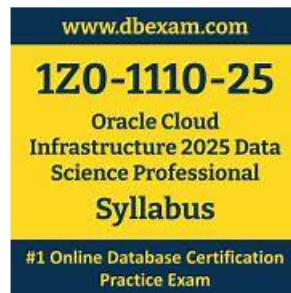


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Oracle 1z0-1110-25 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Use Related OCI Services: This final section measures the competence of Machine Learning Engineers in utilizing OCI-integrated services to enhance data science capabilities. It includes creating Spark applications through OCI Data Flow, utilizing the OCI Open Data Service, and integrating other tools to optimize data handling and model execution workflows.
Topic 2	<ul style="list-style-type: none">• Create and Manage Projects and Notebook Sessions: This part assesses the skills of Cloud Data Scientists and focuses on setting up and managing projects and notebook sessions within OCI Data Science. It also covers managing Conda environments, integrating OCI Vault for credentials, using Git-based repositories for source code control, and organizing your development environment to support streamlined collaboration and reproducibility.
Topic 3	<ul style="list-style-type: none">• Implement End-to-End Machine Learning Lifecycle: This section evaluates the abilities of Machine Learning Engineers and includes an end-to-end walkthrough of the ML lifecycle within OCI. It involves data acquisition from various sources, data preparation, visualization, profiling, model building with open-source libraries, Oracle AutoML, model evaluation, interpretability with global and local explanations, and deployment using the model catalog.

Topic 4	<ul style="list-style-type: none"> • Apply MLOps Practices: This domain targets the skills of Cloud Data Scientists and focuses on applying MLOps within the OCI ecosystem. It covers the architecture of OCI MLOps, managing custom jobs, leveraging autoscaling for deployed models, monitoring, logging, and automating ML workflows using pipelines to ensure scalable and production-ready deployments.
Topic 5	<ul style="list-style-type: none"> • OCI Data Science - Introduction & Configuration: This section of the exam measures the skills of Machine Learning Engineers and covers foundational concepts of Oracle Cloud Infrastructure (OCI) Data Science. It includes an overview of the platform, its architecture, and the capabilities offered by the Accelerated Data Science (ADS) SDK. It also addresses the initial configuration of tenancy and workspace setup to begin data science operations in OCI.

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Oracle Cloud Infrastructure 2025 Data Science Professional Sample Questions (Q88-Q93):

NEW QUESTION # 88

What is the correct definition of Git?

- A. Git is a distributed version control system that protects teams from simultaneous repo contributions and merge requests.
- B. Git is a centralized version control system that allows data scientists and developers to track copious amounts of data.
- C. Git is a centralized version control system that allows you to revert to previous versions of files as needed.
- **D. Git is a distributed version control system that allows you to track changes made to a set of files.**

Answer: D

Explanation:

Detailed Answer in Step-by-Step Solution:

* Define Git: Git is a version control system-centralized vs. distributed is key.

* Evaluate Options:

* A: Incorrect-Git is distributed, not centralized (e.g., SVN is centralized).

* B: Correct-Distributed, tracks file changes across local and remote repos.

* C: Incorrect-Git allows simultaneous contributions; it manages, not prevents, merges.

* D: Incorrect-Centralized is wrong, and "copious data" is vague.

* Reasoning: Git's distributed nature (each user has a full repo copy) and change-tracking are core traits.

* Conclusion: B is accurate.

OCI documentation aligns with Git's official definition: "Git is a distributed version control system that tracks changes to files, enabling collaboration and version history management." A and D misclassify it as centralized, while C misrepresents merge handling- B captures Git's essence as used in OCI Data Science.

Oracle Cloud Infrastructure Code Repository Documentation, "Git Overview".

NEW QUESTION # 89

How can you collaborate with team members in OCI Data Science Workspace?

- A. By sharing the workspace instance with other users
- **B. By using version control systems integrated with the workspace**
- C. By enabling chat and video conferencing within the workspace

- D. By granting access to specific notebooks and files

Answer: B

Explanation:

Detailed Answer in Step-by-Step Solution:

- * Objective: Determine collaboration method in OCI Data Science (Notebook Sessions).
- * Evaluate Options:
 - * A: Access control-Possible but not primary collaboration.
 - * B: Version control (e.g., Git)-Standard for code sharing-correct.
 - * C: Shared instance-Not supported; sessions are single-user.
 - * D: Chat/video-Not a feature of OCI Data Science.
- * Reasoning: B leverages Git for team collaboration-OCI's recommended method.
- * Conclusion: B is correct.

