

Porting Chromium to FreeBSD

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Current State

- First in ports end of 2010
- Chromium v92 in ports
- Chromium v93 worked on

Upstreaming

- Not accepting patches for unsupported platforms

Version Policy

- New version every 6 weeks
- Moving to 4 week schedule with v94
- New version obsoletes all old versions

Patches

- Nearly 1k patches
- Mostly applying `|| defined(OS_BSD)` to Linux-specific code
- Separating OS-specific stuff

Patches

- FreeBSD-specific
 - Process handles and metrics
 - System information
 - HID connections
- Support for sndio from OpenBSD

Patches

- Many in-tree versions of shared libraries
- Trying to use the libraries from ports instead

Python

- Defaults to python 3.x since v92
- Parts of the build still need python 2.7

Capsicum

- PoC for really old Chromium version
- Sandbox hooks for FreeBSD in v92 port

Wish List

- Add proper Capsicum support
- Fix the existing unit tests
- Enable Wayland support
- Maybe add support for WebUSB and WebBluetooth

Contribution

- <https://github.com/freebsd/chromium>
- freebsd-chromium@FreeBSD.org