Stored Routines

ClustrixDB provides support for MySQL Stored Routines (Procedures and Functions) with the following exceptions.

Unsupported Stored Routine Features

- Altering a routine
- Creating a view which calls a stored routine - ClustrixDB will permit the creation of the view, but querying the view is unsupported.
- Creating a prepared statement that calls a stored routine
- SQL 2003 Compliant Case Statement
- RESIGNAL
- Savepoints
- Backups via stored routines (stored functions)

Caveats of the Stored Routine Feature

- MySQL does not allow dynamic SQL in stored routines, but in ClustrixDB you can use SQL prepared statements (PREPARE, EXECUTE) in stored routines.
- ClustrixDB will not report an error when encountering duplicate label names.
- When creating a table with a trailing select statement, (CREATE ... SELECT), the following data types do not translate properly:
    - BIT type will always be BIT(64)
    - DECIMAL type will become VDECIMAL
    - ENUM and SET types will always be VARCHAR(256)
- Storing a TIMESTAMP in a session variable yields 0000-00-00 00:00:00.
- ClustrixDB allows you to create a stored procedure with the same name as system built-in procedures. MySQL does not permit this. Example: CREATE PROCEDURE pi(); BEGIN; END; does not error in ClustrixDB.
- ClustrixDB allows DROP or ALTER of another stored routine from within a stored routine