

URL.createObjectURL()

The `URL.createObjectURL()` static method creates a [DOMString](#) containing a URL representing the object given in the parameter. The URL lifetime is tied to the [document](#) in the window on which it was created. The new object URL represents the specified [File](#) object or [Blob](#) object.

To release an object URL, call [revokeObjectURL\(\)](#).

Note: This feature is available in [Web Workers](#).

Note: This feature is *not* available in [Service Workers](#) due to its potential to create memory leaks.

Syntax

```
const objectURL = URL.createObjectURL(object)
```

Parameters

object

A [File](#), [Blob](#), or [MediaSource](#) object to create an object URL for.

Return value

A [DOMString](#) containing an object URL that can be used to reference the contents of the specified source object.

Examples

See [Using object URLs to display images](#).

Usage notes

Memory management

Each time you call `createObjectURL()`, a new object URL is created, even if you've already created one for the same object. Each of these must be released by calling [URL.revokeObjectURL\(\)](#) when you no longer need them.

Browsers will release object URLs automatically when the document is unloaded; however, for optimal performance and memory usage, if there are safe times when you can explicitly unload them, you should do so.

Using object URLs for media streams

In older versions of the Media Source specification, attaching a stream to a [<video>](#) element required creating an object URL for the [MediaStream](#). This is no longer necessary, and browsers are removing support for doing this.

Important: If you still have code that relies on `createObjectURL()` to attach streams to media elements, you need to update your code to attach `ObjectURL` to the `MediaStream` directly.

you need to update your code to set `srcObject` to the `mediaStream` directly.

Specifications

Specification	Status	Comment
File API The definition of 'createObjectURL()' in that specification.	Working Draft	Initial definition.
Media Source Extensions The definition of 'URL' in that specification.	Recommendation	MediaSource extension. Older versions of this specification used <code>createObjectURL()</code> for MediaStream objects; this is no longer supported.

Browser compatibility

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

createObjectURL	
Chrome	19
Edge	12
Firefox	19
Internet Explorer	10

Opera	15
Safari	6
WebView Android	≤ 37
Chrome Android	25
Firefox Android	19
Opera Android	14
Safari on iOS	6
Samsung Internet	1.5
No longer accepts <code>MediaStream</code> object	
Chrome	?
Edge	?
Firefox	62
Internet Explorer	?
Opera	?
Safari	?
WebView Android	?
Chrome Android	?

Firefox Android	62
Opera Android	?
Safari on iOS	?
Samsung Internet	?

☐ Full support

☐ No support

☐ Compatibility unknown

Experimental. Expect behavior to change in the future.

See implementation notes.

See also

- [Using files from web applications](#)
- [Using object URLs to display images](#)

- [URL.revokeObjectURL\(\)](#)
- [HTMLMediaElement.srcObject](#)
- [FileReader.readAsDataURL\(\)](#)

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