

# 1Z0-931-21<sup>Q&As</sup>

Oracle Autonomous Database Cloud 2020 Specialist

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**QUESTION 1**

Which three statements are true about procedures in the DBMS\_CLOUD package? (Choose three.)

- A. The DBMS\_CLOUD.PUT\_OBJECT procedure copies a file from Cloud Object Storage to the Autonomous Data Warehouse.
- B. The DBMS\_CLOUD.CREATE\_CREDENTIAL procedure stores CloudObject Storage credentials in the Autonomous Data Warehouse database.
- C. The DBMS\_CLOUD.VALIDATE\_EXTERNAL\_TABLE procedure validates the source files for an external table, generates log information, and stores the rows that do not match the format options specified for the external table in a badfile table on Autonomous Data Warehouse.
- D. The DBMS\_CLOUD.DELETE\_FILE procedure removes the credentials file from the Autonomous Data Warehouse database.
- E. The DBMS\_CLOUD.CREATE\_EXTERNAL\_TABLE procedure creates an external table on files in the cloud. You can run queries on external data from the Autonomous Data Warehouse.

Correct Answer: BCE

**DELETE\_FILE Procedure**

This procedure removes the specified file from the specified directory on Autonomous Data Warehouse.

**CREATE\_CREDENTIAL Procedure**

This procedure stores Cloud Object Storage credentials in the Autonomous Data Warehouse database.

Use stored credentials for data loading or for querying external data residing in the Cloud.

**PUT\_OBJECT Procedure**

This procedure copies a file from Autonomous Data Warehouse to the Cloud Object Storage. The maximum file size allowed in this procedure is 5 gigabytes (GB).

**VALIDATE\_EXTERNAL\_TABLE Procedure** This procedure validates the source files for an external table, generates log information, and stores the rows that do not match the format options specified for the external table in a badfile table on Autonomous Data Warehouse. **CREATE\_EXTERNAL\_TABLE Procedure** This procedure creates an external table on files in the Cloud. This allows you to run queries on external data from Autonomous Data Warehouse.

To use Data Pump from ADB, a credential identifying the Object Storage bucket to use must be defined with a DBMS\_CLOUD.CREATE\_CREDENTIAL function. This will allow ADB to access objects that are stored in the object store, including dump files. To export an existing database to prepare for import into ADB, use the XTP command and add the exclude option for database functionality that is not recommended or supported in ADB. This will prevent errors during the import process. This process is not automatic. And if the logs are not moved, you will receive a warning when running the MDB that the logs are not there. In this example, we're moving the log import.log to object store with a DBMS\_CLOUD.PUT\_OBJECT command.

**VALIDATE\_EXTERNAL\_TABLE Procedure** This procedure validates the source files for an external table, generates log information, and stores the rows that do not match the format options specified for the external table in a badfile table on Autonomous Database. The overloaded form enables you to use the operation\_id parameter. **PUT\_OBJECT Procedure** This procedure copies a file from Autonomous Database to the Cloud Object Storage. The maximum file size

allowed in this procedure is 5 gigabytes (GB) DELETE FILE Procedure This procedure removes the specified file from the specified directory on Autonomous Database. CREATE\_EXTERNAL\_TABLE Procedure This procedure creates an external table on files in the Cloud. This allows you to run queries on external data from Autonomous Database.

