FreeBSD USB devsummit status

by

Hans Petter Selasky

hselasky @ freebsd . org

Status of the Year

- No serious issues (refer to external reports)

- Improved USB driver support (device and controller)

- More systems using FreeBSD USB stack outside the FreeBSD kernel, for example DragonFlyBSD

Ideas for improved USB support

- Import more Linux USB serial port and USB ethernet device drivers into userspace «webcamd» daemon

- Move NDIS USB wrapper to userspace (USB WLAN + USB ETH)

- Emulate the Linux USB FS at character device level via a Cuse4BSD based daemon in userspace

Discussion

- Fix WLAN/ETH detach issues and races once and for all (adrian @)

- DWC OTG issues (needs DMA support and more testing for all device speeds and not just the ethernet and memory stick case)