

Teradata Tables

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8:09 PM

Global Temporary Tables	Volatile Tables
Materializes in the temporary space of the user.	Occupies space in the SPOOL allocation of the user.
Materialized instance is local to a session.	Local to a session.
Base definitions are permanent in Data Dictionary tables.	Definitions are kept in cache and go away at session end or during a Teradata Database restart.
Definitions can be materialized by any user with the necessary DML privileges. However, materialized table contents cannot be shared with other sessions.	Private to the session in which they are created.
Can be defined for COLLECT STATISTICS.	Can be defined for COLLECT STATISTICS.
Up to 2000 materialized tables per session.	Up to 1000 tables per session.
Can survive a Teradata Database restart.	Do not survive a Teradata Database reset.
An instance can be dropped manually any time during a session with DROP TEMPORARY TABLE. If not dropped manually, instance is dropped automatically at session end.	Can be dropped manually any time during a session with DROP TABLE. If not dropped manually, instance is dropped automatically at session end.
Materialized contents are not shareable with other sessions.	Contents are not shareable with other sessions.
A very large number of global tables can prolong logoff, because materialized global tables are dropped automatically at session end.	A very large number of volatile tables can prolong logoff, because volatile tables are dropped automatically at session end.

Pasted from <http://www.info.teradata.com/HTMLPubs/DB_TTU_13_10/Database_Management/B035_1093_109A/ch02.04.16.html#ww600825>