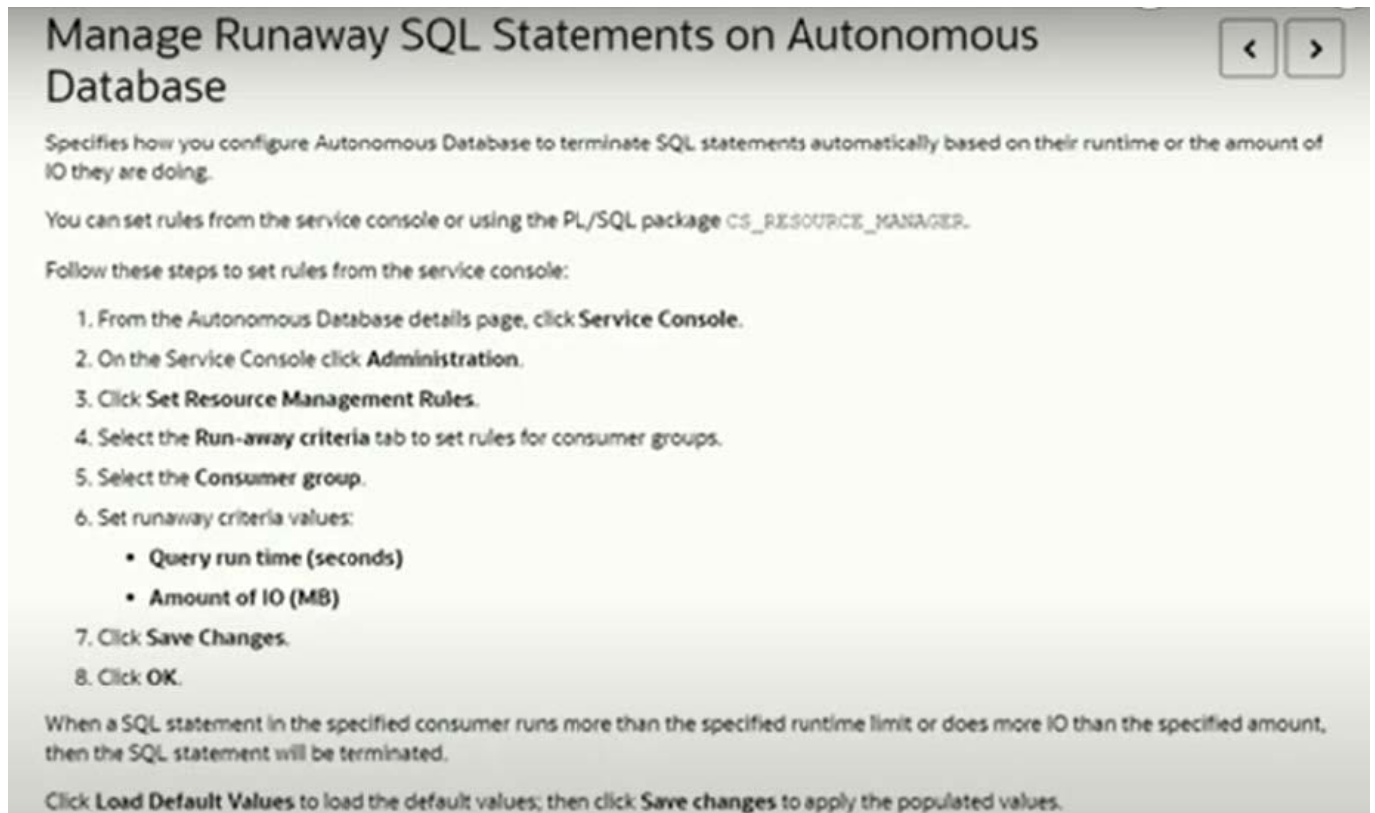
## QUESTION 2

Which four file formats are supported when loading data from Cloud Storage?

- A. DOC
- B. AVRO
- C. JSON
- D. DDL
- E. Dcsv
- F. Parquet

Correct Answer: BCEF

## QUESTION 3



**Manage Runaway SQL Statements on Autonomous Database**

Specifies how you configure Autonomous Database to terminate SQL statements automatically based on their runtime or the amount of IO they are doing.

You can set rules from the service console or using the PL/SQL package `CS_RESOURCE_MANAGER`.

Follow these steps to set rules from the service console:

1. From the Autonomous Database details page, click **Service Console**.
2. On the Service Console click **Administration**.
3. Click **Set Resource Management Rules**.
4. Select the **Run-away criteria** tab to set rules for consumer groups.
5. Select the **Consumer group**.
6. Set runaway criteria values:
  - **Query run time (seconds)**
  - **Amount of IO (MB)**
7. Click **Save Changes**.
8. Click **OK**.

When a SQL statement in the specified consumer runs more than the specified runtime limit or does more IO than the specified amount, then the SQL statement will be terminated.

Click **Load Default Values** to load the default values; then click **Save changes** to apply the populated values.

Which three are Oracle-recommended best practices for Autonomous Database alarms?

- A. Suppress alarms during investigations.
- B. Create multiple alarm metrics.
- C. Create a single alarm for each metric.
- D. Select the correct alarm interval for your metric.
- E. Routinely tune your alarms.
- F. Use a single interval for all alarms.

