

Compare Firefox 64 bit and 32 bit performance

Firefox has tabbed browsing, spell checking, keyword search, live bookmarking, download manager, and an integrated search system that uses the engine User-customized search.

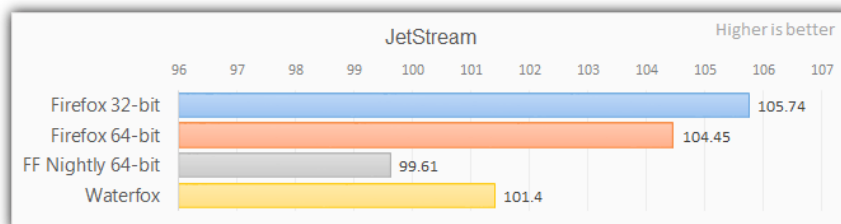
Over the past decade, **Mozilla Firefox** has been built and developed and loved by many users. There are many reasons for **Firefox** to eat **Chrome** or **Internet Explorer**.

Firefox has tabbed browsing, spell checking, keyword search, live bookmarking, download manager, and an integrated search system that uses the set User-customized search engine. Many functions can be added to the browser via **add-on** created by the third developer, some of the most popular utilities include **NoScript JavaScript** shortcut utility, **Tab Mix Plus** customizer, **Adblock Plus** , **StumbleUpon** (website discovery), **Foxmarks Bookmark Synchronizer** (bookmark bookmarking) .

Mozilla Firefox has developed two versions: **Mozilla Firefox 32bit** and **Mozilla Firefox 64bit** . Basically, the **32bit** and **64bit interfaces** are not much different, just different in terms of performance. For more information, please refer to the following article of Network Administrator.

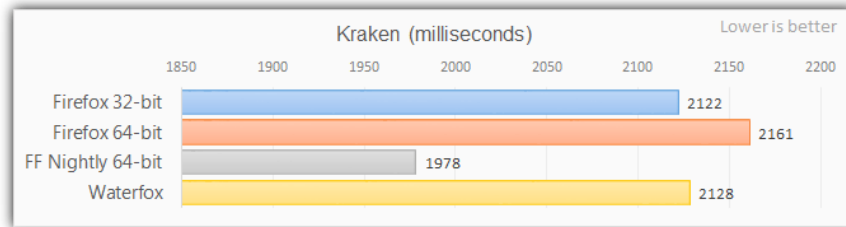
To run benchmarks on each browser installed and updated on **Windows 7 Professional SP1 64-bit** . The hardware is an **AMD Phenom II X4 955 CPU @ 3.2GHz** with **4GB 1333MHz** memory and **HDD 7200RPM** . We tested **Firefox 42.0 32-bit**, **Firefox 42.0 64-bit**, **Firefox Nightly 45.0a1 64-bit** and **Waterfox 40.1.0**, all of their default settings.

1. JetStream



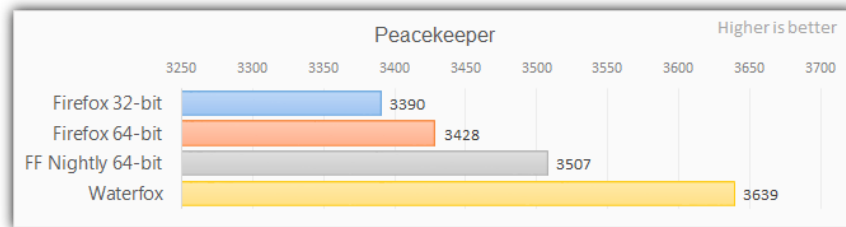
Jetstream is the **Webkit** browser browser and the **SunSpider** legacy tool. **Jetstream** has a range of **Javascript** criteria lists including workloads and scenarios, including testing sections for **Octane 2.0** and **SunSpider** . Each test section runs 3 times and gives an average score.

