

Date

Apr 29, 2020 09:12

Supported Clients

SmartClient WebClient NGClient MobileClient

Methods Summary

| | | |
|--------|---|--|
| Number | UTC(year, month) | Takes comma-delimited date parameters and returns the number of milliseconds between January 1, 1970, 00:00:00, universal time and the specified time. |
| Number | UTC(year, month, date) | Takes comma-delimited date parameters and returns the number of milliseconds between January 1, 1970, 00:00:00, universal time and the specified time. |
| Number | UTC(year, month, date, hrs) | Takes comma-delimited date parameters and returns the number of milliseconds between January 1, 1970, 00:00:00, universal time and the specified time. |
| Number | UTC(year, month, date, hrs, min) | Takes comma-delimited date parameters and returns the number of milliseconds between January 1, 1970, 00:00:00, universal time and the specified time. |
| Number | UTC(year, month, date, hrs, min, sec) | Takes comma-delimited date parameters and returns the number of milliseconds between January 1, 1970, 00:00:00, universal time and the specified time. |
| Number | UTC(year, month, date, hrs, min, sec, ms) | Takes comma-delimited date parameters and returns the number of milliseconds between January 1, 1970, 00:00:00, universal time and the specified time. |
| Number | getDate() | Gets the day of month in local time |
| Number | getDay() | Gets the day of the week (sunday = 0) in local time |
| Number | getFullYear() | Gets the full year of the date in local time |
| Number | getHours() | Gets the hours of the date in local time |
| Number | getMilliseconds() | Gets the milliseconds of the date in local time |
| Number | getMinutes() | Gets the minutes of the date in local time |
| Number | getMonth() | Gets the month of the date in local time |
| Number | getSeconds() | Gets the seconds of the date in local time |
| Number | getTime() | The value returned by the getTime method is the number of milliseconds since 1 January 1970 00:00:00. |
| Number | getTimezoneOffset() | Gets the number of minutes between GMT and this date. |
| Number | getUTCDate() | Gets the UTC date. |
| Number | getUTCDay() | Gets the day in UTC time. |
| Number | getUTCFullYear() | Gets the full year in UTC time. |
| Number | getUTCHours() | Gets the hours in UTC time. |
| Number | getUTCMilliseconds() | Gets the milliseconds in UTC time. |
| Number | getUTCMinutes() | Gets the minutes in UTC time. |
| Number | getUTCMonth() | Gets the month in UTC time. |
| Number | getUTCSeconds() | Gets the seconds in UTC time. |
| Number | now() | Returns the milliseconds elapsed since 1 January 1970 00:00:00 UTC up until now. |
| Number | parse(s) | Takes a date string (such as "Dec 25, 1995") and returns the number of milliseconds since January 1, 1970, 00:00:00 UTC. |
| void | setDate(dayValue) | Sets the date. |
| void | setFullYear(yearValue) | Sets the full year of the date. |
| void | setFullYear(yearValue, monthValue) | Sets the full year of the date. |
| void | setFullYear(yearValue, monthValue, dayValue) | Sets the full year of the date. |
| void | setHours(hoursValue) | Sets the hours of the date. |
| void | setHours(hoursValue, minutesValue) | Sets the hours of the date. |
| void | setHours(hoursValue, minutesValue, secondsValue) | Sets the hours of the date. |
| void | setHours(hoursValue, minutesValue, secondsValue, msValue) | Sets the hours of the date. |
| void | setMilliseconds(millisecondsValue) | Sets the milliseconds of the date. |
| void | setMinutes(minutesValue) | Sets the minutes of the date. |
| void | setMinutes(minutesValue, secondsValue) | Sets the minutes of the date. |
| void | setMinutes(minutesValue, secondsValue, msValue) | Sets the minutes of the date. |
| void | setMonth(monthValue) | Sets the month of the date. |
| void | setMonth(monthValue, dayValue) | Sets the month of the date. |
| void | setSeconds(secondsValue) | Sets the seconds of the date. |
| void | setSeconds(secondsValue, msValue) | Sets the seconds of the date. |
| void | setTime(timeValue) | Sets the milliseconds of the date. |
| void | setUTCDate(dayValue) | Sets the UTC date. |
| void | setUTCFullYear(yearValue) | Sets the year in UTC time. |
| void | setUTCFullYear(yearValue, monthValue) | Sets the year in UTC time. |
| void | setUTCFullYear(yearValue, monthValue, dayValue) | Sets the year in UTC time. |
| void | setUTCHours(hoursValue) | Sets the hours in UTC time. |

