Control-M/Server's very first new day cleaning is very slow when there are many jobs to be cleaned and the Control-M/Server database is Oracle

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PRODUCT:

Control-M/Server for UNIX and Microsoft Windows

COMPONENT:

Control-M/Server for UNIX and Microsoft Windows

APPLIES TO:

Control-M/Server for UNIX and Microsoft Windows 9.0.00 using Oracle as database

PROBLEM:

When the AJD (AJF) of a newly installed upgraded Control-M/Server has many jobs (for example, more than 40,000), the cleaning of jobs during New Day will take a long time. While the problem manifests itself, the 'ctmdbtrans' output will show the following activities:

  delete from DELETE_ORDERNOS where ORDERNO........

The next New Day will perform much better (similar to how it had performed prior to the upgrade if the Control-M/Server was upgraded).

CAUSE:

CAR00132609 - New Day is slow when Control-M Server has many smart folders

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SOLUTION:

Until the defect is corrected, the solution is to create an index which will speed access to the necessary information. This can be accomplished by having your DBA perform the following SQL in the Control-M/Server database schema.

  create index SMART_ORD on CMR_AJF (SMART_ORDERNO);

If the problem persists after the creation of the index, the Oracle DBA should ensure that statistics are being properly computed on a regular basis. We can check the last time statistics were run with the following query:

  select table_name,last_analyzed from user_tables where table_name like 'CMR_%' order by 2;

If the date is not present or shows an old date, the Oracle DBA can update statistics manually by running:

  Execute
SYS.DBMS_STATS.GATHER_SCHEMA_STATS(OWNNAME=>'{CTM_OWNER}',ESTIMATE_PERCENT=>30,CASCADE=>

where {CTM_OWNER} is the schema owner of the M/Server database. If this is the case, the Oracle DBA should ensure the statistics get regularly updated moving forward.

Article Number:

000134732

Article Type:

Solutions to a Product Problem

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