

# TenFourFox FPR16b1 available

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Created 25/08/2019 - 7:53am

Submitted by Rianne Schestowitz on Sunday 25th of August 2019 07:53:14 AM Filed under [Moz/FF](#) [1] [Web](#) [2]

FPR16 got delayed because I really tried very hard to make some progress on our two biggest JavaScript deficiencies, the infamous issues 521 (async and await) and 533 (this is undefined). Unfortunately, not only did I make little progress on either, but the speculative fix I tried for issue 533 turned out to be the patch that unsettled the optimized build and had to be backed out. There is some partial work on issue 521, though, including a fully working parser patch. The problem is plumbing this into the browser runtime which is ripe for all kinds of regressions and is not currently implemented (instead, for compatibility, async functions get turned into a bytecode of null throw null return, essentially making any call to an async function throw an exception because it wouldn't have worked in the first place).

This wouldn't seem very useful except that effectively what the whole shebang does is convert a compile-time error into a runtime warning, such that other functions that previously might not have been able to load because of the error can now be parsed and hopefully run. With luck this should improve the functionality of sites using these functions even if everything still doesn't fully work, as a down payment hopefully on a future implementation. It may not be technically possible but it's a start.

[3]

[Moz/FF Web](#)

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**Source URL:** <http://www.tuxmachines.org/node/127365>

## Links:

[1] <http://www.tuxmachines.org/taxonomy/term/118>

[2] <http://www.tuxmachines.org/taxonomy/term/103>

[3] <http://tenfourfox.blogspot.com/2019/08/tenfourfox-fpr16b1-available.html>