

1z0-1110-25 Latest Exam Notes & 1z0-1110-25 Test Guide Online

Exam Code: 1Z0-1110-25
Exam Title: Oracle Cloud Infrastructure 2025 Data Science Professional

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QUESTION: 1

Where do calls to stdout and stderr from score.py go in the model deployment?

- Option A : The file that was defined for them on the virtual machine (VM)
- Option B : The OCI Console
- Option C : The OCI Cloud Shell, which can be accessed from the console
- Option D :

The predict log in the Oracle Cloud Infrastructure (OCI) Logging service as defined in the deployment.

Correct Answer: D

Explanation/Reference:

Detailed Answer in Step-by-Step Solution: Objective: Locate stdout/stderr output from score.py in deployment. Understand Deployment: score.py runs in a model endpoint; logs are managed by OCI. Evaluate Options: A: False-No VM file is defined by default; logs go to OCI Logging. B: False-Console displays UI, not raw logs. C: False-Cloud Shell is a separate tool, not a log destination. D: True-Predict logs in OCI Logging capture stdout/stderr. Reasoning: OCI centralizes logs in its Logging service for deployments. Conclusion: D is correct. OCI documentation states: >During model deployment, stdout and stderr from score.py are automatically sent to the predict log in the OCI Logging service, as configured in the deployment settings.- A, B, and C don't align with this managed logging approach-only D is accurate. ; Oracle Cloud Infrastructure Data Science Documentation, "Model Deployment - Logging".

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Oracle 1z0-1110-25 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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 3	<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 4	<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 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.

Oracle Cloud Infrastructure 2025 Data Science Professional Sample Questions (Q44-Q49):

NEW QUESTION # 44

Which TWO statements about Oracle Cloud Infrastructure (OCI) Open Data service are true?

- A. Audio and video formats are not available.
- B. Each dataset in Open Data consists of code and tooling usage examples for consumption and reproducibility.
- C. **Open Data includes text and image data repositories for AI and ML.**
- D. **Open Data is a dataset repository made for the people that create, use, and manipulate datasets.**
- E. A primary goal of Open Data is for users to contribute to the data repositories to expand the content offered.
- F. Subscribers can pay and log into Open Data to view curated datasets that are otherwise not available to the public.

Answer: C,D

Explanation:

Detailed Answer in Step-by-Step Solution:

* Analyze OCI Open Data: OCI Open Data is a free service providing access to public datasets for AI /ML use cases.

* Evaluate Statements:

- * A: True-Open Data includes text and image datasets (e.g., geospatial images).
- * B: False-Video and other formats may be available depending on the dataset; no strict exclusion exists.
- * C: False-Datasets may include metadata, but code/tooling examples aren't guaranteed.
- * D: True-It's designed for data scientists and analysts who work with datasets.
- * E: False-It's not a user-contributed repository; it's curated by Oracle.
- * F: False-Open Data is free and public, not subscription-based.

* Select Two: A and D align with the service's purpose and offerings.

OCI Open Data provides access to datasets like text and images (A) for AI/ML, aimed at data professionals (D). It's a free, curated service, not user-contributed (E) or paid (F), and while it focuses on certain formats, it doesn't explicitly exclude audio/video (B). (Reference: Oracle Cloud Infrastructure Open Data Documentation, "Overview of Open Data").

NEW QUESTION # 45

On which option do you set Oracle Cloud Infrastructure Budget?

- A. Compartments
- B. Instances
- **C. Tenancy**
- D. Free-form tags

Answer: C

Explanation:

Detailed Answer in Step-by-Step Solution:

- * Objective: Determine where OCI budgets are set.
- * Understand Budgets: Track spending across OCI resources.
- * Evaluate Options:
 - * A: Compartments-Specific resources, not budget scope.
 - * B: Instances-Specific resources, not budget scope.
 - * C: Tags-Filter costs, not budget setting.
 - * D: Tenancy-Top-level scope for budgets-correct.
- * Reasoning: Budgets apply at tenancy, optionally filtered (e.g., by compartment).
- * Conclusion: D is correct.

OCI documentation states: "Budgets are set at the tenancy level (D), with optional filters like compartments or tags to monitor spending." A, B, and C are sub-elements-only D is the primary scope per OCI's cost management.

