

Date Time in SQL Server

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Overview

Return Date & Time Parts

- DATEPART (datepart , date)
- DATENAME (datepart , date)
- DAY (date)
- MONTH (date)
- YEAR (date)

Return System Date & Time Values

- SYSDATETIME
- SYSDATETIMEOFFSET
- SYSUTCDATETIME
- CURRENT_TIMESTAMP
- GETDATE
- GETUTCDATE

Return Date & Time Difference Values

- DATEDIFF (datepart , startdate , enddate)
- DATEDIFF_BIG (datepart , startdate , enddate)

SQL Server DATE & TIME Functions

Construct Date & Time

- DATEFROMPARTS (year, month, day)
- DATETIME2FROMPARTS (year, month, day, hour, minute, seconds, fractions, precision)
- DATETIMEOFFSETFROMPARTS
- TIMEFROMPARTS

Validate Date & Time Values

- ISDATE (expression)

Modify Date & Time Values

- DATEADD (datepart , number , date)
- EOMONTH (start_date [, month_to_add])
- SWITCHOFFSET (DATETIMEOFFSET , time_zone)
- TODATETIMEOFFSET (expression , time_zone)

Some functions

- ❑ `SELECT GETDATE();`
- ❑ `SELECT CURRENT_TIMESTAMP;`
- ❑ `SELECT DATEPART(MONTH, GETDATE());`
- ❑ `SELECT DAY(GETDATE());`
- ❑ `SELECT MONTH(GETDATE());`
- ❑ `SELECT YEAR(GETDATE());`