Correct Answer: ADE

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#### QUESTION 4

Which is NOT needed to manage Oracle Autonomous Database with REST APIS?

- A. User's OCID
- B. Tenancy's OCID
- C. Database ADMIN password
- D. Fingerprint of the public key

Correct Answer: C

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#### QUESTION 5

Which method will NOT permit you to change the database Admin Password of a Autonomous Database on Shared Infrastructure?

- A. Admin page of the Cloud Service Console
- B. OCI CLI
- C. OS command line from the database server.
- D. SQLDeveloper

Correct Answer: C

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#### QUESTION 6

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

- 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 7

How can an Autonomous Database resource be provisioned without logging into the Oracle Cloud Infrastructure console?

- A. It cannot be done.
- B. Using Database Configuration Assistant (DBCA) on the database server.
- C. Using the Oracle Cloud Infrastructure Command Line interface tool or REST API calls.
- D. Connecting to the Cloud Infrastructure Command console via SSH wallet.

Correct Answer: C

The CLI is a small footprint tool that you can use on its own or with the Console to complete Oracle Cloud Infrastructure tasks. The CLI provides the same core functionality as the Console, plus additional commands.

<https://blogs.oracle.com/datawarehousing/managing-autonomous-data-warehouse-using-oci-curl>

Examples of using Autonomous Database managing by REST API

<https://oracle.github.io/learning-library/workshops/autonomous-transaction-processing/LabGuide900ConfigureOCI-CLI.md>

## QUESTION 8

In the Autonomous Database (ADB) Dedicated service, what does the fleet administrator use to control OCPU utilization?

- A. Oracle Machine Learning notebook
- B. Compartment quotas
- C. Resource Manager settings
- D. SQL Developer Web Console

Correct Answer: B

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

## Compartment Quotas for Autonomous Databases

You can use compartment quotas to control how Autonomous Database OCPU and storage resources are allocated to Oracle Cloud Infrastructure compartments. You can use compartment quota policy statements to control OCPU and storage resources by both [workload type](#) and [Exadata infrastructure type](#). For example, you can allocate 10 Autonomous Transaction Processing OCPUs on shared Exadata infrastructure to a specific compartment. This would not affect the number of OCPUs available to Autonomous Data Warehouse databases, or databases using dedicated Exadata infrastructure. For more information on using compartment quotas, see [Compartment Quotas](#) and [Database Quotas](#).

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### QUESTION 9

While creating an Autonomous Container Database on dedicated infrastructure through the Oracle Cloud Infrastructure(OCI) console, which patch type is offered to be applied during maintenance?

- A. Release Update (RU)
- B. Prior Release Update Revision (PRUR)
- C. Prior Release Update (PRU)
- D. Quarterly Bundle Patch (QBP)

Correct Answer: A

On the Edit Automatic Maintenance card, select Release Update (RU) or Release Update Revision (RUR) from the Maintenance type list.

Note:

Currently, the Release Update Revision (RUR) maintenance type is not a selectable option. When release update revisions become available for Autonomous Database, this option will become selectable.

Reference: <https://docs.oracle.com/en-us/iaas/autonomous-database/doc/change-maintenance-typeacd1.html>

**QUESTION 10**

A Corporation is building a web application to allow its customers to schedule service requests online. There is also a need to run operational reports at times during non-peak hours. The architecture team is debating whether such reports should be run on the OLTP database or in a separate data mart. The DBA Manager does not want to add anymore admin responsibility to the team and is looking for a database option that's low to zero maintenance, but meets their strict performance requirements as well.

Which Oracle Cloud Infrastructure database service is appropriate for this scenario?

- A. Since the application needs to be highly available, it should to be deployed on a Kubernetes Cluster.
- B. ADW since operational reporting is a higher priority in this scenario.
- C. It is best to build a separate data warehouse, and move the OLTP data on a nightly basis.
- D. ATP. Using 'tpurgent' and 'high' TNS services to separate connection types.

Correct Answer: D

Autonomous Transaction Processing provides all of the performance of the market leading Oracle Database in an environment that is tuned and optimized to meet the demands of a variety of applications, including: mission-critical transaction processing, mixed transactions and analytics, IoT, and JSON document store.

