Date

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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(integr);
```

setMonth(monthValue, dayValue)

Sets the month of the date.

Parameters

Number monthValue ;
Number dayValue ;

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.setMonth(integr);
```

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

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();
```

toTimeString()

Returns a string version of the date.

Returns

String

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
date.toTimeString();
```

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);
```