2. Kraken



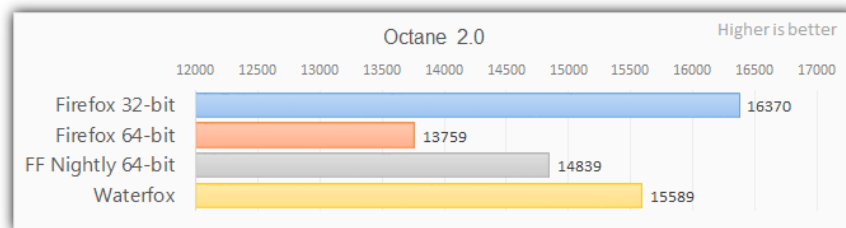
Kraken was developed by **Mozilla** itself , but this test needs to have more time to complete each test and give the total score in a few milliseconds, the lower the score means the better the performance.

3. Peacekeeper



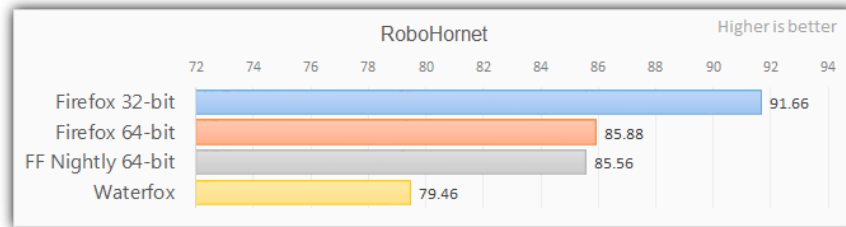
Peacekeeper is a provider of well-known testing tools such as **3DMark**, **PCMark** . **Peacekeeper** is a **Benchmark** test for browsers created by **Futuremark**. This is a tool to check and evaluate **DOM process** , **HTML5** , text and drawing analysis. **Peacekeeper** is no longer supported by **Futuremark** as before, but the tool still works.

4. Octane 2.0



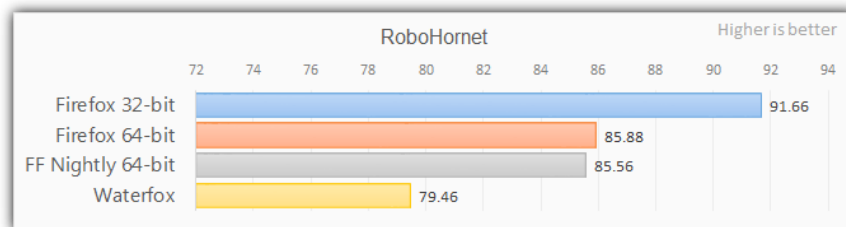
Octane is a **Javascript** test tool developed by **Google** to replace popular tools like **V8 benchmark** (including 9 test sections) and 4 other tools.

5. BrowserMark



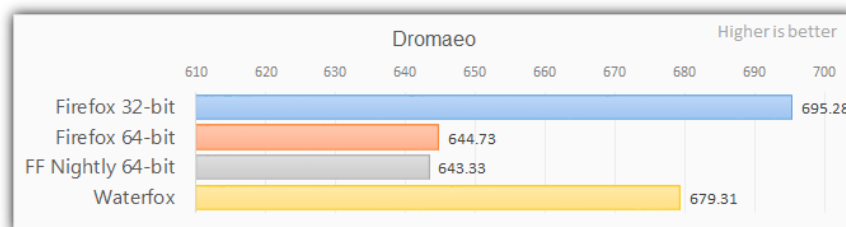
BrowserMark suites test a number of sections including resizing the browser, loading pages and requiring page loading speed, **Javascript** performance and **DOM** checking , **CSS** and graphics speed. **BrowserMark** will automatically select the server nearest you, or you can choose a different area if you want.

6. RoboHornet



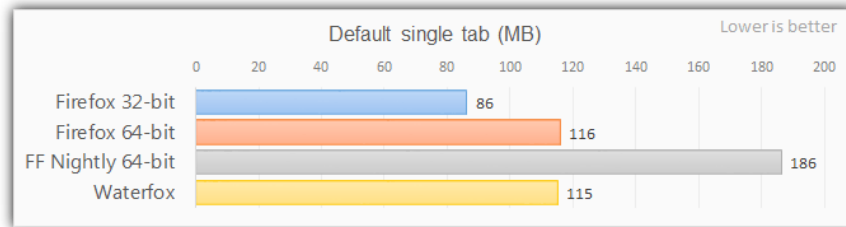
RoboHornet is a relatively new benchmark test tool. You can check and evaluate tables, **DOM**, **CSS**, **Canvas**, **Scrolling** and **Javascript**.