As a service Autonomous Transaction Processing does not require database administration. With Autonomous Transaction Processing you do not need to configure or manage any hardware, or install any software. Autonomous Transaction Processing handles creating the database, backing up the database, patching and upgrading the database, and growing or shrinking the database.

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**QUESTION 11**

Which option should you use to create a graph with Graph Studio?

- A. A graph license key
- B. NoSQL configuration
- C. Graph created by a special tool downloaded from oracle.com
- D. Graph analytics algorithms
- E. Tables in an Autonomous Database instance

Correct Answer: E

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**QUESTION 12**

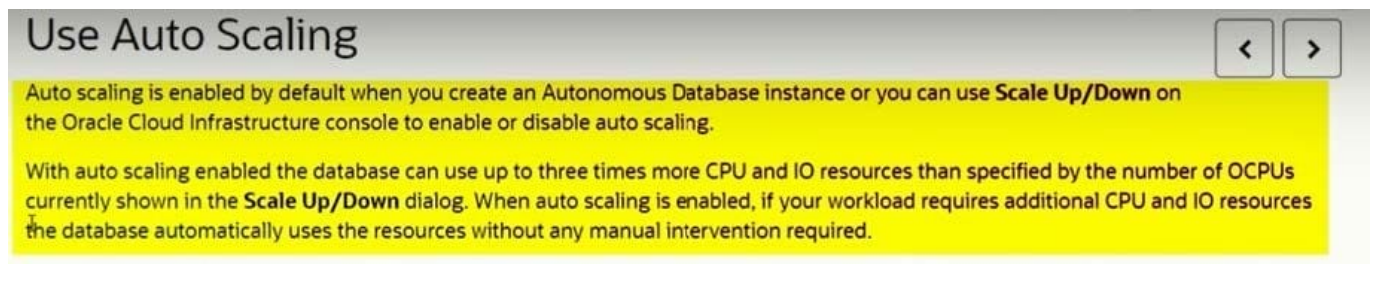
When enabling auto-scaling, which three options do not change?

- A. Number of OCPUs displayed in the console.

- B. Amount of storage
- C. I/O resources
- D. parallelism settings
- E. Level of concurrency

Correct Answer: BDE

Explanation: <https://docs.oracle.com/en/cloud/paas/autonomous-database/adbsa/autonomous-autoscale.html#GUID-27FAB1C1-B09F-4A7A-9FB9-5CB8110F7141>



The screenshot shows a dialog box titled "Use Auto Scaling" with a yellow background. It contains the following text: "Auto scaling is enabled by default when you create an Autonomous Database Instance or you can use **Scale Up/Down** on the Oracle Cloud Infrastructure console to enable or disable auto scaling." Below this, it states: "With auto scaling enabled the database can use up to three times more CPU and IO resources than specified by the number of OCPUs currently shown in the **Scale Up/Down** dialog. When auto scaling is enabled, if your workload requires additional CPU and IO resources the database automatically uses the resources without any manual intervention required." There are navigation arrows in the top right corner.

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#### QUESTION 13

When using Data Pump to migrate your Oracle database to Autonomous Database, which two objects are imported?

- A. Data
- B. Schemas
- C. Tablespaces
- D. Reports

Correct Answer: AB

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#### QUESTION 14

Which native data type is used to store spatial information?

- A. SDO\_RELATE
- B. SDO\_GEOMETRY
- C. SDO\_LOCATION
- D. GEO\_JSON

Correct Answer: B

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#### QUESTION 15



Which can be Scaled Independently of the number of CPUs In an Autonomous Database?

- A. Parallelism
- B. Storage
- C. Concurrency
- D. Memory
- E. Sessions

Correct Answer: B

<https://docs.oracle.com/en/cloud/paas/autonomous-database/adbsa/autonomous-keyfeatures.html#GUID-7D0627D9-1B40-40B1-865A-84FF65A65846> Key Features Fully elastic scaling: Scale compute and storage independently to fit your database workload with no downtime:

- **Fully elastic scaling:** Scale compute and storage independently to fit your database workload with no downtime:
  - Size the Autonomous Database to the exact compute and storage required
  - Scale the Autonomous Database on demand: Independently scale compute or storage
  - Shut off idle compute to save money

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