datetime_truncate Documentation

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This module truncates a datetime object to the level of precision that you specify, making everything higher than that zero (or one for day and month).

It is based on PostgreSQL's DATE_TRUNC.

CHAPTER 1

`datetime_truncate` datetime_truncate

`datetime_truncate.`**`truncate`**(*datetime*, *truncate_to='day'*)

Truncates a datetime to have the values with higher precision than the one set as *truncate_to* as zero (or one for day and month).

Possible values for *truncate_to*:

- second
- minute
- hour
- day
- week (iso week i.e. to monday)
- month
- quarter
- half_year
- year

Examples:

```
>>> truncate(datetime(2012, 12, 12, 12), 'day')
datetime(2012, 12, 12)
>>> truncate(datetime(2012, 12, 14, 12, 15), 'quarter')
datetime(2012, 10, 1)
>>> truncate(datetime(2012, 3, 1), 'week')
datetime(2012, 2, 27)
```

Params datetime an initialized datetime object

Params truncate_to The highest precision to keep its original data.

Returns datetime with *truncated_to* as the highest level of precision

Return type `datetime` datetime object

`datetime_truncate.`**`truncate_second`**(*datetime*)

Sugar for `truncate(datetime, 'second')`

`datetime_truncate.`**`truncate_minute`**(*datetime*)

Sugar for `truncate(datetime, 'minute')`

`datetime_truncate.`**`truncate_hour`**(*datetime*)
Sugar for `truncate(datetime, 'hour')`

`datetime_truncate.`**`truncate_day`**(*datetime*)
Sugar for `truncate(datetime, 'day')`

`datetime_truncate.`**`truncate_week`**(*datetime*)
Truncates a date to the first day of an ISO 8601 week, i.e. monday.

Params datetime an initialized datetime object

Returns *datetime* with the original day set to monday

Return type `datetime` datetime object

`datetime_truncate.`**`truncate_month`**(*datetime*)
Sugar for `truncate(datetime, 'month')`

`datetime_truncate.`**`truncate_quarter`**(*datetime*)
Truncates the datetime to the first day of the quarter for this date.

Params datetime an initialized datetime object

Returns *datetime* with the month set to the first month of this quarter

Return type `datetime` datetime object

`datetime_truncate.`**`truncate_half_year`**(*datetime*)
Truncates the datetime to the first day of the half year for this date.

Params datetime an initialized datetime object

Returns *datetime* with the month set to the first month of this half year

Return type `datetime` datetime object

`datetime_truncate.`**`truncate_year`**(*datetime*)
Sugar for `truncate(datetime, 'year')`

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