alex gorisse Reporter Comment 3 • 6 years ago In the end, the biggest issue is that I have to use foo4() in every browser, while foo1() is faster in Chrome, unless you can solve the problem above... Loic Updated • 6 years ago Severity: critical → normal Till Schneidereit [:till] Comment 4 • 6 years ago In my testing, foo4 is fastest in Chrome (current Chrome Canary, specifically): Time: 20 Time : 13 Time: 27 Time: 25 Time: 30 Time : 14 This makes sense, because as jandem explained creating an arguments object is expensive, and there's just no way not to do it if `arguments` escapes from the function.

alex gorisse Reporter

Comment 5 • 6 years ago

Jan de Mooij [:jandem]

Comment 6 • 6 years ago

Jan de Mooij [:jandem]

Jan de Mooij [:jandem]

Comment 8 • 6 years ago

alex gorisse Reporter

Comment 9 • 6 years ago

can you try this :

Jan de Mooij [:jandem]

Comment 10 • 6 years ago

file more bugs!

Flags: needinfo?(jdemooij)

Closed: 6 years ago

Status: UNCONFIRMED → RESOLVED

ms or so. Foo4 is about 2x faster at this point.

By the way, I found an other strange bug:

Thanks again, hope to see this great patch include in FF one day !

Hope the patch solve that too, and that is not an Array issue...

Updated • 6 years ago

Depends on: 1271929

Depends on: 1272598

new Foo1("a", "b", "c", "d", "e");

new Foo4("a", "b", "c", "d", "e");

Chrome is faster with foo1();), and so is safari and almost IE

Tomorrow I'll look at arguments object allocation performance.

try with args :

frameworks, so it's worth spending some more time on it I think. Depends on: 1132004 Flags: needinfo?(jdemooij) alex gorisse Reporter Comment 7 • 6 years ago Thanks a lot! Don't hesitate to put me in touch, in order to improve my framework ^^

Only FF gives the worst results of all ! almost 5 time slower, with no way to use foo3() to avoid that...

I've optimized this before (bug 1175466, bug 1175511) but |arguments| is still fairly common in some

There's another optimization I want to try tomorrow, but I think these numbers are pretty nice (arguments objects used to be horribly slow). Jan de Mooij [:jandem] Updated • 6 years ago

I've a patch stack that improves Foo1 (and the other tests that require an arguments object) from 152 ms to 44

```
var before = Date.now();
for (var i = 0; i < 1000000; i++) { var toto = new Foo4("a1", "a2", "a3", "a4", "a5", "a6") }
console.log("Time 41 : "+ (Date.now() - before));
var before = Date.now();
for (var i = 0; i < 1000000; i++) { var toto = new Foo4("a1", "a2", "a3", "a4", "a5", "a6", "a7") }
console.log("Time 41 : "+ (Date.now() - before));
```

In my browser, with 6 arguments (or less), I've got a result of 150ms, and just when I put 7 arguments, it goes

to 450 ms. At 14 arguments, I still have 450ms, and when I put 15 arguments, It goes to 1000 ms!

Bug 1272598 will be in Firefox 50. You can download a Nightly build if you want to test it.

> In my browser, with 6 arguments (or less), I've got a result of 150ms, and

> just when I put 7 arguments, it goes to 450 ms. At 14 arguments, I still

(In reply to alex gorisse from comment #9) > Thanks again, hope to see this great patch include in FF one day !

```
> have 450ms, and when I put 15 arguments, It goes to 1000 ms!
That's likely unrelated: I'd guess 6 elements fit inline in the array and when you add more, we need to
allocate external elements and take a slower path. We can make that faster with some work but it's an unrelated
issue.
```

I'll close this bug because the main arguments perf issue is fixed. Thanks for the bug report and feel free to

Resolution: --- → FIXED You need to log in before you can comment on or make changes to this bug.

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