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Puppeteer page.evaluate querySelectorAll return empty objects

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Asked 6 years ago Modified 3 years, 7 months ago Viewed 50k times

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I am trying out Puppeteer. This is a sample code that you can run on: https://try-puppeteer.appspot.com/

The problem is this code is returning an array of empty objects:

> [{},{},{},

`Promise.resolve` isn't doing anything here, in addition to the DOM nodes not being JSON serializable. – ggorlen Mar 15, 2022 at 15:05

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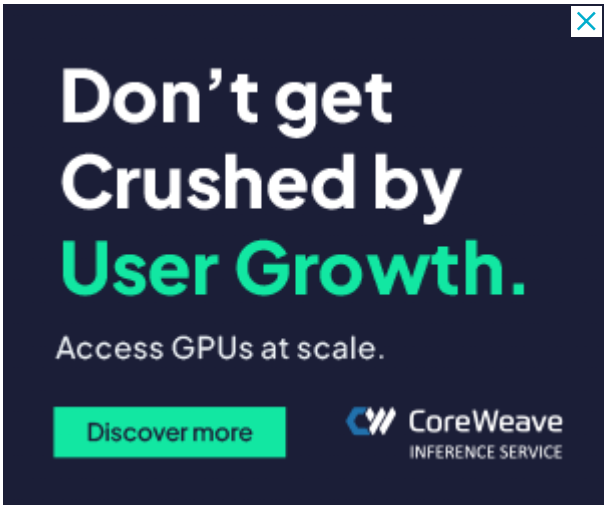

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3 Answers

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The values returned from evaluate function should be json serializeable

ome/puppeteer/issues/303#issue

ref values from the elements and

```
(sel) => {
ay.from(document.querySelectorAl
ts.map(element => {
.href
```

answered Sep 24, 2017 at 2:51

Abdullah Alsigar
1,236 ● 1 ● 12 ● 16

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objects as serializable (and they obviously are). Nevertheless, a simple `await page.evaluate(_ => { a: 1 })` will return `undefined` – gilad905 Sep 9, 2020 at 15:06

Not sure if you mistyped. But if you're trying to return that object using the shorthand notation, you need to wrap the return object; `await page.evaluate(_ => ({ a: 1 }))`. Could definitely be the cause for getting undefined. – PigBoT Jan 8, 2021 at 14:07

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Problem:

The return value for `page.evaluate()` must be serializable.

According to the Puppeteer documentation, it says:

> If the function passed to the `page.evaluate` returns a non-Serializable value, then `page.evaluate` resolves to `undefined`. DevTools Protocol also supports transferring some additional values that are not serializable by `JSON`: `-0`, `NaN`, `Infinity`, `-Infinity`, and bigint literals.

urn an element from the page
Node.js environment because

dle, which is a representation of
k to the Node.js environment.

lementHandle array:

```
.title');
```

xtract the `href` values from the
u can use `page.$$eval()`:

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answered Mar 13, 2020 at 0:09

Grant Miller
27.7k ● 16 ● 148 ● 165

`let list = await page.$$eval('.title', a => a.href);` is incorrect. It would need to be `const list = await page.$$eval('.title', a => a.map(e => e.href));`
– ggorlen Jan 3 at 19:14

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I faced the similar problem and i solved it like this;

```
await page.evaluate(() =>
      Array.from(document.querySelectorAll('.title'),
      e => e.href));
```

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answered Nov 7, 2019 at 14:33

Can Ali
341 ● 3 ● 10

8 TIL `Array.From` takes a callback map function – phillyslick Jan 19, 2020 at 0:33

`(".title", els => els.map(el =>`
ded as a convenience to avoid the
g to run
`()` as the first line of a browser
13

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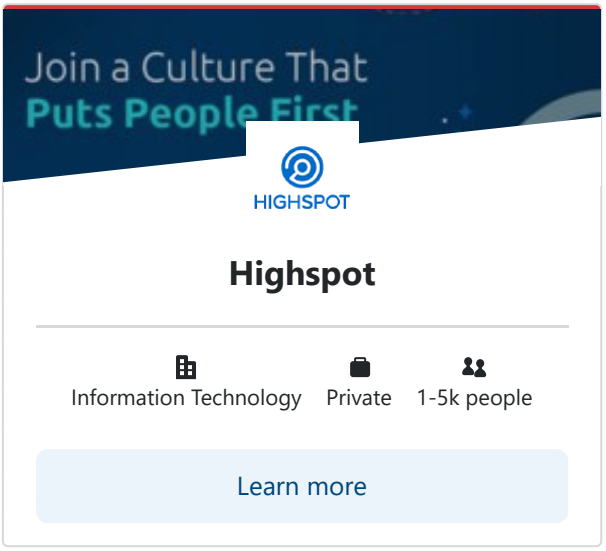

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