| | | |
|--------|--|--|
| void | setUTCHours(hoursValue, minutesValue) | Sets the hours in UTC time. |
| void | setUTCHours(hoursValue, minutesValue, secondsValue) | Sets the hours in UTC time. |
| void | setUTCHours(hoursValue, minutesValue, secondsValue, msValue) | Sets the hours in UTC time. |
| void | setUTCMilliseconds(millisecondsValue) | Sets the milliseconds in UTC time. |
| void | setUTCMinutes(minutesValue) | Sets the minutes in UTC time. |
| void | setUTCMinutes(minutesValue, secondsValue) | Sets the minutes in UTC time. |
| void | setUTCMinutes(minutesValue, secondsValue, msValue) | Sets the minutes in UTC time. |
| void | setUTCMonth(monthValue) | Sets the month in UTC time. |
| void | setUTCMonth(monthValue, dayValue) | Sets the month in UTC time. |
| void | setUTCSeconds(secondsValue) | Sets the seconds in UTC time. |
| void | setUTCSeconds(secondsValue, msValue) | Sets the seconds in UTC time. |
| String | toDateString() | Returns a string version of the date. |
| String | toISOString() | Returns a string version of the UTC value of the date. |
| String | toLocaleDateString() | Returns a string version of the local time zone of the date. |
| String | toLocaleString() | Returns a string version of the local time zone of the date. |
| String | toLocaleTimeString() | Returns a string version of the local time zone of the date. |
| String | toTimeString() | Returns a string version of the date. |
| String | toUTCString() | Returns a string version of the UTC value of the date. |
| Number | valueOf() | Return integer milliseconds count |

Methods Details

UTC(year, month)

Takes comma-delimited date parameters and returns the number of milliseconds between January 1, 1970, 00:00:00, universal time and the specified time.

Parameters

[Number](#) year A year after 1900.

[Number](#) month A number between 0 and 11.

Returns

[Number](#)

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
// The number of milliseconds in the first minute after 1970 January 1st.
application.output(Date.UTC(1970, 00, 01, 00, 01, 00, 00)); // prints: 60000.0
```

UTC(year, month, date)

Takes comma-delimited date parameters and returns the number of milliseconds between January 1, 1970, 00:00:00, universal time and the specified time.

Parameters

[Number](#) year A year after 1900.

[Number](#) month A number between 0 and 11.

[Number](#) date A number between 1 and 31.

Returns

[Number](#)

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
// The number of milliseconds in the first minute after 1970 January 1st.
application.output(Date.UTC(1970, 00, 01, 00, 01, 00, 00)); // prints: 60000.0
```

UTC(year, month, date, hrs)

Takes comma-delimited date parameters and returns the number of milliseconds between January 1, 1970, 00:00:00, universal time and the specified time.

Parameters

Number year A year after 1900.
Number month A number between 0 and 11.
Number date A number between 1 and 31.
Number hrs A number between 0 and 23.

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
// The number of milliseconds in the first minute after 1970 January 1st.
application.output(Date.UTC(1970, 00, 01, 00, 01, 00, 00)); // prints: 60000.0
```

UTC(year, month, date, hrs, min)

Takes comma-delimited date parameters and returns the number of milliseconds between January 1, 1970, 00:00:00, universal time and the specified time.

Parameters

Number year A year after 1900.
Number month A number between 0 and 11.
Number date A number between 1 and 31.
Number hrs A number between 0 and 23.
Number min A number between 0 and 59.

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
// The number of milliseconds in the first minute after 1970 January 1st.
application.output(Date.UTC(1970, 00, 01, 00, 01, 00, 00)); // prints: 60000.0
```

UTC(year, month, date, hrs, min, sec)

Takes comma-delimited date parameters and returns the number of milliseconds between January 1, 1970, 00:00:00, universal time and the specified time.

Parameters

Number year A year after 1900.
Number month A number between 0 and 11.
Number date A number between 1 and 31.
Number hrs A number between 0 and 23.
Number min A number between 0 and 59.
Number sec A number between 0 and 59.

