

# Teradata Data Type Conversions

**NOTE:** The Trifacta® data types listed in this page reflect the raw data type of the converted column. Depending on the contents of the column, the Transformer Page may re-infer a different data type, when a dataset using this type of source is loaded.

## Access/Read

Source Data Type	Supported	Trifacta Data Type
BYTE[(n)]	N	
VARBYTE[(n)]	N	
BYTEINT	Y	Integer
SMALLINT	Y	Integer
BIGINT	Y	Integer
INTEGER	Y	Integer
DECIMAL [(n[,m])]	Y	Decimal
NUMERIC [(n[,m])]	Y	Decimal
REAL	Y	Decimal
DOUBLE PRECISION	Y	Decimal
FLOAT	Y	Decimal
NUMBER(n[,m])	Y	Decimal
NUMBER[*[,m])]	Y	Decimal
DATE	Y	String
Time(0)	Y	Datetime
Time(0) WITH TIME ZONE	Y	Datetime
TIME (n)	Y	String
TIME (n) WITH TIME ZONE	Y	String
TIMESTAMP (0)	Y	String
Timestamp(0) WITH TIME ZONE	Y	Datetime
TIMESTAMP (n)	Y	Datetime
TIMESTAMP (n) WITH TIME ZONE	Y	String
INTERVAL DAY [(n)]	Y	String
INTERVAL DAY [(n)] TO HOUR	Y	String
INTERVAL DAY [(n)] TO MINUTE	Y	String
INTERVAL DAY [(n)] TO SECOND	Y	String
INTERVAL HOUR [(n)]	Y	String
INTERVAL HOUR [(n)] TO MINUTE	Y	String
INTERVAL HOUR [(n)] TO SECOND	Y	String
INTERVAL MINUTE [(n)]	Y	String

INTERVAL MINUTE [(n)] TO SECOND [(m)]	Y	String
INTERVAL MONTH	Y	String
INTERVAL SECOND [(n],[m]]	Y	String
INTERVAL YEAR [(n)]	Y	String
INTERVAL YEAR [(n)] TO MONTH	Y	String
CHAR[(n)]	Y	String
CHARACTER(n) CHARACTER SET GRAPHIC	N	
VARCHAR(n)	Y	String
CHAR VARYING(n)	Y	String
LONG VARCHAR	Y	String
LONG VARGRAPHIC	N	
VARGRAPHIC	N	
PERIOD(DATE)	N	
PERIOD(TIME (0))	N	
PERIOD(TIME (0)) WITH TIME ZONE	N	
PERIOD(TIME (n))	N	
PERIOD(TIME (n)) WITH TIME ZONE	N	
PERIOD(TIMESTAMP(0))	N	
PERIOD(TIMESTAMP(0)) WITH TIME ZONE	N	
PERIOD(TIMESTAMP(n))	N	
PERIOD(TIMESTAMP(n)) WITH TIME ZONE	N	
BLOB	N	
CLOB	Y	String
XML	Y	String
ARRAY	Y	Array
VARARRAY	Y	Array
TD_ANYTYPE	N	
VARIANT_TYPE	N	
Distinct	N	
Structured	N	
ST_CircularString	N	
ST_CompoundCurve	N	
ST_Curve	N	
ST_CurvePolygon	N	
ST_GeomCollection	N	
ST_Geometry	N	
ST_LineString	N	
ST_MultiCurve	N	

ST_MultiLineString	N	
ST_MultiPoint	N	
ST_MultiPolygon	N	
ST_MultiSurface	N	
ST_Point	N	
ST_Polygon	N	
ST_Surface	N	
JSON	Y	String

## Write/Publish

Trifacta Data Type	Teradata Column Type	Notes
Bool	VARCHAR(256)	
Integer	INT	
	INTEGER	
	SMALLINT	
	VARCHAR(256)	
String	VARCHAR(256)	
Datetime	TIMESTAMP	
	VARCHAR(256)	
Timestamp	VARCHAR(256)	
Float	FLOAT	
	DECIMAL	
	NUMERIC	
	VARCHAR(256)	
Map	VARCHAR(256)	
Array	VARCHAR(256)	

**NOTE:** If you are appending to an existing table where a column's Trifacta data type is not mapped to the column data type in the target table, a validation error is thrown, as the Trifacta platform writes unmapped types as String data type.