IBM - C1000-173 - IBM Cloud Pak for Data v4.7 Architect Latest New Braindumps

Exam   :   **C1000-173**

Title   :   IBM Cloud Pak for Data
                 V4.7 Architect

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IBM C1000-173 Exam Syllabus Topics:

Topic	Details

Topic 1	• 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 2	• 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 3	• 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	• 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	• 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.

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IBM Cloud Pak for Data v4.7 Architect Sample Questions (Q71-Q76):

NEW QUESTION # 71
How does utilizing namespaces in a single Cloud Pak for Data instance facilitate multi-tenancy?

- A. Treating all namespaces as a single entity without any differentiation
- B. By allowing unrestricted access between different namespaces
- C. Ensuring there is no isolation between different tenant environments
- D. Providing logical separation between different tenant environments

Answer: D

NEW QUESTION # 72
What is the purpose of configuring access to a Git repository associated with a project in Cloud Pak for Data?

- A. To enhance data visualization in JupyterLab or RStudio.
- B. To delete the repository and create a new one.
- C. To collaborate with others, manage file versions, and enable branching.
- D. To manage the deployment of a model to a project space.

Answer: C

Explanation:
Configuring access to a Git repository in Cloud Pak for Data projects allows teams to collaborate on code, notebooks, and assets while benefiting from version control and branching. This setup ensures that all project files can be tracked, reverted, or merged, enabling collaborative development and continuous integration workflows. It is not used for model deployment management (B) or visualization enhancements (C). Option D is unrelated to the actual purpose of Git integration.

NEW QUESTION # 73
What is a key method to achieve multi-tenancy within a single instance of Cloud Pak for Data?

- A. Combining data from all tenants
- B. Utilizing shared namespaces for all tenants
- C. Utilizing shared namespaces for all tenants
- D. Ignoring resource quotas

Answer: B

NEW QUESTION # 74
Which Watson Assistant service captures telephone voice interactions for use by a cognitive agent or as a transcription for analytics processing?

- A. Voice Transcriber
- B. Voice Analyzer
- C. Voice Gateway
- D. Voice Agent

Answer: C

Explanation:
Watson Assistant integrates with telephone systems through the Voice Gateway service. Voice Gateway captures real-time telephone voice interactions and can route them to a Watson Assistant chatbot or forward them for transcription and analytics. It enables cognitive agents to interact over voice channels and supports integration with SIP-based telephony systems. Voice Agent, Analyzer, and Transcriber are not standard Watson Assistant components within Cloud Pak for Data.

NEW QUESTION # 75
An architect is working with a team to configure Dynamic Workload Management for a single DataStage instance on Cloud Pak for Data.
Auto-scaling has been disabled and the maximum concurrent jobs has been set to 5.
What will happen if a sixth concurrent job is executed?

- A. The sixth job will queue until one of the other concurrent jobs completes.
- B. The sixth job will start if resources are available and will automatic.
- C. The sixth job will fail and will need to be restarted.

Answer: A

Explanation:

InIBM Cloud Pak for Data version 4.7, when configuring Dynamic Workload Management (DWM) for IBM DataStage, the system controls job concurrency based on the maximum concurrent jobs setting and auto- scaling configuration.

* Withauto-scaling disabled, the system does not add or remove DataStage engine pods dynamically to handle workload changes.
* Themaximum concurrent jobssetting limits the number of jobs that can run simultaneously on a single DataStage instance.
* If the number of concurrent jobs reaches the maximum limit (in this case, 5), any additional job requests (such as the sixth job) willnot fail immediately; instead, these jobs are placed in aqueue.
* The queued jobs remain pending until one of the running jobs completes, freeing up capacity for the next job to start.

This queuing behavior ensures workload stability and prevents resource exhaustion by enforcing the concurrency limit strictly when auto-scaling is turned off.

Exact extract from IBM Cloud Pak for Data 4.7 documentation:

"When auto-scaling is disabled, the maximum concurrency limit set on the DataStage instance controls how many jobs can run simultaneously. Jobs submitted beyond this limit are queued and wait for running jobs to complete before starting execution."

-IBM Cloud Pak for Data v4.7, DataStage Dynamic Workload Management section References:

IBM Cloud Pak for Data 4.7 Documentation - DataStage and Dynamic Workload Management IBM Knowledge Center for Cloud Pak for Data v4.7: https://www.ibm.com/docs/en/cloud-paks/cp-data/4.7?
topic=management-dynamic-workload

NEW QUESTION # 76

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