Enabling IBM DB2 Table Compression in Informatica MDM Hub
Abstract
Informatica MDM Hub 9.0.2 IBM DB2 supports row compression for ORS tables. This article outlines the steps for enabling compression for the ORS and lists the limitations when using table compression in the Hub.

Supported Versions
- MDM Multidomain Edition for Oracle 9.0.2

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About IBM DB2 Table Compression for Informatica MDM Hub
Informatica MDM Hub table compression uses row compression to reduce the amount of disk space required for storing tables. Row compression reduces the disk space requirements by replacing patterns of values that repeat across rows with shorter symbol strings.

Table compression can also reduce disk I/O since more data can be stored in each database page. See the IBM DB2 documentation for more information about IBM DB2 table compression.

The indicator column C_REPOS_DB_RELEASE.COMPRESSION_IND in the C_REPOS_DB_RELEASE table in Informatica MDM Hub 9.0.2 is introduced to support row compression mode. A value of 1 indicates compression is turned on and a value of 0 indicates compression is turned off. The default value is 0. When the compression mode indicator is set to 1, tables created by the Hub thereafter are created in row compression mode.

Limitations
Compression is not supported for tables in the master schema (CMX_SYSTEM).

Enabling Compression for Existing ORS Tables
You can enable compression for all ORS tables.
1. Run the following command from the DB2 command line interface:
   
   dbantcmd compress_tables
   
   All ORS tables are converted to the compressed format and C_REPOS_DB_RELEASE.COMPRESSION_IND is set to 1.
2. Restart Informatica MDM Hub.
Enabling Compression when Creating an ORS

When `compress.mode` is set to `true`, any ORS that is created thereafter has compression enabled.

- Set the `compress.mode` parameter in the `db-build.properties` file to `true` by doing one of the following:
  - Run the following command: `dbantcmd compile -Dcompress.mode=true`
  - Manually edit the `db-build.properties` file to set the `compress.mode` parameter to `true`.

Disabling Compression for Existing ORS Tables

You can disable compression for all ORS tables.

1. Run the following command from the DB2 command line interface:
   ```bash
dbantcmd uncompress_tables
   ```
   All ORS tables are converted to the uncompressed format and `C_REPOS_DB_RELEASE.COMPRESSION_IND` is set to `0`.
2. Restart Informatica MDM Hub.

Checking the Compression Mode for the Current ORS Tables

You can check the current compression mode for ORS tables.

- Run the following query to check the compression mode for the current ORS tables:
  ```sql
  SELECT NAME, COMPRESSION
  FROM sysilm.systables
  WHERE CREATOR = 'current_schema'
  AND TYPE = 'T'
  ```
  The value in the `COMPRESSION` column is `R` for tables in row compression mode.

Author

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