

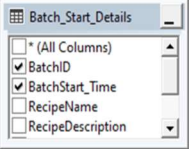
## 1 Event

- In Visual studio while configuring the BatchID filtering using date & time an error has found that unable to convert nvarchar type data to date Time format.
- The Batch start Time and batch stop time was logged into SQL as string data.

## 2 Solution

- First created a new from the existing Batch\_Start\_Details table.

DESKTOP-CHSQHKQ...nvertedDateTime\* X



Column	Alias	Table
BatchID		Batch_Start_Details
BatchStart_Time		Batch_Start_Details
(SELECT CONVERT (datetime, dbo.Batch_Start_Details.BatchStart_Time, 105) AS Expr1)	Conve...	

```
SELECT BatchID, BatchStart_Time,
       (SELECT CONVERT(datetime, dbo.Batch_Start_Details.BatchStart_Time, 105) AS Expr1) AS ConvertedDateTime
FROM   dbo.Batch_Start_Details
```

- For the conversion of Batch\_Start\_Time, default syntax is used
- CONVERT (data\_type [ (length)] , expression [ , style ] )
- Query Used is

```
SELECT BatchID, BatchStart_Time,
       (SELECT CONVERT (datetime, dbo.Batch_Start_Details.BatchStart_Time, 105) AS Expr1)
       AS ConvertedDateTime
FROM   dbo.Batch_Start_Details.
```

- 105 is the code for Italian style i.e. dd-mm-yyyy.

### 3 Results

- The image shown below is the view after conversion.

	BatchID	BatchStart_Time	ConvertedDateTime
27	Batch15062024115959	15/06/2024 11:59:59	2024-06-15 11:59:59.000
28	Batch15062024121836	15/06/2024 12:18:36	2024-06-15 12:18:36.000
29	Batch15062024122828	15/06/2024 12:28:28	2024-06-15 12:28:28.000
30	Batch15062024123946	15/06/2024 12:39:46	2024-06-15 12:39:46.000
31	Batch15062024123949	15/06/2024 12:39:49	2024-06-15 12:39:49.000

- Refer the link for more details.
- <https://learn.microsoft.com/en-us/sql/t-sql/functions/cast-and-convert-transact-sql?view=sql-server-ver16>