

Window.localStorage

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. (Data in a `localStorage` object created in a "private browsing" or "incognito" session is cleared when the last "private" tab is closed.)

Data stored in either `localStorage` **is specific to the protocol of the page**. In particular, data stored by a script on a site accessed with HTTP (e.g., <http://example.com>) is put in a different `localStorage` object from the same site accessed with HTTPS (e.g., <https://example.com>).

The keys and the values are *always* in the UTF-16 `DOMString` format, which uses two bytes per character. As with objects, integer keys are 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.

Exceptions

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().

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

The syntax for reading the localStorage item is as follows:

```
const cat = localStorage.getItem('myCat');
```

The syntax for removing the localStorage item is as follows:

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

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

```
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.	<div>LS</div> Living Standard	

Browser compatibility

[Report problems with this compatibility data on GitHub](#)

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

Full support

See also

- Using the Web Storage API
- Window.localStorage

- `window.sessionStorage`

Last modified: Jan 26, 2021, by [MDN contributors](#)