

Using Date Function in DBSync Integration

Using Date function in DBSync

Date has always been one of the most complex functions to be used in integration. DBSync has in-built date function that can be used in the mappings to convert date from source to target format.

Along with the in-built date function, you can also utilize the date functions of various databases to convert the date at query level.

MySQL to Salesforce Integration:

Using MySQL DATE_FORMAT() function:

When we are reading from MySQL database, we can use MySQL functions in Reader query. We can use MySQL built-in Function **DATE_FORMAT()** to get the date in Salesforce format. For Example, take a table as shown below. Now we will query the table and get the output date in Salesforce format using DATE_FORMAT() function.

Table Name: DBAccount

AccountName	BillingStreet	AnnualRevenue	LastModifiedDate
ABC	123, Ginger Street	50000.00	2010-03-15 00:00:00

Query:

```
SELECT AccountName, BillingStreet, AnnualRevenue, DATE_FORMAT>LastModifiedDate,%Y-%m-%dT%H:%i:%sZ') AS 'LastModifiedDate'  
FROM DBAccount.
```

Result:

ABC	123, Ginger Street	50000.00	2010-03-15T00:00:00Z
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Using DBSync DATE() Function:

We can also use the Date function of DBSync to convert MySQL Date into Salesforce format. An Example is shown below:

TargetField = DATE (DATE (VALUE("Source_Field"),"yyyy-MM-dd hh:mm:ss") , "yyyy-MM-dd'T'HH:mm:ss'Z'").

Salesforce to MySQL Integration:

Using DBSync DATE() Function:

We can also use the Date function of DBSync to convert Salesforce Date into MySQL format. An Example is shown below:

TargetField = DATE(VALUE("Source_Field"),"yyyy-MM-dd hh:mm:ss").

Using DBSync LSPLIT() & RSPLIT() Functions:

We can use DBSync's LSPLIT() and RSPLIT() functions to convert a Date from Salesforce to MySQL Format. An Example is shown below:

TargetField = LSPLIT(LSPLIT(VALUE("CreatedDate"),"."), "T") + " " + RSPLIT(LSPLIT(VALUE("CreatedDate"),"."), "T").

Using DBSync DATE() Function:

We can also use the Date function of DBSync to convert MySQL Date into Salesforce format. An Example is shown below:

TargetField = DATE (DATE (VALUE("Source_Field"),"yyyy-MM-dd hh:mm:ss") , "yyyy-MM-dd'T'HH:mm:ss'Z'").

SQL Server to Salesforce Integration:

Using SQL Server CONVERT() & CAST() functions:

When we are reading from SQL Server database in DBSync - while writing the Reader query - we can use MySQL built-in Functions **CONVERT()** and **CAST()** to get the date in Salesforce format. For Example, take a table as shown below. Now we will query the table and get the output date in Salesforce format using CONVERT() function.

Table Name: DBAccount:

AccountName	BillingStreet	AnnualRevenue	LastModifiedDate
ABC	123, Ginger Street	50000.00	2010-03-15 00:00:00.000

Query:

```
SELECT AccountName,BillingStreet,AnnualRevenue,convert(varchar,cast(DBAccount.LastModifiedDate as datetime),126) as 'LastModifiedDate'  
FROM DBAccount.
```

Result:

ABC	123, Ginger Street	50000.00	2010-03-15T00:00:00
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Salesforce to SQL Server Integration:

When integrating data from Salesforce to SQL Server, we can map the DateTime field from Salesforce to SQL Server Directly.