Snowflake Data Type Conversions

This section covers data type conversions between the Trifacta® application and Snowflake databases.

> **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 Type	**Supported**	Trifacta Data Type
NUMBER	Y	Integer
DECIMAL	Y	Integer
NUMERIC	Y	Integer
INT	Y	Integer
INTEGER	Y	Integer
BIGINT	Y	Integer
SMALLINT	Y	Integer
FLOAT	Y	Decimal
FLOAT4	Y	Decimal
FLOAT8	Y	Decimal
DOUBLE	Y	Decimal
DOUBLE_PRECISION	Y	Decimal
REAL	Y	Decimal
VARCHAR	Y	String
CHAR	Y	String
CHARACTER	Y	String
STRING	Y	String
TEXT	Y	String
BINARY	Y	String
VARBINARY	Y	String
BOOLEAN	Y	Bool
DATE	Y	String
DATETIME	Y	String
TIME	Y	String
TIMESTAMP	Y	String
TIMESTAMP_TZ	Y	Datetime
TIMESTAMP_LTZ	Y [1)]	Datetime
TIMESTAMP_NTZ	Y [2)]	Datetime
VARIANT	N	

OBJECT	N	
ARRAY	N	

Notes:

1. Convert to Datetime using local timezone of the Snowflake connector
2. Convert to Datetime using UTC

Write/Publish

Trifacta Data Type	**Supported**	**Snowflake Type**	**Notes**
Array	N		
Bool	Y	BOOLEAN	
Date	Y	TIMESTAMP	See below.
Datetime	Y	TIMESTAMP	
Time	Y	TIME	
Float	Y	FLOAT	
Integer	Y	BIGINT	
Map	N		
String	Y	VARCHAR	

Notes on Date publishing:

> **NOTE:** Trifacta Date columns can be published to existing Snowflake columns of Date, Datetime, and String type.

When Dates are published to Snowflake, the following date formats are supported. In some cases, missing data is inserted into the output value.

Trifacta date format	**Snowflake date format**
yy-dd-mm	yy-dd-mm
yy-mm-dd	yy-mm-dd
dd-mm-yy	dd-mm-yy
mm-dd-yy	mm-dd-yy
mm-yy	mm-yy
dd-mm	1970-dd-mm
mm-dd	1970-mm-dd
mm-yy	mm-yy-01

- On publication, all dates are written in the following format: `yyyy-mm-dd`.
- No other date formats are supported for writing to Snowflake as date values.