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
// The number of milliseconds in the first minute after 1970 January 1st.
application.output(Date.UTC(1970, 00, 01, 00, 01, 00, 00)); // prints: 60000.0
```

UTC(year, month, date, hrs, min, sec, ms)

Takes comma-delimited date parameters and returns the number of milliseconds between January 1, 1970, 00:00:00, universal time and the specified time.

Parameters

Number year A year after 1900.
Number month A number between 0 and 11.
Number date A number between 1 and 31.
Number hrs A number between 0 and 23.
Number min A number between 0 and 59.
Number sec A number between 0 and 59.
Number ms A number between 0 and 999.

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
// The number of milliseconds in the first minute after 1970 January 1st.  
application.output(Date.UTC(1970, 00, 01, 00, 01, 00, 00)); // prints: 60000.0
```

getDate()

Gets the day of month in local time

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.getDate();
```

getDay()

Gets the day of the week (sunday = 0) in local time

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.getDay();
```

getFullYear()

Gets the full year of the date in local time

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.getFullYear();
```

getHours()

Gets the hours of the date in local time

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.getHours();
```

getMilliseconds()

Gets the milliseconds of the date in local time

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.getMilliseconds();
```

getMinutes()

Gets the minutes of the date in local time

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.getMinutes();
```

getMonth()

Gets the month of the date in local time

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.getMonth();
```

getSeconds()

Gets the seconds of the date in local time

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.getSeconds();
```

getTime()

The value returned by the getTime method is the number of milliseconds since 1 January 1970 00:00:00.

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.getTime();
```

getTimezoneOffset()

Gets the number of minutes between GMT and this date.

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.getTimezoneOffset();
```

getUTCDate()

Gets the UTC date.

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.getUTCDate();
```

getUTCDay()

Gets the day in UTC time.

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.getUTCDay();
```

getUTCFullYear()

Gets the full year in UTC time.

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.getUTCFullYear();
```

getUTCHours()

Gets the hours in UTC time.

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.getUTCHours();
```

getUTCMilliseconds()

Gets the milliseconds in UTC time.

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.getUTCMilliseconds();
```

getUTCMinutes()

Gets the minutes in UTC time.

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.getUTCMinutes();
```

getUTCMonth()

Gets the month in UTC time.

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.getUTCMonth();
```

getUTCSeconds()

Gets the seconds in UTC time.

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.getUTCSeconds();
```

now()

Returns the milliseconds elapsed since 1 January 1970 00:00:00 UTC up until now.

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
var timestamp = Date.now();
```

parse(s)

Takes a date string (such as "Dec 25, 1995") and returns the number of milliseconds since January 1, 1970, 00:00:00 UTC.

Parameters

[String](#) s The date string to parse

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
var str = Date.parse("Wed, 09 Aug 1995 00:00:00 GMT");  
application.output(str);
```

setDate(dayValue)

Sets the date.

Parameters

[Number](#) dayValue;

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.setDate(integer);
```

setFullYear(yearValue)

Sets the full year of the date.

Parameters

[Number](#) yearValue;

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.setFullYear(integer);
```

setFullYear(yearValue, monthValue)

Sets the full year of the date.

Parameters

[Number](#) yearValue ;

[Number](#) monthValue;

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.setFullYear(integer);
```

setFullYear(yearValue, monthValue, dayValue)

Sets the full year of the date.

Parameters

`Number` yearValue ;
`Number` monthValue ;
`Number` dayValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setFullYear(integer);
```

setHours(hoursValue)

Sets the hours of the date.

Parameters

`Number` hoursValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setHours(integer);
```

setHours(hoursValue, minutesValue)

Sets the hours of the date.

Parameters

`Number` hoursValue ;
`Number` minutesValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setHours(integer);
```

setHours(hoursValue, minutesValue, secondsValue)

Sets the hours of the date.

Parameters

`Number` hoursValue ;
`Number` minutesValue ;
`Number` secondsValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setHours(integer);
```

setHours(hoursValue, minutesValue, secondsValue, msValue)

Sets the hours of the date.

Parameters

`Number` hoursValue ;
`Number` minutesValue ;
`Number` secondsValue ;
`Number` msValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setHours(integer);
```

setMilliseconds(millisecondsValue)

Sets the milliseconds of the date.

Parameters

[Number](#) millisecondsValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setMilliseconds(integer);
```

setMinutes(minutesValue)

Sets the minutes of the date.

Parameters

[Number](#) minutesValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setMinutes(integer);
```

setMinutes(minutesValue, secondsValue)

Sets the minutes of the date.

Parameters

[Number](#) minutesValue ;

[Number](#) secondsValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setMinutes(integer);
```

setMinutes(minutesValue, secondsValue, msValue)

Sets the minutes of the date.

Parameters

[Number](#) minutesValue ;

[Number](#) secondsValue ;

[Number](#) msValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setMinutes(integer);
```

setMonth(monthValue)

Sets the month of the date.

