

The foxPEP Guide To The Internet

Release 2.2.2 *Gratitude* | Composed by zgxSystems

zgxSystems is not affiliated with showcased websites - they are linked only in the hope that they may be useful

This document shall serve as a reference directory for lightweight alternatives to heavyweight websites and browsers that older hardware cannot viably pull, even with foxPEP installed. It shall also host additional usage tips for better browsing performance on said hardware.

Browsers

Browser: Firefox

Lightweight Alternatives: Basilisk (<http://basilisk-browser.org/>)

Browser: Waterfox

Lightweight Alternatives: Pale Moon (<http://www.palemoon.org/>)

Optimized Browser Builds

Browsers: <https://rtfreesoft.blogspot.com/>

Operating Systems: Windows XP and up

Platforms: Pentium !!! and up / Athlon XP and up

Look for builds prefixed with 'SSE' if installing on the above cited platforms.

Websites

Website: DuckDuckGo.com, Startpage.com

Lightweight Alternatives: Bing.com, Searx.space

Website: YouTube.com

Lightweight Alternatives: Instances.Invidio.us, Tonvid.com

Website: CNN.com, DailyMail.co.uk

Lightweight Alternatives: AllSides.com

Website: Amazon.com, eBay.com

Lightweight Alternatives: Craigslist.com

Website: AccuWeather.com, WUnderground.com

Lightweight Alternatives: Weather.gov

Tips

- If the system RAM amount is limited to 4 GB, change the content process limit in *about:preferences* to 4. If RAM is limited to 3 GB, change the content process limit to 3 instead. If it is 2 GB, change the content process limit to 2. And if there is only 1 GB or less of RAM available, change the content process limit to 1. Alternatively, this can also be done in *about:config* with *dom.ipc.processCount*.
- Lower the screen resolution to a smaller value. When there are less pixels to push, the GPU will have an easier time rendering content. Ideal examples for 4:3 aspect ratios are *1280 x 1024* and *1024 x 768*. Similar ones for 16:10 ratios may include *1680 x 1050* and *1280 x 800*.
- Set the system desktop background to a solid color instead of a locally saved image. This will free up a small amount of VRAM, thereby increasing content rendering performance.
- For a small speed boost, press F11 (+ Fn on some keyboards) to switch the browser into full screen mode. This increases performance because when the webpage is the only thing onscreen, the computer doesn't have to do additional work rendering / updating the desktop while it's busy trying to process Web 3.0. Press F11 (+ Fn) again to return to windowed mode.
- If you are running either a Firefox Quantum-based browser, or a TenFourFox-based browser, it may be advisable to disable any ad-blocking extensions, as they consume resources while in use, potentially hindering performance depending on the extension used. Meanwhile, both Firefox Quantum and TenFourFox, when combined with foxPEP and TenFourFoxPEP respectively, are fully capable of blocking ads and trackers on their own.
- Use optimized browser builds instead of generic options whenever possible, as they can oftentimes take better advantage of the system processor than generic builds, resulting in higher performance. (Ex. SSE builds for Pentium !!! / Athlon XP machines, SSE2 for Pentium 4 / Athlon 64, etc.)
- Set the primary system DNS server to 1.1.1.1 and the secondary system DNS server to 1.0.0.1. This will route all DNS queries to Cloudflare's servers (which are proven to be the fastest in the world), and should considerably improve site loading performance.
- If using a Linux system, utilize the i3 window manager in conjunction with the XDM display manager to reserve as many hardware resources as possible for the browser.
- Upgrade the system CPU, RAM, and GPU to the maximum supported by the BIOS.
- If all else fails and Web performance remains unreasonably slow, use Links or NetSurf instead. (<http://links.twibright.com/>) (<http://www.netsurf-browser.org/>)