

## Release Notes

Document ID: dw\_630\_rn\_1

## 1 TeamConnect® Data Warehouse 6.3.0

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This release of Data Warehouse works with TeamConnect Enterprise 6.3.0 and the purpose is to enhance the performance and support for OpenJDK.

For complete installation and configuration details, please go to the following:

[https://success.mitrates.com/TeamConnect/TeamConnect\\_Module\\_Guides/Data\\_Warehouse/Using\\_Data\\_Warehouse/07\\_Installing\\_and\\_Configuring\\_Data\\_Warehouse](https://success.mitrates.com/TeamConnect/TeamConnect_Module_Guides/Data_Warehouse/Using_Data_Warehouse/07_Installing_and_Configuring_Data_Warehouse)

## 2 System Requirements

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Data Warehouse uses Pentaho tools (Pan, Kitchen, and Spoon). It has the following system requirements for installing and configuring:

- Source database: Data Warehouse uses the TeamConnect production database as its source database.
- Target database: Data Warehouse supports the same database brands and versions as TeamConnect. Refer to the *TeamConnect Release Notes* for details.
  - If the target database uses an Oracle database server, the Data Warehouse login must have the CREATE MATERIALIZED VIEW system privilege, in addition to the rights and privileges mentioned for Oracle in the TeamConnect release notes.
    - If there is a need for custom MATERIALIZED VIEW, then CREATE JOB privilege is needed to allow the DataWarehouse to refresh the MView right after the refresh is complete.
  - If the target database uses a SQL Server database server, its configuration must also be altered as follows:
    - ALTER DATABASE <dbname> SET ALLOW SNAPSHOT\_ISOLATION ON
    - ALTER DATABASE <dbname> SET READ\_COMMITTED\_SNAPSHOT ON
    - MSSQL Integrated Security is supported. The Attributes can be configured in the shared.xml file. shared-MSSQL.xml has the sample attributes to be configured. You could either copy those attributes to shared.xml or rename the shared-MSSQL.xml into shared.xml. DataWarehouse considers the shared.xml file only.
- The ability to use 150 simultaneous database connections on the target database and 60 connections on the source database.
- Support the OpenJDK8

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**Important:** TeamConnect Data Warehouse supersedes DataMart. Remove DataMart, following instructions in the *DataMart Administration Guide*, before installing Data Warehouse.

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### 3 Upgrading

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If you have a version of Data Warehouse earlier than 5.0, you must remove your existing Data Warehouse (see Removing the Data Warehouse), then recreate it using the instructions in the New Installations section of the Data Warehouse guide. For detailed steps for upgrading, see the installation link listed above in step 1.

### 4 Changes and Enhancements

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The following section outlines the changes and enhancements introduced in the Data Warehouse 6.3.0 release. Each resolved issue is documented in the following format:

- Enhancement
- Impact
- Internal tracking code

**Enhancement:** Upgrade Pentaho to version PDI 9.1

**Tracking Code:** TC- 36655

**Enhancement:** Incremental loading in Initial & Refresh for objects

**Impact:** In the previous Data Warehouse design, initial load processed for complete data at a time. When there is failure while processing, the job will process it from the beginning. Refresh also works in a similar way.

From this release, install and refresh will be done incrementally and keeps track of what has been processed to reduce the number of redo in case of failure.

Following are the objects upgraded for incremental loading:

- PROJECT
- ACCOUNT
- HISTORY
- INVOLVED
- INVOICE

For more information on how to resume the job, refer to [How to resume the failed refresh job?](#)

**Tracking Code:** TC-35910

**Enhancement:** Enable Materialized View Refresh refresh in DW

**Tracking Code:** TC- 36655

**Enhancement:** Gather Stat after initial and refresh

**Impact:** To improvise the database query performance

**Tracking Code:** TC- 37658

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**Enhancement:** Optimize GET\_LOAD\_TRANSFORMS\_XXXX

**Impact:** Resolve Cartesian Product to increase performance

**Tracking Code:** TC- 35912

**Enhancement:** Create bat/sh executable for refresh resume

**Impact:** The new batch/sh file allow resuming refresh when failed

**Tracking Code:** TC- 35913

**Enhancement:** Clean up unused/duplicate files in TCWH folder

**Tracking Code:** TC- 32596

**Enhancement:** Optimize WH\_CATEGORY\_UPDATE flow

**Impact:** Update trigger to update category only when the name changed.

**Tracking Code:** TC- 35911