

foxPEP 2.2.2 *Gratitude* Engine Configuration

Engine One – Content Rendering

1. gfx.color_management.mode;0
2. gfx.xrender.enabled;true
3. gl.msaa-level;0
4. gl.multithreaded;true
5. image.cache.timeweight;0
6. image.mem.decode_bytes_at_a_time;65536
7. image.mem.max_ms_before_yield;0
8. image.onload.decode.limit;0
9. layers.acceleration.enabled;true
- 10.** layers.acceleration.force-enabled;true
11. layers.componentalpha.enabled;false
12. layout.css.osx-font-smoothing.enabled;false
13. network.dns.disablePrefetchFromHTTPS;false
14. nglayout.initialpaint.delay;0

Engine One disables color management, multi sample anti-aliasing, component alpha, and macOS font smoothing. It enables Xrender, graphics library multi-threading, forced hardware (GPU) acceleration, and HTTPS prefetching. It also sets image timeweight to 0, decoded bytes at a time to 65,536, image yield time to 0, image decoding limits to 0, and page painting delay to 0.

Engine Two – Scrolling Fluidity

1. general.smoothScroll;false
2. gfx.webrender.all;true
3. layers.offmainthreadcomposition.frame-rate;60
4. layout.frame_rate;60
5. layout.frame_rate.precise;true
6. mousewheel.acceleration.start;1
7. mousewheel.min_line_scroll_amount;20
8. toolkit.scrollbox.smoothScroll;false
9. toolkit.scrollbox.verticalScrollDistance;5
- 10.** webgl.max-warnings-per-context;0

Engine Two disables smooth scrolling and WebGL context warnings. It enables WebRender. It also sets the frame rate to 60, mousewheel acceleration threshold to 1, line scroll amount to 20, and vertical scroll distance to 5.

Engine Three – Resource Efficiency

1. accessibility.force_disabled;1
2. app.update.enabled;false
3. browser.cache.disk.enable;false
4. browser.cache.offline.enable;false
5. browser.pocket.enabled;false
6. browser.sessionhistory.max_entries;9
7. browser.sessionhistory.max_total_viewers;0
8. browser.sessionstore.interval;300000
9. browser.urlbar.delay;0
- 10.** dom.ipc.processHangMonitor;false
11. dom.ipc.reportProcessHangs;false
12. extensions.blocklist.enabled;false
13. extensions.update.enabled;false
14. media.webm.enabled;false
15. memory.free_dirty_pages>true
16. network.dns.disableIPv6>true
17. services.sync.enabled;false
18. ui.prefsReducedMotion;1

Engine Three disables accessibility services, update notifications, disk caching, offline caching, Firefox Pocket, process hang monitoring, extension blocking, extension updating, WebM video compatibility, IPv6 DNS lookups, and Firefox Sync. It enables intelligent memory allocation and reduced UI motion. It also sets the maximum session history entries to 9, maximum session history viewers to 0, session store interval to 300,000 milliseconds, and address bar suggestions delay to 0.

Engine Four – Browser Hardening

1. app.normandy.enabled;false
2. app.shield.optoutstudies.enabled;false
3. browser.safebrowsing.downloads.enabled;false
4. browser.safebrowsing.malware.enabled;false
5. browser.safebrowsing.phishing.enabled;false
6. browser.send_pings;false
7. datareporting.policy.dataSubmissionEnabled;false
8. experiments.enabled;false
9. geo.enabled;false
- 10.** media.navigator.enabled;false
11. media.peerconnection.enabled;false
12. network.allow-experiments;false
13. network.cookie.cookieBehavior;1
14. network.http.speculative-parallel-limit;0
15. network.IDN_show_punycode;true
16. network.predictor.enabled;false
17. privacy.trackingprotection.enabled;true
18. privacy.trackingprotection.cryptomining.enabled;true
19. privacy.trackingprotection.fingerprinting.enabled;true
- 20.** social.remote-install.enabled;false
21. social.toast-notifications.enabled;false

Engine Four disables remote browser management, autonomous studies, Google Safe Browsing, browser pinging functionality, Firefox Telemetry, autonomous geolocation functionality, device camera / microphone interfacing, WebRTC, third-party cookies, speculative connections, link prediction services, and various social functionalities. It enables Punycode translations and integrated tracking protection.

Engine Five – Bloat Trimming

network.dns.localDomains;

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Engine Five blocks most ad, tracking, and fingerprinting domains within the top 100 most visited websites on the Internet (as of Summer 2020).