

# JavaScript Window Location

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The `window.location` object can be used to get the current page address (URL) and to redirect the browser to a new page.

## Window Location

The `window.location` object can be written without the window prefix.

Some examples:

- `window.location.href` returns the href (URL) of the current page
- `window.location.hostname` returns the domain name of the web host
- `window.location.pathname` returns the path and filename of the current page
- `window.location.protocol` returns the web protocol used (http: or https:)
- `window.location.assign()` loads a new document

## Window Location Href

The `window.location.href` property returns the URL of the current page.

### Example

Display the href (URL) of the current page:

```
document.getElementById("demo").innerHTML =  
"Page location is " + window.location.href;
```

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# Window Location Hostname

The `window.location.hostname` property returns the name of the internet host (of the current page).

## Example

Display the name of the host:

```
document.getElementById("demo").innerHTML =  
"Page hostname is " + window.location.hostname;
```

Result is:

```
Page hostname is www.w3schools.com
```

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## Example

Display the path name of the current URL:

```
document.getElementById("demo").innerHTML =  
"Page path is " + window.location.pathname;
```

Result is:

```
Page path is /js/js_window_location.asp
```

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## Window Location Protocol

The `window.location.protocol` property returns the web protocol of the page.

## Example

Display the web protocol:

```
document.getElementById("demo").innerHTML =  
"Page protocol is " + window.location.protocol;
```

Result is:

```
Page protocol is https:
```

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## Window Location Port

## Example

Display the name of the host:

```
document.getElementById("demo").innerHTML =  
"Port number is " + window.location.port;
```

Result is:

Port number is

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Most browsers will not display default port numbers (80 for http and 443 for https)

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## Window Location Assign

The `window.location.assign()` method loads a new document.

## Example

Load a new document:

```
<html>  
<head>  
<script>  
function newDoc() {  
  window.location.assign("https://www.w3schools.com")  
}  
</script>  
</head>  
<body>  
  
<input type="button" value="Load new document" onclick="newDoc()">
```

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