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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

According to Oracle documentation, it is a best practice whenplanning and instituting Access Controls for your Autonomous Dedicated environment regarding Subnets, Compartments and User Groups.

Which statement is true?

A. Create a separate VCN that contains only public subnets

B. Only 1 of each is allowed to be allocated per environment.

C. Only 1 Subnet and 1 Compartment are allowed, multiple Groups highly advised.

D. Create at least 2 of each resource

Correct Answer: D

Refer to Best Practices When Planning and Instituting Access Controls section in the https:// docs.oracle.com/en/cloud/paas/autonomous-database/atpfg/plan-and- create-accessconstraints1.html#GUID-ED48C3D3-FC0F-41D5-882A-FC2D916FD6AA https://docs.oracle.com/en/cloud/ paas/autonomous-database/atpfg/plan-and-create- accessconstraints1.Html

Best Practices When Planning and Instituting Access Controls

When planning and instituting your access controls for the dedicated infrastructure feature, you should consider these best practices.

- **Create a separate VCN that contains only private subnets.** In almost every case, the Autonomous Databases created on dedicated infrastructure house data that is company-sensitive and is normally accessible only from within the company's private network. Even the data shared with partners, suppliers, consumers and customers is made available to them through regulated, secure channels.

  Therefore, the network access you provide to such databases should be private to your company. You can ensure this by creating a VCN that uses private subnets and an IPSec VPN or FastConnect to connect to your company's private network. For information about setting up such a configuration, see *Scenario B: Private Subnets with a VPN* in *Oracle Cloud Infrastructure Documentation*.

  For additional information about securing network connectivity to your databases, see *Ways to Secure Your Network* in *Oracle Cloud Infrastructure Documentation*.

- **Create at least two subnets.** You should create at least two subnets: one for Autonomous Exadata Infrastructure and Autonomous Container Database resources and one for resources associated with clients and applications of Autonomous Database.

- **Create at least two compartments.** You should create at least two compartments: one for Autonomous Exadata Infrastructure and Autonomous Container Database resources and one for Autonomous Database resources.

- **Create at least two groups.** You should create at least two groups: one for fleet administrators and one for database administrators.

QUESTION 3

Which two of the followingstatements are correct?

A. ODI Web Edition is available only on Oracle Linux.

B. ODI Web Edition can be installed from Oracle Cloud Infrastructure (OCI) Marketplace.

C. The Data Transforms Card provides access to Oracle Data Integrator (ODI) Web Edition.

D. All of the capabilities of ODI Classic are available with ODI Web Edition,

Correct Answer: AB

QUESTION 4

You need to set up a notification for a scheduled shutdown of an Autonomous Database instance. What should youdo?

A. Add a "BEFORE SHUTDOWN ON DATABASE" trigger within the database

B. Create a rule for the Oracle Cloud Infrastructure Event for "Autonomous Database STOP END"

C. Create a notification alert using DBMS_SNMP package

D. Create an Oracle Cloud Infrastructure Alarm for Shutdown metric

Correct Answer: B

3. Fill out the dialog box:

   ○ **DISPLAY NAME** : Provide a name, such as the event type that you will be choosing; in this lab, the event type will be Autonomous Database - Stop End.

   ○ **DESCRIPTION** : Provide a description.

Under **Rule Conditions**

   ○ **Condition:** Event Type
   ○ **SERVICE NAME**: Database
   ○ **EVENT TYPE** : Choose **Autonomous Database - Stop End** from the drop down menu.

Under **Actions**

   ○ **ACTION TYPE**: Notifications
   ○ **NOTIFICATIONS COMPARTMENT**: Choose your compartment.
   ○ **TOPIC**: Choose the topic created earlier, **Database-Notification**.

QUESTION 5

Which statement is correct about the Service consolein an Autonomous Database?

A. You can use Service console to enable or disable auto scaling of Autonomous DB

B. You can use Service console to manage runaway SQL statements on Autonomous DB

C. You can use Service console to move Autonomous DB betweencompartments

D. You can use Service console to create manual backups of Autonomous database

Correct Answer: B

QUESTION 6

Which statement isFALSE for Oracle Data Safe? (Choose the best answer.)

A. Oracle Data Safe helps you assess the security of your cloud database configurations by analyzing database configurations

B. Oracle Data Safe evaluates user types, how users are authenticated, and the password policies assigned to each

user

C. Oracle Data Safe only supports Autonomous Databases

D. Oracle Data Safe helps you find sensitive data in your database by inspecting the actual data in your database and its data dictionary

Correct Answer: C

QUESTION 7

Which two statements are true about accessing Autonomous Database Tools?

