

dateFormat

This function is used by **Ignition's Expression** language.

Description

Returns the given date as a string, formatted according to a pattern. The pattern is a format that is full of various placeholders that will display different parts of the date. These are case-sensitive! These placeholders can be repeated for a different effect. For example, M will give you 1-12, MM will give you 01-12, MMM will give you Jan-Dec, MMMM will give you January-December.

The placeholders are:

Symbol	Description	Presentation	Examples	Other Notes
G	Era designator	Text	G=AD	
y	Year	Year	yyyy=1996; yy=96	Lowercase y is the most commonly used year symbol
Y	Week year	Year	YYYY=2009; YY=09	Capital Y gives the year based on weeks (ie. changes to the new year up to a week early)
M	Month in year	Month	MMM=July; MMM=Jul; MM=07	
w	Week in year	Number	27	If Dec31 is mid-week, it will be in week 1 of the next year
W	Week in month	Number	2	
D	Day in year	Number	189	
d	Day in month	Number	10	
F	Day of week in month	Number	2	2nd Sunday of the month
E	Day name in week	Text	EEEE=Tuesday; E=Tue	
u	Day number of week	Number	1	(1 = Monday, ..., 7 = Sunday)
a	Am/Pm marker	Text	PM	
H	Hour in day (0-23)	Number	0	
h	Hour in am /pm (1-12)	Number	12	
k	Hour in day (1-24)	Number	24	
K	Hour in am /pm (0-11)	Number	0	
m	Minute in hour	Number	30	
s	Second in minute	Number	55	
S	Millisecond	Number	978	
z	Time zone	General time zone	zzzz=Pacific Standard Time; Z=PST	
Z	Time zone	RFC 822 time zone	Z=-0800	
X	Time zone	ISO 8601 time zone	X=-08; XX=-0800; XXX=-08:00	



Expert Tip: This function uses the Java class `java.text.SimpleDateFormat` internally, and will accept any valid format string for that class.

Syntax

`dateFormat(date, pattern)`

- Parameter
 - `Date` date - The starting date.
 - `string` pattern - The pattern to format the given date to.
- Results
 - `string` - The given date formatted based on the given format pattern.

Examples

Code Snippet

```
dateFormat(toDate("2003-9-14 8:00:00"), "yyyy-MM-dd HH:mm:ss") //returns the string "2003-09-14 08:00:00" This format is accepted in most databases
```

Code Snippet

```
dateFormat(toDate("2003-9-14 8:00:00"), "yyyy-MM-dd h a") //returns the string "2003-09-14 8 AM"
```

Code Snippet

```
dateFormat(toDate("2003-9-14 8:00:00"), "MMM d, yyyy") //returns the string "Sep 14, 2003"
```

Code Snippet

```
dateFormat(now(), 'yyyy-MM-dd 00:00:00') //returns the current date, but forces the time to 00:00:00
```