



How to integrate the API of SingleFile into an extension

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1. Create a [manifest.json](#) file containing the content below. Copy the JavaScript files from the `lib` folder present in the manifest.

```
{
  ...
  "content_scripts": [
    {
      "matches": [
        "<all_urls>"
      ],
      "run_at": "document_start",
      "js": [
        "lib/chrome-browser-polyfill.js",
        "lib/single-file-frames.js",
        "lib/single-file-extension-frames.js"
      ],
      "all_frames": true,
      "match_about_blank": true
    },
    {
      "matches": [
        "<all_urls>"
      ],
      "run_at": "document_start",
      "js": [
        "lib/chrome-browser-polyfill.js",
        "lib/single-file-bootstrap.js",
        "lib/single-file-extension-core.js",
        "lib/single-file.js"
      ],
      "all_frames": false
    }
  ],
  "background": {
    "page": "background.html",
    "persistent": false
  },
}
```



```

"web_accessible_resources": [
  "lib/single-file-hooks-frames.js"
],
"permissions": [
  "activeTab",
  "<all_urls>"
]
}

```

2. Create a `background.html` file or insert in your background page the scripts below.

```

<script src="/lib/chrome-browser-polyfill.js"></script>
<script src="/lib/single-file-background.js"></script>

```



3. Capture the page by executing the code below in the [content script](#) of the tab where SingleFile has been injected.

```

const { content, title, filename } = await extension.getPageData({
  removeHiddenElements: true,
  removeUnusedStyles: true,
  removeUnusedFonts: true,
  removeImports: true,
  blockScripts: true,
  blockAudios: true,
  blockVideos: true,
  compressHTML: true,
  removeAlternativeFonts: true,
  removeAlternativeMedias: true,
  removeAlternativeImages: true,
  groupDuplicateImages: true
});

```



- arguments
 - `options` is an object containing the options to pass to SingleFile.
- return
 - A promise which is resolved to an object containing the following properties:
 - `content` : HTML content of the page
 - `title` : tile of the page
 - `filename` : filename (if the option `filenameTemplate` is defined)

4. Notes

- If your project already includes a polyfill of the [API for WebExtensions](#) for Chromium-based browsers then you can omit the `lib/chrome-browser-polyfill.js` scripts in the `manifest.json` file.

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<https://github.com/gildas-lormeau/SingleFile.wiki.git>

