**SLBr (Web Browser)**

**The new, clean, lightweight .NET Web browser**

**SLBr is a open source .NET Web Browser made using WPF (Windows Presentation Foundation) based on the Chromium platform.**

This is actually a real project, visit <https://github.com/SLT-World/SLBr> to check it out

**“It’s based on Chromium! In what way is it better than Google Chrome?”, you asked.**

**SLBr has various built-in features that improves user performance, these include:**

- Tab Unloading, the rendering engines of unused tabs are disposed, freeing up memory and resources.

- Lightweight Malware and Deception Protection

- **QUIC Protocol**

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| **Quick UDP Internet Connections [https://www.chromium.org/quic/]**  QUIC is a new multiplexed transport built on top of UDP. HTTP/3 is designed to take advantage of QUIC's features, including lack of Head-Of-Line blocking between streams, initially designed by Jim Roskind at Google.  QUIC is twice as fast as the usual HTTP/2 (TCP + TLS) that we all see everyday, as proven in the diagram below.  **C:\Users\AI\Downloads\QUIC (0).pngQUIC (0)** |

- Parallel Downloading

- Built-in Tracker & Ad Blocker that blocks intrusive ads and trackers

- Lightweight VPN (Proxy)

- Built-in Data & Tile Compression

- Google Weblight Loading

- Limits on CPU usage, maximum connections per server, frame rate and renderer processes

- Customizable Render mode

- Frame scheduling

- Multi threaded message loop

- Lazy frame & image loading, lite video loading

- Sanitizer API

- Auto memory disposable for all instance generations

**Aside from user performance, what differentiates SLBr from other browsers?**

- Unique Styling

- Custom Themes

- Built-in Screenshot Feature

- Multiple Browser Engine Selection [Blink, Trident, Gecko]

- Family Friendly Mode [Blacklist words, history monitor]

- Session Backups

**What differentiates SLBr from other similar chromium-based browsers?**

- Google Account logins on websites

- Set as Default Browser option

- PDF Unseasoned

- File Associations

- DPI Aware/High DPI Support

**In regards to security, what does SLBr have that other browsers don’t have in common?**

- “document.write” will be blocked/not executed

- Heavy ad intervention & heavy ad privacy mitigations

- Anonymize local IPs exposed by WebRTC prevents live view in cloud console

- Site Isolation

**Limitations of the REAL WORLD SLBr**

**Unfortunately, there are some limitations to this browser that needs to be addressed**

- Only free codecs are supported, proprietary codecs (such as [H.264](https://www.itu.int/rec/T-REC-H.264" \t "E:/Visual%20Studio/SLBr/SLBr/Resources/_blank)) are not supported due to licensing requirements.

- Limited Extension APIs, only certain extensions are supported

- Limited to the Windows Operating System

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But all of these problems will eventually be solved over time, the 1st patent of H.264 will be expiring next year 2023 and last patent of H.264 will be expiring in 2027. Meaning SLBr will support all of H.264 in 2028.

**What to expect from SLBr in the future?**

- Most limitations to be solved.

- Reader Mode

- Split Tab View

- Browser Account Logins

- Restyled PDF Viewer

- Full Extension Support

- FTP Client

- Support Forum

- Touch Support

- Spell Checking