OCI documentation states: "Collaborate in Data Science by integrating version control systems like Git (B) with notebook sessions to share code and notebooks." A is limited, C isn't feasible, and D isn't available- only B matches OCI's collaboration approach.

Oracle Cloud Infrastructure Data Science Documentation, "Collaboration with Git".

NEW QUESTION # 90

Which Oracle Accelerated Data Science (ADS) classes can be used for easy access to datasets from reference libraries and index websites, such as scikit-learn?

- A. DatasetBrowser
- B. ADSTuner
- C. SecretKeeper
- **D. DatasetFactory**

Answer: D

Explanation:

Detailed Answer in Step-by-Step Solution:

- * Objective: Identify ADS class for accessing datasets (e.g., scikit-learn).
- * Evaluate Options:
 - * A: DatasetBrowser-Not an ADS class.
 - * B: DatasetFactory-Loads datasets from sources like scikit-learn-correct.
 - * C: ADSTuner-Hyperparameter tuning, not data access.
 - * D: SecretKeeper-Manages credentials, not datasets.
- * Reasoning: DatasetFactory simplifies dataset loading (e.g., DatasetFactory.open()).
- * Conclusion: B is correct.

OCI documentation states: "DatasetFactory in ADS SDK provides methods to easily load datasets from libraries like scikit-learn or other sources (e.g., DatasetFactory.open('sklearn.datasets:load_iris'))." A isn't real, C tunes models, and D handles secrets-only B fits.

Oracle Cloud Infrastructure ADS SDK Documentation, "DatasetFactory".

NEW QUESTION # 91

During a job run, you receive an error message that no space is left on your disk device. To solve the problem, you must increase the size of the job storage. What would be the most efficient way to do this with Data Science Jobs?

- A. Edit the job, change the size of the storage of your job, and start a new job run
- B. Your code using too much disk space. Refactor the code to identify the problem
- C. On the job run, set the environment variable that helps increase the size of the storage
- **D. Create a new job with increased storage size and then run the job**

Answer: D

Explanation:

Detailed Answer in Step-by-Step Solution:

- * Objective: Efficiently increase storage for an OCI Job.
- * Understand Jobs: Storage (block volume) is set at job creation, not dynamically adjustable.

- * Evaluate Options:
- * A: False-Jobs can't edit storage post-creation; it's fixed.
- * B: False-No environment variable adjusts storage size.
- * C: True-Create a new job with larger storage (e.g., 200 GB) and run it.
- * D: False-Refactoring code is inefficient compared to increasing storage.
- * Reasoning: C is the standard OCI process for adjusting resources.
- * Conclusion: C is correct.

OCI documentation states: "Storage size for a Data Science Job is specified during job creation (e.g., block volume size). To increase it, create a new job with a larger storage configuration and initiate a new run." Editing (A) isn't supported, variables (B) don't apply, and refactoring (D) avoids the issue-only C is efficient.

Oracle Cloud Infrastructure Data Science Documentation, "Jobs - Storage Configuration".

NEW QUESTION # 92

Which of these is a unique feature of the published conda environment?

- A. Allows you to save the conda environment in a block volume
- **B. Allows you to save the conda environment to an Object Storage Bucket**
- C. Provides availability on network session reactivation
- D. Provides a comprehensive environment to solve business use cases

Answer: B

Explanation:

Detailed Answer in Step-by-Step Solution:

* Understand Published Conda Environments: In OCI Data Science, these are custom conda environments shared across users via Object Storage.

* Evaluate Options:

- * A: Vague-All conda environments can address use cases; not unique to "published."
- * B: Incorrect-Availability on reactivation applies to session persistence, not publishing.
- * C: Correct-Publishing saves the environment to Object Storage for sharing/reuse.
- * D: Incorrect-Block volumes store session data, not published environments.
- * Reasoning: The unique aspect of "published" environments is their storage in Object Storage (via odsc conda publish), enabling team access.
- * Conclusion: C is the distinctive feature.

The OCI Data Science documentation highlights that "published conda environments are saved to an OCI Object Storage Bucket, allowing them to be shared across notebook sessions and users." This distinguishes C from A (generic), B (session-related), and D (block volume is for session state, not publishing). Publishing to Object Storage is the defining trait per Oracle's design.

Oracle Cloud Infrastructure Data Science Documentation, "Managing Conda Environments - Publishing" section.

NEW QUESTION # 93

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