

# Sum datetime difference in MSSQL

Get the SUM of seconds:

```
SET @Seconds = SELECT SUM(DATEDIFF(SECOND, [START_TIME], [END_TIME]))
```

Turn that into a datetime object:

```
SELECT CONVERT(VARCHAR(8), dateadd(SECOND, @Seconds, 0), 108)
```

Or as 1 query:

```
SELECT CONVERT(VARCHAR(8), dateadd(SECOND, SUM(DATEDIFF(SECOND, [START_TIME], [END_TIME])), 0), 108)
```

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