

Data Types

Supported Data Types

Data Types supported by ClustrixDB include:

- BIGINT
- BINARY
- BIT
- BLOB
- BOOL
- CHAR
- DATE and DATETIME including [Fractional Seconds](#)
- DECIMAL (M,D)
- DOUBLE (M,D)
- DOUBLE PRECISION (M,D) (is treated as DOUBLE)
- ENUM ("A")
- FLOAT (M,D)
- INT
- [JSON](#)
- LONGBLOB
- LONGTEXT
- MEDIUMBLOB
- MEDIUMINT
- MEDIUMTEXT
- NUMERIC (M,D) (is treated as DECIMAL)
- REAL (is treated as DOUBLE)
- SERIAL (is treated as BIGINT(20) UNSIGNED NOT NULL AUTO_INCREMENT)
- SET ("A","B") SMALLINT TEXT TIME TIMESTAMP
- SMALLINT
- TEXT
- TIME
- TINYBLOB
- TINYINT
- TINYTEXT
- VARBINARY
- VARCHAR
- YEAR

Unsupported Data Types

ClustrixDB does not support:

- Spatial Extensions

Caveats for Data Type Support

- Boolean values (True, False, Null) are accepted in a DATETIME column. This matches the behavior for MySQL v5.5. MySQL v5.6 provides an error message.
- On ClustrixDB, supplying a zero value for day, month, or year within a date will in a zero date ('0000-00-00'). MySQL will issue an error (if the sql_mode for NO_ZERO_IN_DATE) is set, or allow zero value for the specific portion of the date.
- ClustrixDB permits table definitions that use the VARCHAR data type with no max length, and supply a default max length of 21845. MySQL does not permit this.
- When creating a column of type bit(0), MySQL will automatically create a bit(1). ClustrixDB will not allow you to create a column with type bit(0) and will provide an error message.