a single region
D. Only enable autoscaling on compute instances

Answer: B

Explanation: CDN edge locations cache and deliver content closest to users globally, dramatically reducing latency. Other options do not provide global delivery optimization.

Question: 1428

An organization has a VMWare solution dedicated environment within the IBM cloud. Who is the responsible for the management and operation of that environment?

A. Intel
B. IBM
C. Client
D. VMWare

Answer: B

What is an advantage an enterprise would realize from using VPC?

A. IBM manages virtual machine operating systems in VPC
B. Logical isolation from other public cloud tenants, creating a private, secure place on the public cloud
C. VPC's automatically connect with VPC's hosted by other cloud providers
D. No egress charges for data leaving IBM Cloud VPC

Answer: B

Which of the following statements are correct for Object storage? (Select Max)

A. It can store a finite amount of unstructured data
B. It is tied to a specific compute instance

C. It enables you to store or retrieve data directly from the Internet
D. It is supported by Linux operating systems only

Answer: A

Explanation: Object Storage enable you to store and access unstructured data anywhere in the world with a self-service portal backed by RESTful APIs.

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