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Cloud Migration Advisor - CSV Exporter Script

How to collect source database metadata with
the Cloud Migration Advisor CSV Exporter
Script

Public

Purpose statement

This document explains how to collect database metadata information about the database you wish to migrate using the Cloud Migration Advisor (CMA) CSV Exporter Script. CMA will analyse the metadata collected by the script and provide recommendations about migration methods and targets.

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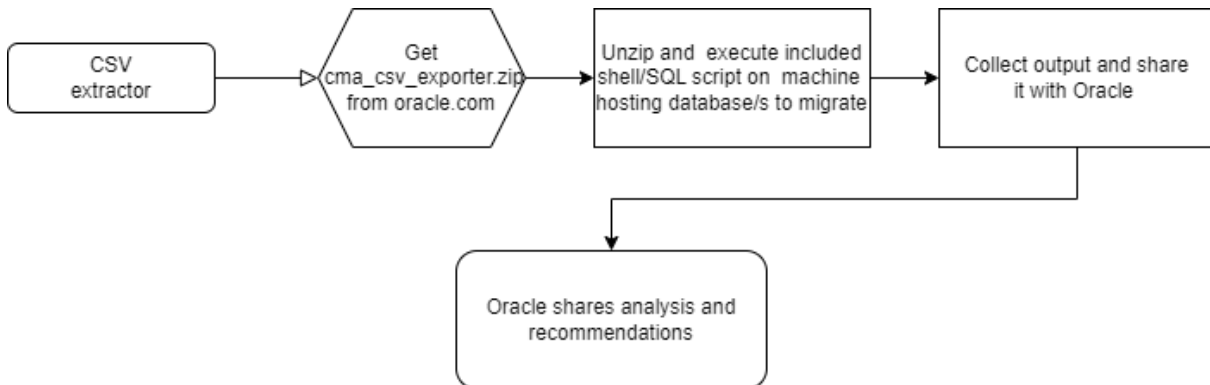
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Cloud Migration Advisor

The Cloud Migration Advisor is a tool used by Oracle to analyse your database metadata and provide recommendations about migration methods and targets for one or more databases.

Your source database metadata can be collected in various ways. This document describes how to collect metadata using a SQL script that stores it in a CSV file.

You can find the SQL script and additional information about CMA at: www.oracle.com/goto/upgrade

Process flow

Collecting and analysing Source Database Metadata

Get the `cma_csv_exporter.zip` file from www.oracle.com/goto/upgrade, unzip it and execute it on your source database(s). The CSV script creates a CSV file containing metadata information from the source database(s). Please share this CSV file with your Oracle contact.

Step-by-step instructions

1. Download the `cma_csv_exporter.zip` file from `https://www.oracle.com/goto/upgrade`

2. Upload the ZIP file to the host(s) containing the database(s) you want to migrate and unzip the file: `unzip cma_csv_exporter.zip`

3. You have two choices to collect source database metadata depending on how many databases you want to migrate on this host and whether an "oratab" file exists in your environment

   a. **If you want to migrate all databases on this host and an "oratab" file exists**:
   Execute the shell script `sh ./cma_<platform>.sh` located in the `cma_csv_exporter` directory that matches your platform. The script will step through the `oratab` file and collect metadata from all databases mentioned in it.

```
[ORACLE@LOCALHOST CMA/CSV_EXPORTER>
[ORACLE@LOCALHOST CMA/CSV_EXPORTER> CAT /ETC/ORATAB
EBSDB:/U01/INSTALL/APPS/12.1.0:N
[ORACLE@LOCALHOST CMA/CSV_EXPORTER>
[ORACLE@LOCALHOST CMA/CSV_EXPORTER> SH ./CMA_LINUX.SH
START CMA CSV EXPORTER.
```

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```
EBSDB: INSTANCE NAME = DB_UNIQUE_NAME (SINGLE INSTANCE DATABASE)
THE ORACLE BASE HAS BEEN SET TO /U01/INSTALL/APPS/12.1.0
EXECUTING CMA_COLLECTOR
PLEASE WAIT ...
...
METGROUP, METITEM     , ID               , VALUE
BEGIN  , DATE        ,                    , 2023-02-10T07:58:58
COLLECT , USER       ,                    , SYS
...
END    , DATE        ,                    , 2023-02-10T07:58:58

GENERATED CMA_LOCALHOST_EBSDB_20230210_0758.CSV

GENERATED CMA_OUTPUT_LOCALHOST_20230210.ZIP

END CMA CSV EXPORTER. OUTPUT: CMA_OUTPUT_HOSTNAME_YYYYMMDD.ZIP

[ORACLE@LOCALHOST CMA/CSV_EXPORTER>
```

b. **If you want to migrate one database on this host or no oratab file exists:**
Go to the environment of the database from which you want to collect metadata information, go to the `cma_csv_exporter/sql` directory and execute the SQL script `cma_collect.sql:`

```
[ORACLE@LOCALHOST CMA/CSV_EXPORTER/SQL> SQLPLUS SYSTEM/MANAGER @CMA_COLLECT.SQL

SQL*PLUS: RELEASE 12.1.0.2.0 PRODUCTION ON FRI FEB 10 08:09:53 2023

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LAST SUCCESSFUL LOGIN TIME: WED FEB 08 2023 10:15:35 +00:00

CONNECTED TO:
ORACLE DATABASE 12C ENTERPRISE EDITION RELEASE 12.1.0.2.0 - 64BIT PRODUCTION
WITH THE PARTITIONING, OLAP, ADVANCED ANALYTICS AND REAL APPLICATION TESTING OPTIONS

EXECUTING CMA_COLLECTOR
PLEASE WAIT ...
...
METGROUP, METITEM     , ID               , VALUE
BEGIN  , DATE        ,                    , 2023-02-10T08:09:53
COLLECT , USER       ,                    , SYSTEM
...
END    , DATE        ,                    , 2023-02-10T08:09:53

GENERATED CMA_LOCALHOST_EBSDB_20230210_0809.CSV

GENERATED CMA_OUTPUT_LOCALHOST_20230210.ZIP
[ORACLE@LOCALHOST CMA/CSV_EXPORTER/SQL>
```

4. Both choices provide a ZIP file named `cma_output_<hostname>_<date>.zip`

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5. Share the zip file with your Oracle contact by email, your FTP site or sftp.oracle.com (please see MOS note External Access to Oracle SFTP (Doc ID 2813938.1))

6. The Oracle contact analyses the metadata with the Cloud Migration Advisor, generates recommendations about potential migration targets and methods, and shares them with you.

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