

Pf(4) importing

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EuroBSDCon DevSummit, 2010

Present status

Pf(4) the same as the one in OpenBSD 4.1

(released 2007/05/01)

- Bugfixes missing**
- Sticky states still problematic**
- VIMAGE not supported**
- Sloppy states imported by Xin Li**

Import status

Pf(4) will be ported to OpenBSD 4.5 equivalent

(released 2009/05/01)

- + Bugfixes for the previous version**
- + Speed improvements (needs formal testing?!)**
- + pflow(4) – kernel interface for pflow data export**
- + New state tracking engine. Simplifies workflow and new comers understanding it.**
 - OpenBSD uses PCBs as cache while in FreeBSD port mbuf_tag(9) are used**
- + VIMAGE supported for pf(4) pfsync(4)/pflow(4) might need some work still. Pflog(4) needs more testing**
- + Pfsync(4) as kernel module**

Why not in HEAD?

- ❖ ENOTIME being the first ☹
 - » Might be pushed by pfSense.org
- ❖ No real infrastructure to test
- ❖ Number of 'real' alpha testers small /none?
- ❖ At this date HEAD has diverged quite a lot needing time to bring development branch up to date
- ❖ My SVN foo not at best levels

Plan & Future

- **Finish import 3 months before 9.0 – RELEASE?**
- **Fine grained locking**
 - **A plan sketched by mlaier@(might need revising)**
- **How to deal with newer pf(4) version from OpenBSD?**
 - **Compatibility layer not possible.**
 - **Import it as a different pfil(9) consumer(pfng(4)?!)**
 - **Implications with ip_output() changes required which might impact fast-path**

Conclusion

Thank you for your attention

QUESTIONS?