

Date

Constructor Summery

`#Date()`

Use the current date and time to create an instance of the object date.

`#Date(milliseconds)`

Create instance of date.

`#Date(year, month, day)`

Create an instance of date with the specified values.

`#Date(year, month, day, hours, minutes, seconds)`

Create an instance of date with the specified values.

`#Date(year, month, day, hours, minutes, seconds, milliseconds)`

Create an instance of date with the specified values.

`#Date(dateString)`

Use the date specified by the string to create the instance of the date object.

Method Summery

`#UTC(year, month, [date], [hrs], [min], [sec], [ms])`

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 `#getDate()`

Gets the day of month.

Number `#getDay()`

Gets the day of the week (sunday = 0).

Number `#getFullYear()`

Gets the full year of the date.

Number `#getHours()`

Gets the hours of the date.

Number `#getMilliseconds()`

Gets the milliseconds of the date.

Number `#getMinutes()`

Gets the minutes of the date.

Number `#getMonth()`

Gets the month of the date.

Number `#getSeconds()`

Gets the seconds of the date.

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.

Date `#now()`

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

Date `#parse()`

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, [monthValue], [dayValue])`

Sets the full year 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, [secondsValue], [msValue])
Sets the minutes of the date.

void [#setMonth](#)(monthValue, [dayValue])
Sets the month 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, [monthValue], [dayValue])
Sets the year 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, [secondsValue], [msValue])
Sets the minutes in UTC time.

void [#setUTCMonth](#)(monthValue, [dayValue])
Sets the month in UTC time.

void [#setUTCSeconds](#)(secondsValue, [msValue])
Sets the seconds in UTC time.

void [#setYear](#)(yearValue)
Sets the year of the date.

String [#toDateString](#)()
Returns a string version 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

Constructor Details

Date

Date()

Use the current date and time to create an instance of the object date.

Sample

```
var date = new Date();
```

Date

Date(milliseconds)

Create instance of date. The argument is the number of milliseconds since 1 January 1970 00:00:00 UTC.

Parameters

{[Number](#)} milliseconds

Sample

```
var date = new Date(milliseconds);
```

Date

Date(year, month, day)

Create an instance of date with the specified values.

Parameters

{[Number](#)} year

{[Number](#)} month

{[Number](#)} day

Sample

```
var date = new Date(year, month, day);
```

Date

Date(year, month, day, hours, minutes, seconds)

Create an instance of date with the specified values.

Parameters

{[Number](#)} year

{[Number](#)} month

{[Number](#)} day

{[Number](#)} hours

{[Number](#)} minutes

{[Number](#)} seconds

Sample

```
var date = new Date(year, month, day, hours, minutes, seconds);
```

Date

Date(year, month, day, hours, minutes, seconds, milliseconds)

Create an instance of date with the specified values.

Parameters

{[Number](#)} year

{[Number](#)} month

{[Number](#)} day

{[Number](#)} hours

{[Number](#)} minutes

{[Number](#)} seconds

{[Number](#)} milliseconds

Sample

```
var date = new Date(year, month, day, hours, minutes, seconds, milliseconds)
```

Date

Date(dateString)

Use the date specified by the string to create the instance of the date object. String format is "month day, year hours:minutes:seconds".

Parameters

{[String](#)} dateString

Sample

```
var date = new Date(dateString);
```

Method Details

UTC

Date **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

Date

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

Number **getDate()**

Gets the day of month.

Returns

Number

Sample

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

getDay

Number **getDay()**

Gets the day of the week (sunday = 0).

Returns

Number

Sample

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

getFullYear

Number **getFullYear()**

Gets the full year of the date.

Returns

Number

Sample

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

getHours

Number **getHours()**

Gets the hours of the date.

Returns

Number

Sample

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

getMilliseconds

Number **getMilliseconds()**

Gets the milliseconds of the date.

Returns

Number

Sample

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

getMinutes

Number **getMinutes()**

Gets the minutes of the date.

Returns

Number

Sample

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

getMonth

Number **getMonth()**

Gets the month of the date.

Returns

Number

Sample

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

getSeconds

Number **getSeconds()**

Gets the seconds of the date.

Returns

Number

Sample

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

getTime

Number **getTime()**

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

Returns

Number

Sample

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

getTimezoneOffset

Number **getTimezoneOffset()**

Gets the number of minutes between GMT and this date.

Returns

Number

Sample

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

getUTCDate

Number **getUTCDate()**

Gets the UTC date.

Returns

Number

Sample

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

getUTCDay

Number **getUTCDay()**

Gets the day in UTC time.

Returns

Number

Sample

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

getUTCFullYear

Number **getUTCFullYear()**

Gets the full year in UTC time.

Returns

Number

Sample

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

getUTCHours

Number **getUTCHours()**

Gets the hours in UTC time.

Returns

Number

Sample

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

getUTCMilliseconds

Number **getUTCMilliseconds()**

Gets the milliseconds in UTC time.