Oracle Cloud Infrastructure Cost Management Documentation, "Setting Budgets".

NEW QUESTION # 46

You are a data scientist designing an air traffic control model, and you choose to leverage Oracle AutoML.

You understand that the Oracle AutoML pipeline consists of multiple stages and automatically operates in a certain sequence. What is the correct sequence for the Oracle AutoML pipeline?

- **A. Adaptive sampling, Feature selection, Algorithm selection, Hyperparameter tuning**
- B. Algorithm selection, Feature selection, Adaptive sampling, Hyperparameter tuning
- C. Adaptive sampling, Algorithm selection, Feature selection, Hyperparameter tuning
- D. Algorithm selection, Adaptive sampling, Feature selection, Hyperparameter tuning

Answer: A

Explanation:

Detailed Answer in Step-by-Step Solution:

- * Objective: Sequence OCI AutoML pipeline stages.
- * Stages:
 - * Adaptive sampling: Reduces data size if large.
 - * Feature selection: Picks relevant features.
 - * Algorithm selection: Chooses best model type.
 - * Hyperparameter tuning: Optimizes model params.
- * Evaluate: C (sampling, features, algorithms, tuning) matches logical flow-data first, then model.
- * Reasoning: Sampling precedes feature work-standard in OCI.
- * Conclusion: C is correct.

OCI documentation states: "AutoML pipeline runs 1) adaptive sampling, 2) feature selection, 3) algorithm selection, 4) hyperparameter tuning (C)." Sampling reduces data first, then features and models are optimized-other orders (A, B, D) misalign with OCI's sequence.

Oracle Cloud Infrastructure AutoML Documentation, "Pipeline Sequence".

NEW QUESTION # 47

You are a data scientist working inside a notebook session and you attempt to pip install a package from a public repository that is not included in your conda environment. After running this command, you get a network timeout error. What might be missing from your networking configuration?

- A. FastConnect to an on-premises network
- **B. NAT Gateway with public internet access**
- C. Service Gateway with private subnet access
- D. Primary Virtual Network Interface Card (VNIC)

Answer: B

Explanation:

Detailed Answer in Step-by-Step Solution:

* Objective: Fix network timeout for pip install in a notebook.

* Evaluate Options:

* A: FastConnect-On-premises link, not public internet.

* B: VNIC-Default, not the issue.

* C: NAT Gateway-Grants internet access-correct.

* D: Service Gateway-OCI services, not PyPI.

* Reasoning: C enables outbound traffic to public repos.

* Conclusion: C is correct.

OCI documentation states: "A NAT Gateway (C) is required for notebook sessions in private subnets to access public internet repositories like PyPI." A, B, and D don't provide this-only C resolves the timeout.

Oracle Cloud Infrastructure Data Science Documentation, "Notebook Networking".

NEW QUESTION # 48

You have an embarrassingly parallel or distributed batch job on a large amount of data that you consider running using Data Science Jobs. What would be the best approach to run the workload?

- A. Reconfigure the job run because Data Science Jobs does not support embarrassingly parallel workloads
- B. Create the job in Data Science Jobs and start a job run. When it is done, start a new job run until you achieve the number of runs required
- C. Create a new job for every job run that you have to run in parallel, because the Data Science Jobs service can have only one job run per job
- **D. Create the job in Data Science Jobs and then start the number of simultaneous job runs required for your workload**

Answer: D

Explanation:

Detailed Answer in Step-by-Step Solution:

* Objective: Optimize embarrassingly parallel workload in OCI Jobs.

* Evaluate Options:

* A: Sequential runs-Inefficient for parallel tasks.

* B: Simultaneous runs-Maximizes parallelism-correct.

* C: False-Jobs support parallelism

* D: One job per run-Misstates capability, wasteful.

* Reasoning: B leverages OCI's parallel run support.

* Conclusion: B is correct.

OCI documentation states: "For embarrassingly parallel tasks, create one Job and launch multiple simultaneous Job Runs (B) to process data efficiently." A is slow, C is incorrect, and D overcomplicates-B is the best approach.

Oracle Cloud Infrastructure Data Science Documentation, "Parallel Job Execution".

NEW QUESTION # 49

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