Chrome extension content scripts and iframe

Asked 12 years, 9 months ago   Modified 4 months ago   Viewed 26k times

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I'm tryng to make an extension for google chrome that does this things:

Run when loading www.example.com example.com has an iframe to another site, i need to get access to a link from this iframe (this is rapidshare, I need to grab the downloadlink)

So far so good, but..

Then I need the extension to inform the link url to example.com for further processing.

Any ideas o directions??

I've read http://code.google.com/chrome/extensions/content_scripts.html#host-page-communication but can't make it work...

javascript   google-chrome-extension

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The iframe injection part is addressed in this partial duplicate question. – Dan Dascalescu Sep 2, 2015 at 11:31

3 Answers

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You need to inject 2 content scripts:

```
"content_scripts": [
    {
      "matches": ["http://www.example.com/*"],
      "js": ["example.js"]
    },{
      "matches": ["http://www.rapidshare.com/*"],
      "all_frames": true,
      "js": ["rapidshare.js"]
    }
  ]
```

In order to transfer the link from one script to another you need to communicate through background page:

rapidshare.js:

```
chrome.runtime.sendMessage({url: "link"});
```

background.js:

```
chrome.runtime.onMessage.addListener(function(request, sender, sendResponse) {
    chrome.tabs.sendMessage(sender.tab.id, request);
    sendResponse({});
});
```

example.js:

```
chrome.runtime.onRequest.addListener(function(request, sender, sendResponse) {
    console.log("received url:", request.url);
    sendResponse({});
});
```

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edited May 26, 2023 at 17:26
neaumusic
10.2k ● 10 ● 57 ● 85

answered Jul 4, 2011 at 15:18
serg
110k ● 77 ● 320 ● 333

Thank you Serg, I got no time to test it right now, but I'll tell you how it goes! Thanks again – analogic.al Jul 4, 2011 at 16:18

3 Thanks so much for pointing out that different scripts could be loaded into different pages via the matches property! – snapfractalpop Jan 24, 2014 at 21:52

what does all_frames do? – Alexander Mills Feb 4, 2018 at 5:07

all_frames means - match applies for iFrames as well as top frames – Confused Vorlon Jul 20, 2018 at 14:14

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iframe is a separate document for the browser, that's why you can use chrome extension and integrate it directly into iframe. You need just mention URL of the iframe in chrome extension manifest file. We use integration of some menus and toolbars of our chrome extension apps into iframes. It works.

There is a nice article as additional info for Chrome Extensions and iFrames
http://www.natewillard.com/blog/chrome/javascript/iframes/2015/10/20/chrome-communication/

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answered Mar 16, 2018 at 8:56
Aleksandr Golovatyi
1,070 ● 1 ● 11 ● 20

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v3: serg's answer, what worked for me

```
"manifest_version": 3,
"content_scripts": [
    {
        "matches": ["http://www.rapidshare.com/*"],
        "all_frames": true,
```

```
        "js": ["insideIframe-content.js"]
    }
  ]
```

backgroundjs:

```
chrome.runtime.onMessage.addListener(function (request, sender, sendResponse) {
  console.log(url)
})
```

insidelframe-content.js:

```
chrome.runtime.sendMessage(url)
```

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