***SSIS to SQL server Data type Transformation***

Table: Data transformation

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| **SSIS Data Type** | **SSIS Expression** | **SQL Server** |
| single-byte signed integer | (DT\_I1) |  |
| two-byte signed integer | (DT\_I2) | smallint |
| four-byte signed integer | (DT\_I4) | int |
| eight-byte signed integer | (DT\_I8) | bigint |
| single-byte unsigned integer | (DT\_UI1) | tinyint |
| two-byte unsigned integer | (DT\_UI2) |  |
| four-byte unsigned integer | (DT\_UI4) |  |
| eight-byte unsigned integer | (DT\_UI8) |  |
| float | (DT\_R4) | real |
| double-precision float | (DT\_R8) | float |
| string | (DT\_STR, «length», «code\_page») | char, varchar |
| Unicode text stream | (DT\_WSTR, «length») | nchar, nvarchar, sql\_variant, xml |
| date | (DT\_DATE) | date |
| Boolean | (DT\_BOOL) | bit |
| numeric | (DT\_NUMERIC, «precision», «scale») | decimal, numeric |
| decimal | (DT\_DECIMAL, «scale») | decimal |
| currency | (DT\_CY) | smallmoney, money |
| unique identifier | (DT\_GUID) | uniqueidentifier |
| byte stream | (DT\_BYTES, «length») | binary, varbinary, timestamp |
| database date | (DT\_DBDATE) | date |
| database time | (DT\_DBTIME) |  |
| database time with precision | (DT\_DBTIME2, «scale») | time(p) |
| database timestamp | (DT\_DBTIMESTAMP) | datetime, smalldatetime |
| database timestamp with precision | (DT\_DBTIMESTAMP2, «scale») | datetime2 |
| database timestamp with timezone | (DT\_DBTIMESTAMPOFFSET, «scale») | datetimeoffset(p) |
| file timestamp | (DT\_FILETIME) |  |
| image | (DT\_IMAGE) | image |
| text stream | (DT\_TEXT, «code\_page») | text |
| Unicode string | (DT\_NTEXT) |  |