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100% Pass Quiz 2026 Newest IBM C1000-173: Real IBM Cloud Pak for Data v4.7 Architect Dumps

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IBM C1000-173 Exam Syllabus Topics:

Topic	Details

Topic 1	<ul style="list-style-type: none"> • Architect with Data Governance Services: This section evaluates skills of a Data Governance Specialist, covering the architecture of knowledge catalogs to enable data discovery and management. Data Privacy architectures ensure compliance with regulatory requirements around data protection. Knowledge Accelerators involve designing solutions that speed up data governance processes through predefined policies and templates.
Topic 2	<ul style="list-style-type: none"> • Architect with AI Series: This section measures the skills of an AI Solution Architect and includes designing architectures for solutions involving various IBM Watson AI services. Architecting with Watson Assistant involves creating conversational AI interfaces. Watson Discovery solutions focus on building cognitive search and content analytics applications. Watson Pipelines solutions involve orchestrating data science workflows. Watson OpenScale architectures enable AI model monitoring and governance. Architecting with Match 360 supports personalized engagement by integrating multi-channel customer insights.
Topic 3	<ul style="list-style-type: none"> • Architect with Data Source Services: This domain measures expertise of a Data Integration Architect and includes architecting solutions with data replication technologies to synchronize data across systems. IBM Data Virtualization architecture enables access to and querying of disparate data sources without data movement. Architecting with watsonx.data focuses on building intelligent data lakes and query engines. Architecting with Db2-related services involves designing scalable data management and processing architectures using IBM's Db2 platforms.
Topic 4	<ul style="list-style-type: none"> • Plan for a Cloud Pak for Data Implementation: This section of the exam measures the skills of an Implementation Consultant and covers determining which Cloud Pak for Data services to deploy based on organizational needs. It involves sizing the Kubernetes • OpenShift cluster appropriately for workload demands and planning backup and restore strategies to ensure data protection. Planning for high availability and disaster recovery is essential to maintain uninterrupted service. Multi-tenancy requirements must be understood to support multiple user groups securely on shared infrastructure. Migration requirements need assessment to transition existing data and workloads smoothly.
Topic 5	<ul style="list-style-type: none"> • Security Requirements: This domain targets a Security Architect and focuses on planning security for a Cloud Pak for Data deployment. It includes managing certificates that secure communications, identity management systems, and access and authorization controls to enforce secure and compliant user and service interactions. The auditing features and their integration with enterprise audit systems are crucial to ensure traceability and accountability. Asset interchange security involves safeguarding data movement between services.

IBM Cloud Pak for Data v4.7 Architect Sample Questions (Q189-Q194):

NEW QUESTION # 189

When creating a Db2 Big SQL service instance, which two service resource items should be taken into account when sizing the cluster?

- A. Number of physical cores
- B. Maximum expected throughput
- C. Amount of memory
- D. Number of virtual cores
- E. Number of workers

Answer: C,E

Explanation:

When provisioning a Db2 Big SQL service instance in IBM Cloud Pak for Data, key considerations include the amount of memory available per worker node and the total number of worker nodes. These factors directly affect query execution parallelism and system capacity. The system does not distinguish between physical and virtual cores at the configuration level. Throughput is an outcome of sizing, not a direct sizing parameter.

Therefore, memory and number of workers are the two most critical sizing metrics.

NEW QUESTION # 190

Why is it crucial to understand the benefits of watsonx.data over traditional data warehouses?

- A. To leverage advanced analytics and machine learning capabilities
- B. To maximize data storage costs
- C. To reduce data processing speed
- D. To limit scalability and flexibility

Answer: A

NEW QUESTION # 191

What is Continuous Availability in the context of system design?

- A. Allowing occasional system failures without backup
- B. Ensuring systems are never updated or maintained
- C. Achieving near-zero downtime and data loss
- D. Planning for frequent and prolonged outages

Answer: C

NEW QUESTION # 192

What must be created to enable the Cloud Pak for Data platform to use a company's custom CA certificate to validate certificates from internal servers?

- A. A secret that contains the company's CA certificate.
- B. A secret containing a wildcard certificate for all internal servers.
- C. A configmap that contains all internal server certificate chains.
- D. A configmap that contains the company's CA certificate.

Answer: D

Explanation:

To enable IBM Cloud Pak for Data to trust certificates from internal servers using a custom Certificate Authority (CA), the correct method is to create a Kubernetes ConfigMap that contains the CA certificate. This ConfigMap is referenced by the platform's foundational services to include the CA in the trusted root store.

Secrets are typically used for storing sensitive data like private keys and TLS certificates but are not used for adding trusted root CAs at the platform level. A ConfigMap is explicitly required by the platform to inject the CA trust into the certificate validation chain.

NEW QUESTION # 193

If a Cloud Pak for Data cluster is air-gapped, it is unable to reach the internet, and a private registry must be configured for installations and upgrades. Beyond container images, what other components need to be addressed?

- A. Data movement between nodes must be blocked via firewall rules.
- B. Platform monitoring messages are sent via an internet messaging hub.
- C. License validation requires periodic updates via internet proxy.
- D. Utilities, like pip, still require a connection to the internet by default.

Answer: D

Explanation:

In air-gapped (offline) environments, it's not just the container images that require preparation.

Package managers like pip (for Python) and other utilities commonly attempt to pull dependencies from public internet repositories. These must be redirected to internal mirrors or handled via offline bundles. If left unaddressed, certain operations within components like Jupyter notebooks, Watson Studio, or pipelines may fail. License validation and monitoring do not inherently require internet access, and data movement between nodes is part of normal cluster function--not something to be blocked.

