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Window.localStorage

English ▾

The read-only **localStorage** property allows you to access a `Storage` object for the `Document`'s origin; the stored data is saved across browser sessions. `localStorage` is similar to `sessionStorage`, except that while data stored in `localStorage` has no expiration time, data stored in `sessionStorage` gets cleared when the page session ends — that is, when the page is closed.

It should be noted that data stored in either `localStorage` or `sessionStorage` **is specific to the protocol of the page**.

The keys and the values are **always strings** (note that, as with objects, integer keys will be automatically converted to strings).

Syntax

```
myStorage = window.localStorage;
```

Value

A `Storage` object which can be used to access the current origin's local storage space.

`SecurityError`

  The request violates a policy decision, or the origin is not a valid scheme/host/port tuple (this can happen if the origin uses the `file:` or `data:` scheme, for example). For example, the user may have their browser configured to deny permission to persist data for the specified origin.

Example

The following snippet accesses the current domain's local `Storage` object and adds a data item to it using `Storage.setItem()`.

```
1  localStorage.setItem('myCat', 'Tom');
```

The syntax for reading the `localStorage` item is as follows:

```
1  var cat = localStorage.getItem('myCat');
```

The syntax for removing the `localStorage` item is as follows:

```
1  localStorage.removeItem('myCat');
```

The syntax for removing all the `localStorage` items is as follows:

```
1  // Clear all items
2  localStorage.clear();
```

Note: Please refer to the Using the Web Storage API article for a full example.

Specifications

Specification	Status	Comment
HTML Living Standard The definition of 'localStorage' in that specification.	LS Living Standard	

Browser compatibility

	localStorage
Chrome	4
Edge	12
Firefox	3.5
IE	8
Opera	10.5
Safari	4
WebView Android	≤37
Chrome Android	18
Firefox Android	4
Opera Android	11
Safari iOS	3.2
Samsung Internet Android	1.0

What are we missing?

Full support

See also

- Using the Web Storage API
- Local storage with Window.localStorage
- `Window.sessionStorage`

Related Topics

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Window

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mozInnerScreenY

⚠ 👎 mozPaintCount

name

navigator

⚗ onabort

onafterprint

onanimationcancel

onanimationend

⚗ onanimationiteration

onappinstalled

⚗ onauxclick

onbeforeinstallprompt

onbeforeprint

onbeforeunload

onblur

oncancel

oncanplay

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ondurationchange

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oninvalid

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onkeyup

🧪 onlanguagechange

onload

onloadeddata

onloadedmetadata

onloadend

onloadstart

onlostpointercapture

onmessage

onmessageerror

onmousedown

onmouseenter

onmouseleave

onmousemove

onmouseout

onmouseover

onmouseup

⚠️ 🗑️ onmozbeforepaint

⚠️ onpaint

onpause

onplay

onpointercancel

onpointerdown

onpointerenter

onpointerleave

onpointermove

onpointerout

onpointerover

onpointerup

onpopstate

onrejectionhandled

onreset

onresize

onscroll

onselect

🧪 onselectionchange

🧪 onselectstart

onstorage

onsubmit

🧪 ontouchcancel

🧪 ontouchstart

ontransitioncancel

ontransitionend

onunhandledrejection

onunload

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🧪 onvrdisplayactivate

🧪 onvrdisplayblur

🧪 onvrdisplayconnect

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🧪 onvrdisplaypointerrestricted

🧪 onvrdisplaypointerunrestricted

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onwheel

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origin

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outerWidth

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🗑 pkcs11

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screenX

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⚠ scrollMaxY

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🧪 speechSynthesis

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🧪 visualViewport

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▼ Methods

alert()

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⚠ 🗑 back()

blur()

btoa()

🧪 cancelAnimationFrame()

cancelIdleCallback()

⚠ captureEvents()

clearImmediate()

clearInterval()

clearTimeout()

close()

confirm()

⚠️ convertPointFromNodeToPage()

⚠️ convertPointFromPageToNode

createImageBitmap()

⚠️ dump()

🧪 fetch()

⚠️ find()

focus()

⚠️ 👎 🗑️ forward()

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getComputedStyle()

getDefaultComputedStyle()

getSelection()

🗑️ home()

matchMedia()

minimize()

moveBy()

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⚠️ openDialog()

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queueMicrotask()

⚠️ releaseEvents()

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⚠️ 👎 requestFileSystem()

requestIdleCallback()

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