Inject javascript in an iframe using chrome extension

Asked 10 years, 6 months ago   Modified 2 years, 10 months ago   Viewed 20k times

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There are lots of questions/answers on injecting javascript into the document page. What I really want to do is inject javascript in an iframe within the document.

To be clear, that iframe doesn't belong to the same domain as the document. I've already tried it through console (not through extension) but was unable to do so.

I'm very curious if this is something that can be done using a chrome-extension ?

`javascript`   `jquery`   `google-chrome`   `iframe`   `google-chrome-extension`

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asked Oct 10, 2013 at 6:03

eg coding_idiot
13.6k ● 10 ● 67 ● 117

1 Answer

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Yes, you can use [content scripts](#) property in manifest.json like this:

```
"content_scripts": [{
    "matches": ["http://*/*", "https://*/*"],
    "js": ["content_frame.js"],
    "all_frames": true
}],
```

By setting `all_frames` to `true` you will inject/include `content_frame.js` javascript file into top document and all iframes. In case you just need javascript injected in iframe but not in top document you can check inside your `content_frame.js` file like this:

```
if (parent === top) {
    // here you can put your code that will run only inside iframe
}
```

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edited Jun 9, 2021 at 0:20
Jahir
699 ● 2 ● 11 ● 27

answered Oct 10, 2013 at 6:09
Igor Jerosimić
13.7k ● 6 ● 45 ● 54

1   I'm just a beginner, I've coded only one extension till date. Do you have any complete example or any link I can go through. – coding_idiot Oct 10, 2013 at 6:12

@coding_idiot I expanded my answer a bit more and added link to documentation on how to use

content_scripts. I hope it's more clear now? – Igor Jerosimić Oct 10, 2013 at 16:18

4   You can use `include_globs` and `exclude_globs` to target specific frames instead of doing an if statement in your script: developer.chrome.com/extensions/content_scripts#include_globs – jkupczak Feb 6, 2017 at 20:34 ✎

This unfortunately does not work on iframes with empty src="" - programatically created and populated documents. – Mihaly KR Dec 18, 2018 at 9:31

I think the logic to check whether in an iframe or not is not `parent === top` but rather `self !== top` . – Arif Billah Apr 16, 2022 at 9:45