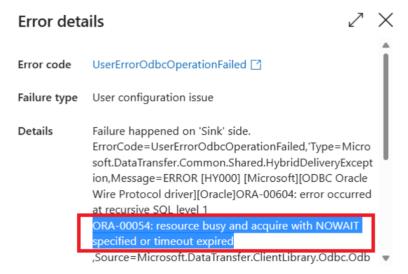
Copy activity fails when oracle database as sink while using parallel copy

Last updated by | Anil K B | Mar 10, 2023 at 2:50 AM PST



Issue Summary

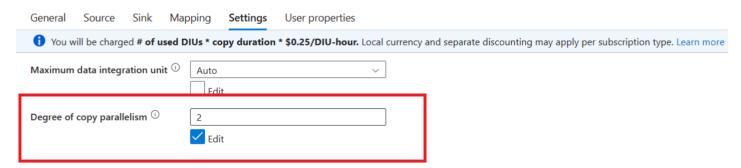
- Issue when copying data from data-lake gen2 to Oracle database throws an error: ORA-00054 Resource Busy
- Copy from ADLS Gen2 to an oracle database fails with the error below:



Note1

This error is somehow common in oracle when a table is locked and other process try to perform a DML operation in it.

• However, in our case, it is caused by the Oracle Driver when the degree of parallelism configured in the copy activity settings is greater than 1 and it is an error caused by the Oracle driver in ADF:



This issue only happens when the source is Data Lake Gen2 because, the sql statement (which must be hardcoded in the driver code) uses an oracle hint for bulk insertions:



Workaround

• To overcome this issue, the recommendation is to use the enableBulkLoad = 0 in the Additional connection properties as shown below:

• Or, if the customer is using a keyvault, to add the property to the oracle connection string:

host=Camilo.COM;port=1521;servicename=Camilo_SRV1;user id=me; enableBulkLoad=0;password=****

• As a result of above changes, we can see that the SYS_DL_CURSOR oracle hint does not exist at all:



• And we can see two parallel queries running: 426 and 448 session ids (SID).

Note1

• We're checking with the progress team to see if this can be imporvised to support both DOCP and bulk insert at oracle sink side.

Additional Information

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