7. Dromaeo



This is a test suite produced by **Mozilla** , in addition to **SunSpider** and **V8** . Each Benchmark runs at least 5 times, thus explaining why the entire process takes about 15 minutes to complete.

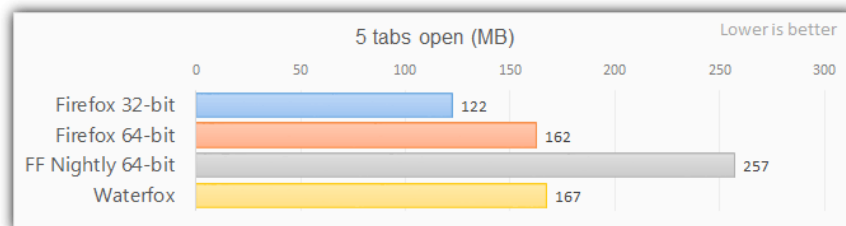
8. Open 1 tab Memory Usage (use memory)



How to check this memory is quite simple, open **Firefox** and delete Standard at the top of the page, after about 10 seconds to make everything stable, the memory used in the **Firefox.exe** process will be read in **Task Manager** .

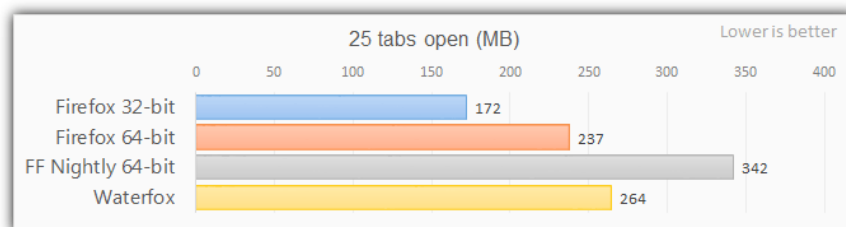
Note: Firefox Nightly is not beneficial in memory tests because it has an additional **plugin-container.exe** which increases and decreases **Memory Usage (memory usage)** like changing the number of tabs.

9. Open 5 Memory Usage tabs (memory usage)



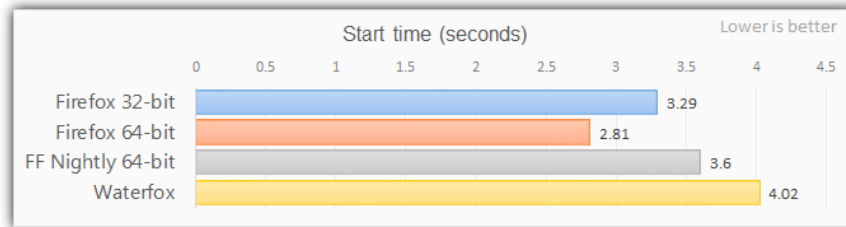
This test is quite simple, you just need to visit the Raymond.cc homepage and open 5 tabs, after a few seconds **Memory Usage** of **Firefox** will be recorded.

10. Open 25 tabs Memory Usage (memory usage)



Similar to the above tests, you open 25 tabs at once.

11. Start Time application



How long will it take to calculate **Firefox** or **Waterfox** for the first time after restarting (cold start: cold start).

12. Evaluation results

As a result of all 11 tests, **Firefox 32** versions are rated better than 8 out of 11 tests. Results **Memory Usage** (**memory usage**) is also better.

Basically, the interface of **Firefox 64bit** and **32bit** has no difference. The biggest difference between the **32-bit** and **64-bit** versions is the performance, when **Firefox 64bit** opens many tabs but doesn't consume a lot of system resources and doesn't affect the overall performance of the system. **Firefox 64bit** also exploits more than 4GB of **RAM** , allowing more efficient memory usage

Explore more:

1. **How to fix SSL connection errors on Chrome and Firefox**
2. **6 Tips or just Firefox has**
3. **Fix Flash Plugin errors on Firefox and Coc Coc**

Having fun!

You finished reading the article "**Compare Firefox 64 bit and 32 bit performance**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.