



Ember+ Schema “DateTime”

Specification

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1) General

This schema is intended to provide a standard way for an Ember+ provider to publish values that represent date and time in a both machine-readable as well as human-readable format.

The maximum precision of this time representation shall be one millisecond.

Date and time may be encoded either as local time or UTC.

2) Identifier

The identifier of this schema is **de.1-s-b.emberplus.datetime**.

3) Scope

This schema is applicable for Ember+ parameters of type **EmberString**. It defines the string format of the values of parameters that comply with this schema.

4) Rules

The format for parameter values that represent date and time is (terminals in bold):

YYYY	-	MM	-	DD		HH	:	mm	:	SS	.	FFF	Z
Four digits year [0..9999]		Two digits month [1..12]		Two digits day [1..31]	Space	Two digits hour in 24 hour format [0..23]		Two digits Minutes [0..59]		Two digits seconds [0..59]		Three digits milliseconds [0..999]	UTC Indicator
												<i>Optional</i>	<i>Optional</i>

Each component must contain the specified number of digits, padded with zeroes if necessary.

Examples

January 7th 2012, 2:58pm and 12 seconds in local time

2012-01-07 14:58:12

January 7th 2012, 1:58pm and 12 seconds in UTC

2012-01-07 13:58:12Z

January 7th 2012, 2:58pm, 12 seconds and 409 milliseconds in local time

2012-01-07 14:58:12.409

January 7th 2012, 1:58pm, 12 seconds and 409 milliseconds in UTC

2012-01-07 13:58:12.409Z