Returns

Number

Sample

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

getUTCMinutes

Number **getUTCMinutes()**

Gets the minutes in UTC time.

Returns

Number

Sample

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

getUTCMonth

Number **getUTCMonth()**

Gets the month in UTC time.

Returns

Number

Sample

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

getUTCSeconds

Number **getUTCSeconds()**

Gets the seconds in UTC time.

Returns

Number

Sample

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

now

Date now()

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

Returns

Date

Sample

parse

Date parse()

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

Returns

Date

Sample

setDate

void **setDate**(dayValue)

Sets the date.

Parameters

{**Number**} dayValue

Returns

void

Sample

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

setFullYear

void **setFullYear**(yearValue, [monthValue], [dayValue])

Sets the full year of the date.

Parameters

{**Number**} yearValue

{**Number**} [monthValue]

{**Number**} [dayValue]

Returns

void

Sample

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

setHours

void **setHours**(hoursValue, [minutesValue], [secondsValue], [msValue])

Sets the hours of the date.

Parameters

{**Number**} hoursValue

{**Number**} [minutesValue]

{**Number**} [secondsValue]

{**Number**} [msValue]

Returns

void

Sample

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

setMilliseconds

void **setMilliseconds**(millisecondsValue)

Sets the milliseconds of the date.

Parameters

{**Number**} millisecondsValue

Returns

void

Sample

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

setMinutes

void **setMinutes**(minutesValue, [secondsValue], [msValue])

Sets the minutes of the date.

Parameters

{[Number](#)} minutesValue

{[Number](#)} [secondsValue]

{[Number](#)} [msValue]

Returns

void

Sample

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

setMonth

void **setMonth**(monthValue, [dayValue])

Sets the month of the date.

Parameters

{[Number](#)} monthValue

{[Number](#)} [dayValue]

Returns

void

Sample

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

setSeconds

void **setSeconds**(secondsValue, [msValue])

Sets the seconds of the date.

Parameters

{[Number](#)} secondsValue

{[Number](#)} [msValue]

Returns

void

Sample

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

setTime

void **setTime**(timeValue)

Sets the milliseconds of the date.

Parameters

{[Number](#)} timeValue

Returns

void

Sample

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

setUTCDate

void **setUTCDate**(dayValue)

Sets the UTC date.

Parameters

{[Number](#)} dayValue

Returns

void

Sample

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

setUTCFullYear

void **setUTCFullYear**(yearValue, [monthValue], [dayValue])

Sets the year in UTC time.

Parameters

{[Number](#)} yearValue

{[Number](#)} [monthValue]

{[Number](#)} [dayValue]

Returns

void

Sample

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

setUTCHours

void **setUTCHours**(hoursValue, [minutesValue], [secondsValue], [msValue])

Sets the hours in UTC time.

Parameters

{[Number](#)} hoursValue

{[Number](#)} [minutesValue]

{[Number](#)} [secondsValue]

{[Number](#)} [msValue]

Returns

void

Sample

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

setUTCMilliseconds

void **setUTCMilliseconds**(millisecondsValue)

Sets the milliseconds in UTC time.

Parameters

{[Number](#)} millisecondsValue

Returns

void

Sample

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

setUTCMinutes

void **setUTCMinutes**(minutesValue, [secondsValue], [msValue])

Sets the minutes in UTC time.

Parameters

{[Number](#)} minutesValue

{[Number](#)} [secondsValue]

{[Number](#)} [msValue]

Returns

void

Sample

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

setUTCMonth

void **setUTCMonth**(monthValue, [dayValue])

Sets the month in UTC time.

Parameters

{[Number](#)} monthValue

{[Number](#)} [dayValue]

Returns

void

Sample

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

setUTCSeconds

void **setUTCSeconds**(secondsValue, [msValue])

Sets the seconds in UTC time.

Parameters

{[Number](#)} secondsValue

{[Number](#)} [msValue]

Returns

void

Sample

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

setYear

void **setYear**(yearValue)

Sets the year of the date.

Parameters

{[Number](#)} yearValue

Returns

void

Sample

```
date.setYear( integer );
```

toString

[String](#) **toString**()

Returns a string version of the date.

Returns

[String](#)

Sample

```
date.toString();
```

toLocaleDateString

[String](#) **toLocaleDateString**()

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

Returns

[String](#)

Sample

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

toLocaleString

[String](#) **toLocaleString**()

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

Returns

[String](#)

Sample

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

toLocaleTimeString

[String](#) **toLocaleTimeString**()

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

Returns[String](#)**Sample**

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

[toISOString](#)[String](#) **toISOString()**

Returns a string version of the date.

Returns[String](#)**Sample**

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

[toUTCString](#)[String](#) **toUTCString()**

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

Returns[String](#)**Sample**

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

[valueOf](#)[Number](#) **valueOf()**

Return integer milliseconds count

Returns[Number](#)**Sample**

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