



[quickjs-devel] Re: The method "decodeURIComponent" does not meet the specification

发件人: Fabrice Bellard <fabrice@bellard.org>

时 间: 2019年9月27日(星期五) 晚上8:37

收件人: QuickJS <quickjs-devel@freelists.org>

Hi,

Thank you for the bug report. It will be fixed in the next release.

Best regards,

Fabrice.

On 09/26/2019 11:18 AM, Houyou Yao wrote:

```
> Hello,
>   Expected URIError exception is not thrown when running statement
> "decodeURIComponent("%ED%AF%BF");"
>
> # Version: quickjs-2019-09-18
>
> # Testcase:
> var NISLFuzzingFunc = function() {
>   var tmp = decodeURIComponent("%ED%AF%BF");
>   print(tmp.length);
> };
> NISLFuzzingFunc();
>
> # Command:
> ./quickjs-2019-09-18/qjs testcase.js
>
> # Output:
> 1
>
> # Expected output:
> Throw URIError on Line 2
>
> # Description:
>   I have manually calculated the statement
> "decodeURIComponent("%ED%AF%BF")" according to the definition of
> "decodeURIComponent" in the ES standard. If I correctly understand the
> ES standard, QuickJS should throw a URIError exception instead of
> printing "1". In addition, other engines throw URIError exception as
```

> expected, such as v8, spiderMonkey, javascriptCore, chakra. So, I
> suspect this is a bug of QuickJS.
> The step that QuickJS should throw URIError exception is as follows:
> "3. If n equals 1 or n is greater than 4, throw a URIError exception."
> (n==1)
>
> The references of ECMAScript are as follows:
> <https://tc39.es/ecma262/#sec-decodeuricomponent-encodeduricomponent>
> <https://tc39.es/ecma262/#sec-decode>
>
> Cheers,
> Houyou Yao
>
>
>
>