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Owner: ---

CC: [yukishiino@chromium.org](#)
[jochen@chromium.org](#)
[peria@chromium.org](#)
[haraken@chromium.org](#)

Status: Fixed (Closed)

Components: [Blink>Bindings](#)

Modified: May 25, 2018

Editors: ---

EstimatedDays: ---

NextAction: ---

OS: [All](#)

Pri: [2](#)

Type: [Bug](#)

View history

Issue 598217: problem using the word event as var

Reported by [alexgorisse@gmail.com](#) on Sun, Mar 27, 2016, 2:48 PM GMT-5

Code

UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/49.0.2623.87 Safari/537.36

Steps to reproduce the problem:

1. declaring var event = function() {}
2. then loop it
3. performance is bad

What is the expected behavior?
The loop should be fast

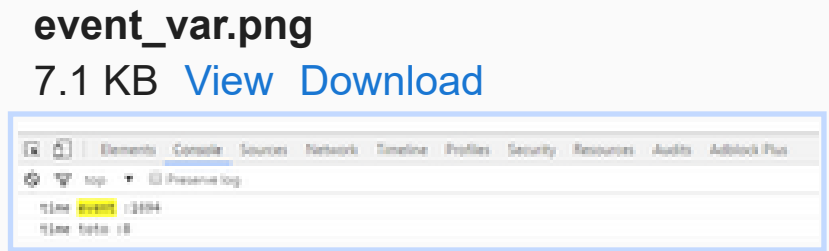
What went wrong?
The loop is slow when declaring the word "event". It does not happen with firefox

Did this work before? N/A

Chrome version: 49.0.2623.87 Channel: stable
OS Version: 10.0
Flash Version: Shockwave Flash 21.0 r0

```
var event = function() {}  
var speedEvent = Date.now();  
for (var i = 0; i < 1000000; i++) {  
    event();  
}  
console.log("time :"+ (Date.now() - speedEvent));
```

```
var toto = function() {}  
var speedToto = Date.now();  
for (var i = 0; i < 1000000; i++) {  
    toto();  
}  
console.log("time :"+ (Date.now() - speedToto));
```



Comment 1 by [dtapu...@chromium.org](#) on Mon, Mar 28, 2016, 9:56 AM GMT-5 Project Member

Components: -Blink Blink>JavaScript

Does this have something to do with the window.event property being a custom field?

I can confirm this on a Pixel.

Comment 2 by [alexgorisse@gmail.com](#) on Tue, Mar 29, 2016, 6:52 PM GMT-5

```
console.log(window.event) // --> undefined  
console.log(window.toto) // --> undefined  
  
console.log(event) // --> undefined  
console.log(toto) // --> Uncaught ReferenceError: toto is not defined
```

When you define window and event :

```
var event = function() { return "test"; }  
console.log(event()); // -- > "test"  
  
var window = function() { return "test"; }  
console.log(window()); // --> Uncaught TypeError: window is not a function
```

event is somewhere, hidden into the abysses of js...

Image the number of dev using this word on their script right now

Comment 3 by [hablich@chromium.org](#) on Wed, Mar 30, 2016, 3:28 AM GMT-5 Project Member

Cc: haraken@chromium.org jochen@chromium.org
Components: -Blink>JavaScript Blink>DOM

Sounds more DOM/Bindings related.

Comment 4 by [tkent@chromium.org](#) on Thu, Mar 31, 2016, 6:40 PM GMT-5 Project Member

Components: -Blink>DOM Blink>Bindings

Comment 5 by [bashi@chromium.org](#) on Sun, Jul 31, 2016, 7:55 PM GMT-5 Project Member

Status: Untriaged (was: Unconfirmed)
Cc: peria@chromium.org yukishiino@chromium.org

peria@, yukishiino@, could you triage this? (I'm not sure this is a binding issue)

Comment 6 by [peria@chromium.org](#) on Thu, Aug 25, 2016, 2:20 AM GMT-5 Project Member

Status: Available (was: Untriaged)
Owner: peria@chromium.org

Comment 7 by [peria@chromium.org](#) on Wed, Nov 9, 2016, 9:52 PM GMT-5 Project Member

Labels: -OS-Windows OS-All
Blockedon: 611632

Comment 8 by [sheriffbot@chromium.org](#) on Fri, Nov 10, 2017, 11:06 AM GMT-5 Project Member

Status: Untriaged (was: Available)
Labels: Hotlist-Recharge-Cold

This issue has been Available for over a year. If it's no longer important or seems unlikely to be fixed, please consider closing it out. If it is important, please re-triage the issue.

Sorry for the inconvenience if the bug really should have been left as Available. If you change it back, also remove the "Hotlist-Recharge-Cold" label.

For more details visit <https://www.chromium.org/issue-tracking/autotriage> - Your friendly Sheriffbot

Comment 9 by [peria@chromium.org](#) on Fri, Nov 10, 2017, 5:44 PM GMT-5 Project Member

Status: Available (was: Untriaged)

Comment 10 by [yukishiino@chromium.org](#) on Mon, Nov 13, 2017, 2:14 AM GMT-5 Project Member

Status: Assigned (was: Available)

I think that the cause is that Window's [event] attribute is NOT [Replaceable], so even when it's overwritten by author script, Blink is always performing access to an IDL attribute. [Replaceable] should solve this issue.

Note that Window.event is not yet standardized, but it will be standardized soon, and then it will be [Replaceable].

See also:
<https://github.com/whatwg/dom/issues/334>
<https://github.com/whatwg/dom/commit/e7cdac7732b756f595d95007bea23eb85ebd27e5>

Comment 11 by [peria@chromium.org](#) on Thu, May 3, 2018, 9:39 AM GMT-5 Project Member

Blockedon: 839389

Comment 12 by [yukishiino@chromium.org](#) on Mon, May 7, 2018, 2:41 AM GMT-5 Project Member

Bhagirathi implemented Window.event as [Replaceable].
<https://chromium.googlesource.com/chromium/src/+41c6e170e08b2a22b1171879865d1da493fad875>

I guess that this issue was resolved? Could someone verify the fix?

Comment 13 by [peria@chromium.org](#) on Fri, May 25, 2018, 1:25 AM GMT-5 Project Member

Labels: Hotlist-Bindings-IDLCompiler
Blockedon: -839389

Comment 14 by [yukishiino@chromium.org](#) on Fri, May 25, 2018, 1:31 AM GMT-5 Project Member

Status: Fixed (was: Assigned)
Owner: a_deleted_user

I confirmed the fix.