### string()

Either converts an arbitrary expression to a string, or converts a date to a string in specified date format.

#### Syntax

string(EXPR)string(DATE\_EXPR, DATE\_FMT[, LOCALE])string(DATE\_EXPR, DATE\_FMT[, TIMEZONE])str(EXPR)str(DATE\_EXPR, DATE\_FMT[, LOCALE])str(DATE\_EXPR, DATE\_FMT[, TIMEZONE])

Required Parameter

**EXPR**

Expression that returns the value to be converted to a string

**DATE\_EXPR**

Source string expression to be converted to date type

**DATE\_FMT**

Define the format to use to parse strings using the same pattern letters as the ones used in date().

|  |  |  |
| --- | --- | --- |
| Units of time | Description | Example |
| G | BC/AD | AD |
| y | Year | 1996; 96 |
| M | Month | July; Jul; 07 |
| w | Week of the year | 27 |
| W | Week of the month | 2 |
| d | Day of the year | 189 |
| D | Day of the month | 10 |
| F | Day of week number | 2 |
| E | Day of the week | Tuesday; Tue |
| u | Number of the day of the week(1=Monday, ..., 7=Sunday) | 1 |
| a | AM/PM | PM |
| H | Hour(0-23) | 0 |
| k | Hour(1-24) | 24 |
| K | AM/PM Hour starting with 0 (0-11) | 0 |
| h | AM/PM Hour starting with 1(1-12) | 12 |
| m | Minute | 30 |
| s | Second | 55 |
| S | Millisecond | 978 |
| z | Time zone | Pacific Standard Time; PST |
| Z | Time zone(RFC 822) | -0800 |
| X | Time zone(ISO 8601) | -08;-0800;08:00 |

Optional Parameter

**LOCALE**

Alphabetical abbreviations of time zones are also supported, but note that they can have ambiguous meanings. For example, CST may be Chinese Standard Time, or US Central Standard Time or Cuban Standard Time. If you do not specify a time zone, the time zone according to the locale of the system where Logpresso is installed is used. For information on time zone abbreviations, refer to Time Zone Abbreviations – Worldwide List at the following address: <https://www.timeanddate.com/time/zones/>

**Examples of time zone abbreviations**

|  |  |  |
| --- | --- | --- |
| Abbreviation | GMT offset | Description |
| UTC | GMT+0 | Coordinated Universal Time |
| KST | GMT+9 | Korea Standard Time |
| CEST | GMT+2 | Central European Summer Time |
| MSK | GMT+3 | Moscow Standard Time |
| PST | GMT-7 | Pacific Standard Time |
| EST | GMT-5 | US Eastern Standard Time |

**TIMEZONE**

You can provide the time zone in the form of GMT+09, GMT+0900, GMT+09:00, or GMT+9:00.

#### Usage

json "{}" | eval str=string(1) => "1"json "{}" | eval str=string(1.2) => "1.2"json "{}" | eval str=string(true) => "true"json "{}" | eval str=string(null) => nulljson "{}" | eval str=string(now(),"yyyyMMddHHmmss") => "20140807164417"json "{}"| eval str=string(date("20170329","yyyyMMdd"),"yyyy-MM-dd HH:mm:ssZ","GMT+08") => "2017-03-28 23:00:00+0800"