Parameters

[Number](#) monthValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setMonth(integer);
```

setMonth(monthValue, dayValue)

Sets the month of the date.

Parameters

Number monthValue;
Number dayValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setMonth(integer);
```

setSeconds(secondsValue)

Sets the seconds of the date.

Parameters

Number secondsValue;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setSeconds(integer);
```

setSeconds(secondsValue, msValue)

Sets the seconds of the date.

Parameters

Number secondsValue;
Number msValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setSeconds(integer);
```

setTime(timeValue)

Sets the milliseconds of the date.

Parameters

Number timeValue;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setTime(integer);
```

setUTCDate(dayValue)

Sets the UTC date.

Parameters

Number dayValue;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setUTCDate(integer);
```

setUTCFullYear(yearValue)

Sets the year in UTC time.

Parameters`Number` yearValue ;**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setUTCFullYear(integer);
```

setUTCFullYear(yearValue, monthValue)

Sets the year in UTC time.

Parameters`Number` yearValue ;`Number` monthValue ;**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setUTCFullYear(integer);
```

setUTCFullYear(yearValue, monthValue, dayValue)

Sets the year in UTC time.

Parameters`Number` yearValue ;`Number` monthValue ;`Number` dayValue ;**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setUTCFullYear(integer);
```

setUTCHours(hoursValue)

Sets the hours in UTC time.

Parameters`Number` hoursValue ;**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setUTCHours(integer);
```

setUTCHours(hoursValue, minutesValue)

Sets the hours in UTC time.

Parameters

[Number](#) hoursValue ;
[Number](#) minutesValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setUTCHours(integer);
```

setUTCHours(hoursValue, minutesValue, secondsValue)

Sets the hours in UTC time.

Parameters

[Number](#) hoursValue ;
[Number](#) minutesValue ;
[Number](#) secondsValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setUTCHours(integer);
```

setUTCHours(hoursValue, minutesValue, secondsValue, msValue)

Sets the hours in UTC time.

Parameters

[Number](#) hoursValue ;
[Number](#) minutesValue ;
[Number](#) secondsValue ;
[Number](#) msValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setUTCHours(integer);
```

setUTCMilliseconds(millisecondsValue)

Sets the milliseconds in UTC time.

Parameters

[Number](#) millisecondsValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setUTCMilliseconds(integer);
```

setUTCMinutes(minutesValue)

Sets the minutes in UTC time.

Parameters

[Number](#) minutesValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setUTCMinutes(integer);
```

setUTCMinutes(minutesValue, secondsValue)

Sets the minutes in UTC time.

Parameters

[Number](#) minutesValue ;

[Number](#) secondsValue ;

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.setUTCMinutes(integer);
```

setUTCMinutes(minutesValue, secondsValue, msValue)

Sets the minutes in UTC time.

Parameters

[Number](#) minutesValue ;

[Number](#) secondsValue ;

[Number](#) msValue ;

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.setUTCMinutes(integer);
```

setUTCMonth(monthValue)

Sets the month in UTC time.

Parameters

[Number](#) monthValue ;

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.setUTCMonth(integer);
```

setUTCMonth(monthValue, dayValue)

Sets the month in UTC time.

Parameters

[Number](#) monthValue ;

[Number](#) dayValue ;

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
date.setUTCMonth(integer);
```

setUTCSeconds(secondsValue)

Sets the seconds in UTC time.

Parameters

[Number](#) secondsValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setUTCSeconds(integer);
```

setUTCSeconds(secondsValue, msValue)

Sets the seconds in UTC time.

Parameters

[Number](#) secondsValue;
[Number](#) msValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setUTCSeconds(integer);
```

toDateString()

Returns a string version of the date.

Returns

[String](#)

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.toDateString();
```

toISOString()

Returns a string version of the UTC value of the date.

Returns

[String](#) the Date object as a string in simplified extended ISO format.

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.toISOString();
```

toLocaleDateString()

Returns a string version of the local time zone of the date.

Returns

[String](#)

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.toLocaleDateString();
```

toLocaleString()

Returns a string version of the local time zone of the date.

Returns

[String](#)

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.toLocaleString();
```

toLocaleTimeString()

Returns a string version of the local time zone of the date.

Returns[String](#)**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.toLocaleTimeString();
```

getTimeString()

Returns a string version of the date.

Returns[String](#)**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.getTimeString();
```

toUTCString()

Returns a string version of the UTC value of the date.

Returns[String](#)**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.toUTCString();
```

valueOf()

Return integer milliseconds count

Returns[Number](#)**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.valueOf(integer);
```