Date Format Syntax

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In some cases, when setting up date formats in TotalConnect, textual data needs to be converted to dates using formulas. Usually, the PARSEDATE function is used for this purpose. The function receives text containing the date information, and an expression that specifies how to construct the date using the text.
For example, using the expression dd/MM/yyyy along with the text 26/12/2017 means that The first part of the text is the day, the second is the month and the third is the year.

The following describes the syntax commonly used in the expression:

Note: There are two different options YYYY/YY or yyyy/yy. YYYY is a weekly based calendar, while yyyy is the ordinary calendar year. It is recommended you use yyyy/yy.

Syntax	Meaning	Example value	Example Expression
d or dd	Day in the month	13/09/2017	dd/MM/yyyy
EEE	The abbreviated name of the day of the week e.g. Tue	Tue 26/12/2017	EEE dd/MM/yyyy
EEEE	The full name of the day of the week e.g. Tuesday	Tuesday 26/12/2017	EEEE dd/MM/yyyy
DD	Day in year, e.g. 45	45 2017	DDD yyyy (yields 14/02/17)
YYYY or yyyy	Year e.g. 2017	13/09/2017	dd/MM/yyyy
YY or yy	2 digit year e.g. 17	13/09/17	dd/MM/yy
MM	Number of month e.g. 10	13/09/2017	dd/MM/yyyy

MMM	First three letters of month, e.g. oct	13 Oct 2017	dd MMM yyyy
m or mm	minutes	13/10/2017 17:34	dd/MM/yyyy HH:mm
s or ss	seconds	13/10/2017 17:34:45	dd/MM/yyyy HH:mm:ss
S	Millisecond	13/10/2017 17:34:45.187	dd/MM/yyyy HH:mm:ss.SSS
aa	The AM/PM designator.	13/10/2017 11PM	dd/MM/yyyy hhaa
h or hh	The hour, using a 12-hour clock.	13/10/2017 11PM	dd/MM/yyyy hhaa
H or HH	The hour, using a 24-hour clock.	13/10/2017 17:34	dd/MM/yyyy HH:mm
z or zz or zzz	Hours offset from GMT	13/10/2017 17:34 GMT-02:00	dd/MM/yyyy HH:mm z (yields 13/10/2017 19:34)
Apostrophes (")	Treats anything inside as letters	2017y10m13d	yyyy'y'MM'm'dd'd'

Sometimes, the reverse must be done, and some information must be extracted from a date object. For this, the FORMATDATE function is usually used. The function receives a date object and an expression the specifies how the string should look.

For example, using the expression MM yyyy along with 26/12/17 means that month and year will be extracted and displayed as so: 12 2017.

The following describes the syntax commonly used in the expression:

Example Expression	Meaning	Result (using the date 2014/02/08 as an example)
yyyy	The year number	2014
yy	The year number as two digits	14
MMM	The month's short name	Feb
MMMM	The month's full name	February
MM	The month's number (two digits)	02
M	The month's number (one or two digits)	2

ww	The number of weeks since the first week to be part of the year. The first week of 2015 starts from 27/12/15 and ends in 02/01/16	06
d	Day in month (one or two digits)	8
dd	Day in month (always two digits)	08
DDD	Day in year (3 digits)	039
DD	Day in year (2 or 3 digits)	39
D	Day in year (1 or 2 or 3 digits)	39

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