

DATEADD Function

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Add a specified number of units to a valid date. Units can be any supported Datetime unit (e.g. minute, month, year, etc.). Input must be a column reference containing dates.

NOTE: If this function computes values out of the supported range of dates, the values are written as mismatched values, and the column is likely to be typed as a Datetime column. For more information on supported date ranges, see *Datetime Data Type*.

Basic Usage

```
derive type:single value:DATEADD(myDate, 3, month)
```

Output: Generates a column of values calculating the values in the `myDate` column with three months added to them.

NOTE: Output dates are always formatted with dashes. For example, if the input values include 12/31/2016, a DATEADD function output might be 03-31-2017.

Syntax and Arguments

```
derive type:single value:DATEADD(date,delta,date_units)
```

| Argument | Required? | Data Type | Description |
|------------|-----------|-----------|---|
| date | Y | datetime | Starting date to compare |
| delta | Y | integer | Number of units to apply to the date value. |
| date_units | Y | string | String literal representing the date units to use in the comparison |

For more information on syntax standards, see *Language Documentation Syntax Notes*.

date

Date values to which to add. It must be a column reference.

Usage Notes:

| Required? | Data Type | Example Value |
|-----------|--------------------------------|-----------------|
| Yes | String (Date column reference) | LastContactDate |

delta

Number of units to apply to the date values.

- Negative integer values are accepted.

Usage Notes:

| Required? | Data Type | Example Value |
|-----------|-----------|---------------|
| Yes | Integer | -3 |

date_units

Unit of date measurement to which to apply the delta value.

Usage Notes:

| Required? | Data Type | Example Value |
|-----------|-----------|---------------|
| Yes | String | year |

Accepted Value for date units:

- year
- quarter
- month
- dayofyear
- day
- hour
- minute
- second
- millisecond

Examples

Tip: For additional examples, see *Common Tasks*.

Example - DATEADD Function

Source:

Here are some example invoices and their dates. You want to calculate the 90-day and 180-day limits, at which point interest is charged.

| InvNum | InvDate |
|--------|---------|
|--------|---------|

| | |
|---------|------------|
| inv0001 | 1/1/2016 |
| inv0002 | 7/15/2016 |
| inv0003 | 12/30/2016 |

Transform:

```
derive type:single value:DATEADD(InvDate,90,day) as:'plus90'
```

```
derive type:single value:DATEADD(InvDate,180,day) as:'plus180'
```

Results:

NOTE: The output format is always formatted with dashes.

| InvNum | InvDate | plus90 | plus180 |
|---------|------------|------------|-----------|
| inv0001 | 1/1/2016 | 3-31-2016 | 6-29-2016 |
| inv0002 | 7/15/2016 | 10-13-2016 | 1-11-2017 |
| inv0003 | 12/30/2016 | 3-30-2017 | 6-28-2017 |