

# CAPH.MISC.TIME

Time is an object which provides various kinds of methods related to time functionality. The main APIs of Time include 'timeFormat', 'timeFormatIso8601' and so on. Using timeFormat method, a user can convert a JavaScript Date instance to a formatted string. Also, using timeFormatIso8601 method, a user can convert a JavaScript Date instance to a ISO8601 time format string.

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## Methods

timeFormat	
Description	
Converts a JavaScript Date instance to a formatted string.	
Parameters	<div><div>■formatStr</div><div><div>- String</div><div>- Local format. Format string</div><div>* Format string consists of the following characters.</div><div><div>* Day</div><div>- d : Day of the month, 2 digits with leading zeros. 01 through 31</div><div>- D : A string of a day with three letters. "Mon" through "Sun"</div><div>- j : Day of the month without zero. 1 through 31ek. "Sunday" through "Saturday"</div><div>- l : (lower case of L) Full string of the day of the week. "Sunday" through "Saturday"rd through 31st</div><div>- S : The day of the month with st, nd, rd or th suffix. 2 characters. 1st, 2nd, 3rd through 31st</div><div>- w : Number of the day of the week. 0(Sunday) through 6(Saturday)</div><div><div>* Month</div><div>- F : A string of a month, such as "January" or "March". "January" through "December"</div><div>- m : Month of 2 digits with zero. 01 through 12s. Jan through Dec</div><div>- M : Abbreviated string of a month, three letters. Jan through Dec</div><div>- n : Numeric month, without zero. 1 through 121</div><div>- t : Number of days in the month. 28 through 31</div><div><div>* Year</div><div>- Y : Numeric year, 4 digits. Examples: 1999 through 2011</div><div>- y : Numeric year, 2 digits. Examples: 99 through 11</div><div><div>* Time</div><div>- a : Lowercase AM and PM. am or pm</div><div>- A : Uppercase AM and PM. AM or PMout zero. 1 through 12</div><div>- g : 12-hour format of an hour without zero. 1 through 12</div><div>- G : 24-hour format of an hour without zero. 0 through 23</div><div>- h : 12-hour format of an hour with zero. 01 through 12</div><div>- H : 24-hour format of an hour with zero. 00 through 23</div><div>- i : Minutes with zero. 00 through 59</div><div>- s : Seconds with zero. 00 through 59</div><div>- u : Milliseconds Example: 123456</div><div><div>* Time zone</div><div>- P : Time difference with colon between hours and minutes. Example: +09:00 for Seoul</div><div>- O : Time difference in hours Example: +0200 for Seoulest of UTC is always negative, and for those east of UTC is always positive.</div><div>- Z : Timezone offset in seconds. The offset for timezones west of UTC is always negative, and for those east of UTC is always positive.</div></div></div></div><div>■date</div><div><div>- Object</div><div>- JavaScript Date instance to be converted</div></div></div></div></div></div>
Return	<div><div>■String</div><div>- Time in formatted string</div></div>
Emulator Support	Y

