**HTML | <iframe> sandbox Attribute**

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The**HTML <iframe> tag’s sandbox attribute** restricts the behavior of the embedded content for added security. It allows or disallows specific capabilities such as form submission and scripting within the iframe.

**When the sandbox attribute exists, it will:**

* treat the content as being from a singular origin
* It blocks form submission
* It blocks script execution
* It disables APIs
* It also prevents links from targeting other browsing contexts
* It stops the content from navigating its top-level browsing context
* block automatically triggered features (such as automatically playing a video or automatically focusing a form control)

The value of the sandbox attribute will either be simply sandboxed (then all restrictions are applied) or a space-separated list of pre-defined values that will take away the actual restrictions.

**Syntax:**

<iframe sandbox="value">

**Attribute Values** :

| **Attribute** | **Description** |
| --- | --- |
| no-values | Applies all restrictions, effectively disabling most capabilities of the embedded content. |
| allow-forms | Re-enables form submission within the iframe. |
| allow-pointer-lock | Re-enables pointer lock APIs within the iframe. |
| allow-popups | Re-enables popups within the iframe. |
| allow-same-origin | Allows the content of the iframe to be treated as being from the same origin as the parent page. |
| allow-scripts | Re-enables scripts within the iframe. |
| allow-top-navigation | Allows the content of the iframe to navigate its top-level browsing context. |

**Example:**In this example we displays GeeksforGeeks heading, iframe with sandbox attribute, and source set to GeeksforGeeks IDE. Basic structure without sandbox attribute values.



1

<!DOCTYPE html>

2

<html>

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<head>

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<title>

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HTML Iframe sandbox Attribute

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</title>

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</head>

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<body>

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<h1>GeeksforGeeks</h1>

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<h2>HTML IFrame sandbox Attribute</h2>

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<br />

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<br />

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<iframe

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id="GFGFrame"

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src="https://ide.geeksforgeeks.org/tryit.php"

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width="400"

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height="200"

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sandbox

23

>

24

</iframe>

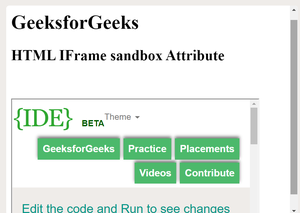
25

</body>

26

</html>

**Output:**



**Supported Browsers:**The browsers supported by HTML IFrame sandbox Attribute are listed below

* [Google Chrome](https://www.geeksforgeeks.org/google-chrome-browser/)
* [Edge](https://www.geeksforgeeks.org/microsoft-edge-browser/)
* [Firefox](https://www.geeksforgeeks.org/mozilla-firefox-browser/)
* [Opera](https://www.geeksforgeeks.org/opera-browser/)
* [Safari](https://www.geeksforgeeks.org/apple-safari-browser/)

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