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Subject: Re: Statically linked Web Browser

Posted by [seasoned\\_geek](#) on Thu, 13 Sep 2018 20:40:27 GMT

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Novo wrote on Thu, 13 September 2018 15:10: Have you checked "bazaar/ChromiumBrowser"?

I'm not an expert in CEF, but I found this:

<https://stackoverflow.com/questions/28697196/compile-chromium-embedded-3-project-statically-with-libcef-static-lib>

Theoretically, you should be able to compile CEF as a static library.

AFAIK, CEF has a multi-process architecture, so, you won't be able to create one fat "include all" executable.

You can check for similar functionality with other web-browsers. Maybe, they allow to use single-process architecture. I'm not an expert in Web-UI. A huge Web-UI based project my employer was working on for many years has failed, although we had a lot of success with Flash-based vector GUI, which we implemented as a static library.

Qt browser library should use a third-party rendering engine. It is practically impossible to develop another decent in-house rendering engine and JavaScript engine.

It is much easier to create regular GUI app with UPP and convert it into Web-GUI using TURTLE (example: [reference/WebWord](#)) :)

Hope this helps.

Statically linked would, by definition, create a one fat "include all" module. It is the only reliable way to create a single executable which runs on many different versions of the same OS or even different OS's. A good static linked executable will run on both a Debian and RPM based distribution without having to install anything else. It's a real PITA, but the only way to have sanity. Otherwise you release something into the wild and get clubbed to death by willy-nilly updates to dynamically linked libraries which break things without a care in the world.

Thanks again for your help.