SDK Constraint	none
Example	
<pre>var date = new Date(); var timeFormat; timeFormat = caph.misc.Time.timeFormat('Y-m-dTH:i:sP', date);</pre>	
<b>timeFormatIso8601</b>	
Description	
Converts a JavaScript Date instance to a ISO8601 time format string.	
Parameters	<div>■date</div> <div>- Object</div> <div>- JavaScript Date instance to be converted</div>
Return	<div>■String</div> <div>- Time in formatted string</div>
Emulator Support	Y
SDK Constraint	none
Example	
<pre>var date = new Date(); var timeFormatAtom; timeFormatAtom = caph.misc.Time.timeFormatIso8601(date);</pre>	
<b>timeFormatRfc1036</b>	
Description	
Converts a JavaScript Date instance to a RFC1036 time format string.	
Parameters	<div>■date</div> <div>- Object</div> <div>- JavaScript Date instance to be converted</div>
Return	<div>■String</div> <div>- Time in formatted string</div>
Emulator Support	Y
SDK Constraint	none
Example	
<pre>var date = new Date(); var timeFormatAtom; timeFormatAtom = caph.misc.Time.timeFormatRfc1036(date);</pre>	
<b>timeFormatRfc1123</b>	
Description	
Converts a JavaScript Date instance to a RFC1123 time format string.	
Parameters	<div>■date</div> <div>- Object</div> <div>- JavaScript Date instance to be converted</div>
Return	<div>■String</div> <div>- Time in formatted string</div>
Emulator Support	Y
SDK Constraint	none
Example	
<pre>var date = new Date(); var timeFormatAtom; timeFormatAtom = caph.misc.Time.timeFormatRfc1123(date);</pre>	
<b>timeFormatRfc2822</b>	
Description	
Converts a JavaScript Date instance to a RFC2822 time format string.	
Parameters	<div>■date</div> <div>- Object</div> <div>- JavaScript Date instance to be converted</div>
Return	<div>■String</div> <div>- Time in formatted string</div>
Emulator Support	Y
SDK Constraint	none
Example	

```
var date = new Date();
var timeFormatAtom;
timeFormatAtom = caph.misc.Time.timeFormatRfc822(date);
```

timeFormatRfc822

Description

Converts a JavaScript Date instance to a RFC822 time format string.

Parameters	■date - Object - JavaScript Date instance to be converted
Return	■String - Time in formatted string
Emulator Support	Y
SDK Constraint	none

Example

```
var date = new Date();
var timeFormatAtom;
timeFormatAtom = caph.misc.Time.timeFormatRfc822(date);
```

timeFormatRss

Description

Converts a JavaScript Date instance to a RSS time format string.

Parameters	■date - Object - JavaScript Date instance to be converted
Return	■String - Time in formatted string
Emulator Support	Y
SDK Constraint	none

Example

```
var date = new Date();
var timeFormatAtom;
timeFormatAtom = caph.misc.Time.timeFormatRss(date);
```

timeFormatW3c

Description

Converts a JavaScript Date instance to a W3C time format string.

Parameters	■date - Object - JavaScript Date instance to be converted
Return	■String - Time in formatted string
Emulator Support	Y
SDK Constraint	none

Example

```
var date = new Date();
var timeFormatAtom;
timeFormatAtom = caph.misc.Time.timeFormatW3c(date);
```

timeFormatAtom

Description

Converts a JavaScript Date instance to a ATOM time format string.

Parameters	■date - Object - JavaScript Date instance to be converted
Return	■String - Time in formatted string
Emulator Support	Y
SDK Constraint	none

Example

```
var date = new Date();
var timeFormatAtom;
timeFormatAtom = caph.misc.Time.timFormatAtom(date);
```

# getDaysInMonth

## Description

Returns the number of days in the month

Parameters	<div>■year</div> <div>- Number</div> <div>- The message for log</div> <div>■month</div> <div>- Number</div> <div>- The month for getting days</div>
Return	<div>■Number</div> <div>- the number of Days</div>
Emulator Support	Y
SDK Constraint	none

## Example

```
var days;  
days = caph.misc.Time.getDaysInMonth(2013, 12);
```

# getLocaleTimeFormat

## Description

Returns time format of the location

Parameters	<div>■location</div> <div>- String</div> <div>- possible value - 'KOR', 'USA', 'BRA', 'PANEURO', 'CHI', 'HKG', 'ARB', 'PANNORDIG', 'SOUTHEASTASIA', 'ASIA_ATV', 'ASIA_DTV', 'TW', 'NORTHAFRICA', 'EA_DTV', 'CIS', 'PHI', 'S_AFR_DTV.</div> <div>- [default : 'USA']</div>
Return	<div>■String</div> <div>- Locale time format string</div>
Emulator Support	Y
SDK Constraint	none

## Example

```
var localTimeFormat;  
localTimeFormat = caph.misc.Time.getLocaleTimeFormat('KOR');
```