A. Access to Database Actions is available for all users of Autonomous Database.

B. Oracle Machine Learning is available only with Autonomous Data Warehouse (ADW) Database.

C. SQL Developer Web is available exclusively on the Autonomous Database.

D. Database Actions is accessible from a server running on the same virtual cloud network (VCN) when the Autonomous Database is configured with Private Endpointnetworking.

E. Oracle APEX can be accessed only from the Developer menu in the Service Console.

Correct Answer: DE

QUESTION 8

Which two actions are available to perform when an Autonomous Database is stopped?

A. Start

B. Update Network Access

C. Change administrator password

D. UpdateLicense Type

Correct Answer: AD

QUESTION 9

Which two statements are FALSE about creating a metadata-only clone with a private endpoint network access option?

A. Current settings for ACLs are cloned.

B. Clone can be in a different region.

C. All OML notebooks are cloned.

D. All underlying data for OML notebooks is cloned.

E. All resource management rules are cloned.

Correct Answer: BD

https://docs.oracle.com/en/cloud/paas/autonomous- database/adbsa/autonomous-clone-notes.html#GUIDF943E7FF-8DEB-47F4-84C0- FFA5BAF9D5A9

QUESTION 10

Which option is not available to pick (no.of days) when configuring the backup retention for Oracle Container Database.

A. 120

B. 60

C. 15

D. 7

Correct Answer: A

Backup Retention If you choose to enable automatic backups, you can choose one of the following preset retention periods: 7 days, 15 days, 30 days, 45 days, or 60 days. The system automatically deletes your incremental backups at the end of your chosen retention period.

https://docs.oracle.com/en-us/iaas/Content/Database/Tasks/backingupOS.htm

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QUESTION 11

Which three event types are supported for Autonomous Database?

A. Terminate End

B. Maintenance Begin

C. Change Compartment Begin

D. Change Autoscaling Configuration Compartment

E. Update IORM Begin

Correct Answer: ABC

https://docs.oracle.com/en-us/iaas/Content/Events/Reference/eventsproducers.htm

| Autonomous Database - Terminate Begin | com.oraclecloud.databaseservice.deleteautonomousdatabase.begin | [|
| Autonomous Database - Terminate End | com.oraclecloud.databaseservice.deleteautonomousdatabase.end | [|

Graphical user interface, application Description automatically generated with medium confidence

| Autonomous Database - Change Compartment Begin | com.oraclecloud.databaseservice.changeautonomousdatabasecompartment.begin | [|
| Autonomous Database - Change Compartment End | com.oraclecloud.databaseservice.changeautonomousdatabasecompartment.end | [|

QUESTION 12

Which statement is FALSE about Autonomous Database Maintenance on dedicated Exadata infrastructure?

A. If a scheduled container database maintenance run cannot take place, Oracle will automatically reschedule thecontainer database maintenance for the following quarter.

B. Autonomous Exadata Infrastructure maintenance takes place at least once each quarter and is

mandatory.

C. You can change your container database maintenance window or reschedule a single container database maintenance run to ensure that your container database maintenance runs follow infrastructure maintenance within the same quarter.

D. Autonomous Exadata Infrastructure maintenance runs are for infrastructure patching (including patching of theExadata grid infrastructure code and operating systems updates), and include database patching.

Correct Answer: D

Exadata infrastructure maintenance takes place at least once each quarter and is mandatory.

If a scheduled container database maintenance run cannottake place (because of changes made to infrastructure maintenance scheduling or other reasons) , Oracle will automatically reschedule the container database maintenance for the following quarter.

You can change your container database maintenance window or reschedule a single container database maintenance run to ensure that your container database maintenance runs follow infrastructure maintenance within the same quarter. Exadata infrastructure maintenance patches the Exadata infrastructure (including patching of the Exadata grid infrastructure code and operating systems updates), and DO NOT include database patching.

QUESTION 13

Oracle Autonomous Database on Dedicated Infrastructure is composed of which Oracle Cloud resources?

A. Virtual Cloud Network, Compartments, Policies, and Autonomous Exadata infrastructure

B. Oracle Machine Learning ZeppelinNotebook, Autonomous Exadata infrastructure, Fleet Administrator, and Database Administrator

C. Autonomous Exadata infrastructure, Autonomous Backup, Autonomous Container Database, and Autonomous Database

D. Fleet Administrator, Database Administrator, Database User, and Autonomous Exadata infrastructure

Correct Answer: C

QUESTION 14

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 15

Which three of the following data sources are available when using the Data Load page on Database Actions?

A. Files in Oracle Cloud Storage

B. Backup files in block storage

C. Local Files

D. Files in AWS S3 Storage

E. REST endpoints

Correct Answer: ACD

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