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Oracle Autonomous Database Cloud 2020 Specialist

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QUESTION 1

13 Using Oracle Graph with Autonomous Database



Oracle Graph with Autonomous Database enables you to create graphs from data in your Autonomous Database. With graphs you can analyze your data based on connections and relationships between data entities.

As an Analyst or a Developer you can use graph algorithms and graph pattern queries for ranking, clustering, and path analysis in a graph model of your data. You can use graph features to detect anomalous patterns, identify communities, and find new connections in your data. Then, you can use graphs in your applications, for example, for fraud detection in banking, improved traceability in smart manufacturing, building linked data applications, and more; all while gaining enterprise-grade security, ease of data ingestion, and support for a wide range of workloads.

Autonomous Database includes all the graph capabilities from Oracle Database. In addition, it includes Graph Studio, which further automates graph data management and simplifies modeling, analysis, and visualization across the graph analytics lifecycle.

About Oracle Graph Studio with Autonomous Database

Graph Studio features include automated modeling to create graphs from database tables, an integrated notebook to run graph queries and analytics, and native graph and other visualizations. You can invoke nearly 60 pre-built graph algorithms and visualize your data with many visualization options. Graph Studio is a fully integrated, automated feature with Autonomous Database.

See [Graph Studio: Interactive, Self-Service User Interface](#) and [Access Graph Studio Using Oracle Cloud Infrastructure Console](#) for more information on Graph Studio.



Note: Oracle Autonomous JSON Database does not include Graph Studio.

Which three are use cases for Graph Studio? (Choose three.)

- A. 3-D modelling
- B. Churn analysis
- C. Pattern matching
- D. Facial recognition
- E. Clustering

Correct Answer: ACE



Graph Studio for data scientists

Data scientists need more insights from their data, which can become more accessible through graph analytics and the creation of new engineered features. When it comes to machine learning, data scientists can include those features derived from graphs to generate new insights, such as using **clustering** to find similar customers based on the products they bought.

With Graph Studio, data scientists can efficiently analyze the connectivity in the data and enrich it through feature engineering with the Graph Studio modeler, in-memory graph server, notebooks, and end-to-end analytics flows. Then, data scientists can share the workflow and results collaboratively so others can use it for implementation in a

Through Graph Studio, data scientists can take the graph as an input, adjust it as needed, and execute algorithms and perform pattern-matching queries all within a collaborative notebook environment. Because the graph model does not mandate a fixed schema, the definition of entities and relationships as well as their properties can evolve over time without necessarily impacting all previous work. This allows for faster results and more agile development.

PGQL, a graph query language

Graph Studio provides general-purpose property graph support. PGQL is a powerful SQL-like graph query language. Analysts, developers, and data scientists can also query by using PGQL to search for surrounding nodes, traverse property paths, **pattern matching**, and extracting sub-graphs.



Introducing Graph Studio, part of Oracle Autonomous Database

With the addition of Graph Studio, Oracle Autonomous Database is now a complete, managed platform for analyzing and visualizing graph models.

With Oracle Autonomous Database, you gain a complete graph database platform that can be **deployed in minutes** with one-click provisioning, integrated tooling, and security, which makes graph analytics a possibility even for beginners.



The new comprehensive tooling includes:

- Automated graph modeling
- Extensive graph analytics and graph query support
- Advanced notebooks and integrated visualization
- Automated install, upgrade, and provisioning

Additional new features include:

- Autosave, backup, and checkpoint data restoration features
- Ability to schedule graph analysis
- Sample notebooks and pre-built templates and workflows for different graph use cases

Graph and the converged database

Graph Studio is part of the Autonomous Database, a self-service database and analytics environment that is self-driving, self-securing, and self-repairing.

Because Autonomous Database is a converged database, that means you can seamlessly perform graph analysis on data used in other systems, like data warehouses or transaction systems. You can also transparently use in-memory and partitioning features to enhance query performance and scalability.

QUESTION 2

Which set of options can be specified when defining the preferred maintenance schedule of the Exadata infrastructure for Autonomous Database Dedicated?

- A. Week of the Quarter, Day of the Week, Start Hour
- B. Month of the Year, Week of the Month, Day of the Week, Start Hour
- C. Quarter of the Year, Month of the Quarter, Date of the Month, Start Hour
- D. Month of the Quarter, Week of the Month, Day of the Week, Start Hour

Correct Answer: D

QUESTION 3

Which statement is true about the use of Access Control Lists (ACLs) with an Autonomous Database on Shared Infrastructure?

- A. When you restore a database, the existing ACLs are not overwritten by the restore.
- B. An ACL can only be set during the creation of an Autonomous Database on Shared Infrastructure.
- C. ACLs can only be used with private endpoints.
- D. An ACL can be set up for an IP address or a virtual cloud network (VCN) but not both at the same time.

Correct Answer: A

QUESTION 4

When in the SQL Monitoring tab of the Performance Hub you see a clock icon in the status column. What does this



mean?

- A. The SQL statement completed its execution.
- B. The SQL statement is executing.
- C. The SQL statement is queued.
- D. The SQL statement did not complete either due to an error.

Correct Answer: C

<https://docs.oracle.com/en-us/iaas/Content/Database/Tasks/perfhub.htm>

The Status column includes the following icons:

- A spinning icon indicates that the SQL statement is running.
- A green check mark icon indicates that the SQL statement completed its execution during the specified time period.
- A red cross icon indicates that the SQL statement did not complete. The icon displays when an error occurs because the session was terminated.
- A clock icon indicates that the SQL statement is queued.

QUESTION 5

How do you change the tablespace quota for a user on Autonomous Database on Shared Infrastructure?

- A. Execute alter database for user MTHEO tablespace DATA quota = 10G;
- B. Execute alter user MTHEO quota unlimited on tablespace DATA;
- C. Execute DBMS_CLOUD_ADMIN.GRANT_TABLESPACE_QUOTA (username => 'MTHEO', tablespace__quota => 'UNLIMITED');
- D. Execute alter tablespace DATA setquota = 10G;

Correct Answer: C

<https://docs.oracle.com/en/cloud/paas/autonomous-database/adbsa/dbms-cloud-admin.html#GUID4DC6A536-DC78-43FE-B173-CED1F9FB45A0>

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