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IBM C1000-173 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Architect with Analytic Services: This domain targets a Data Analytics Architect and focuses on designing solutions using analytic components of Cloud Pak for Data. Architecting with DataStage involves creating data integration and ETL pipelines. Data Refinery architectures prepare and cleanse data for analysis. Db2 Big SQL solutions address querying large distributed data sets with SQL, facilitating analytics across diverse data sources.
Topic 2	<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 KubernetesOpenShift 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 3	<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 4	<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 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.

>> Latest C1000-173 Test Question <<

Authorized Latest C1000-173 Test Question & Leader in Qualification Exams & High-quality C1000-173: IBM Cloud Pak for Data v4.7 Architect

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IBM Cloud Pak for Data v4.7 Architect Sample Questions (Q150-Q155):

NEW QUESTION # 150

What is the significance of using platform connections in Data Replication on Cloud Pak for Data?

- A. Complicates data integration processes
- B. Decreases connectivity with data sources and targets
- C. Enhances interoperability and ease of configuration**
- D. Isolates data environments

Answer: C

NEW QUESTION # 151

In terms of managing security for data stores in Watson Assistant, what practices should be emphasized? (Select two)

- A. Implementing role-based access control
- B. Regularly updating access credentials**
- C. Using a public network for easier access
- D. Encrypting all stored data, both at rest and in transit**

Answer: B,D

NEW QUESTION # 152

A customer wants to manage Cloud Pak for Data secrets via an existing supported vault system. What is needed to integrate any supported vault systems into Cloud Pak for Data?

- A. Client key in .key or .pem format to authenticate to the vault.
- B. Username and password of the vault.
- C. Client certificate to authenticate to the vault.
- D. **Fully qualified URL of the vault.**

Answer: D

Explanation:

To integrate a supported vault system with IBM Cloud Pak for Data, the fully qualified URL of the external vault is a required component for establishing communication between Cloud Pak for Data and the vault. This is typically configured in the external secrets manager settings.

While authentication credentials (like client certificates or keys) are also necessary depending on the authentication method used, the fully qualified URL is universally required to locate and connect to the vault.

IBM Cloud Pak for Data supports integration with vaults such as:

- * HashiCorp Vault
- * AWS Secrets Manager
- * Azure Key Vault
- * IBM Key Protect

For more details, refer to:

IBM Cloud Pak for Data: Using external secrets managers

NEW QUESTION # 153

An enterprise architect in a financial institute is deciding on the deployment option for Cloud Pak for Data on their existing OpenShift Container Platform cluster.

They have decided to use an automated deployment option and install Cloud Pak for Data from the cloud provider's marketplace. What are the limitations they may face with this decision?

- A. Cloud Pak for Data operators cannot be co-located with the IBM Cloud Pak foundational services operators.
- B. Automatic installation cannot be done for any of the Cloud Pak for Data services.
- C. Cloud Pak for Data cannot be installed on an existing cluster.
- D. **Partial installation of the Cloud Pak for Data has to be done manually for the first time installation.**

Answer: D

Explanation:

According to the IBM Cloud Pak for Data 4.7 Installation Guide and official IBM documentation, when deploying Cloud Pak for Data (CP4D) via a cloud provider marketplace (such as Red Hat OpenShift OperatorHub or a cloud marketplace), the deployment process offers an automated installation method that simplifies the setup. However, there are certain limitations and manual steps that may be required during the initial installation phase.

* CP4D supports installation on an existing OpenShift Container Platform cluster, so option A is incorrect.

* Some core services and operators, including foundational services, can be installed automatically via operators, so option B is incorrect.

* Cloud Pak for Data operators and IBM foundational services operators can coexist in the same OpenShift cluster, so option C is incorrect.

* The official installation documentation for version 4.7 specifies that the initial installation requires manual intervention for partial installation - for example, manually setting up foundational services or configuring specific operators before automated installation of the rest of the platform can continue smoothly. This partial manual setup is especially relevant when using marketplace deployment to ensure all prerequisites and configurations are met.

Exact extract from IBM Cloud Pak for Data 4.7 Installation documentation:

"When deploying Cloud Pak for Data via the OperatorHub or cloud marketplace, the initial setup requires manual installation of foundational services operators and configuration of the cluster environment before proceeding with the automated installation of Cloud Pak for Data services. This partial manual step ensures proper configuration and avoids conflicts during automated deployment."

-IBM Cloud Pak for Data Installation Guide v4.7, section "Installing from OperatorHub and Marketplace" References:

IBM Cloud Pak for Data 4.7 Installation Guide (<https://www.ibm.com/docs/en/cloud-paks/cp-data/4.7?topic=deployment-installing-from-operatorhub-marketplace>)

NEW QUESTION # 154

What is a key security feature to manage for data stores in Watson Assistant?

- A. Physical security of data centers
- B. Biometric access controls for system administrators
- C. Data encryption both at rest and in transit
- D. Two-factor authentication for user logins

Answer: C

NEW QUESTION # 155

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