

slcon

Munich, 22 June 2013

Schedule

- 10.00 Welcome and dwm, arg
- 10.45 st, 20h
- 11.30 musl, nsz
- 12.15 sta.li, arg
- 14.00 runit and ignite, chneukirchen
- 14:45 costs of abstraction, nsz
- 15:30 suckless web ideas, 20h
- 16:30 next generation and suckless ev, arg

Welcome

- First slcon ever
- Thanks to chneukirchen and all contributors

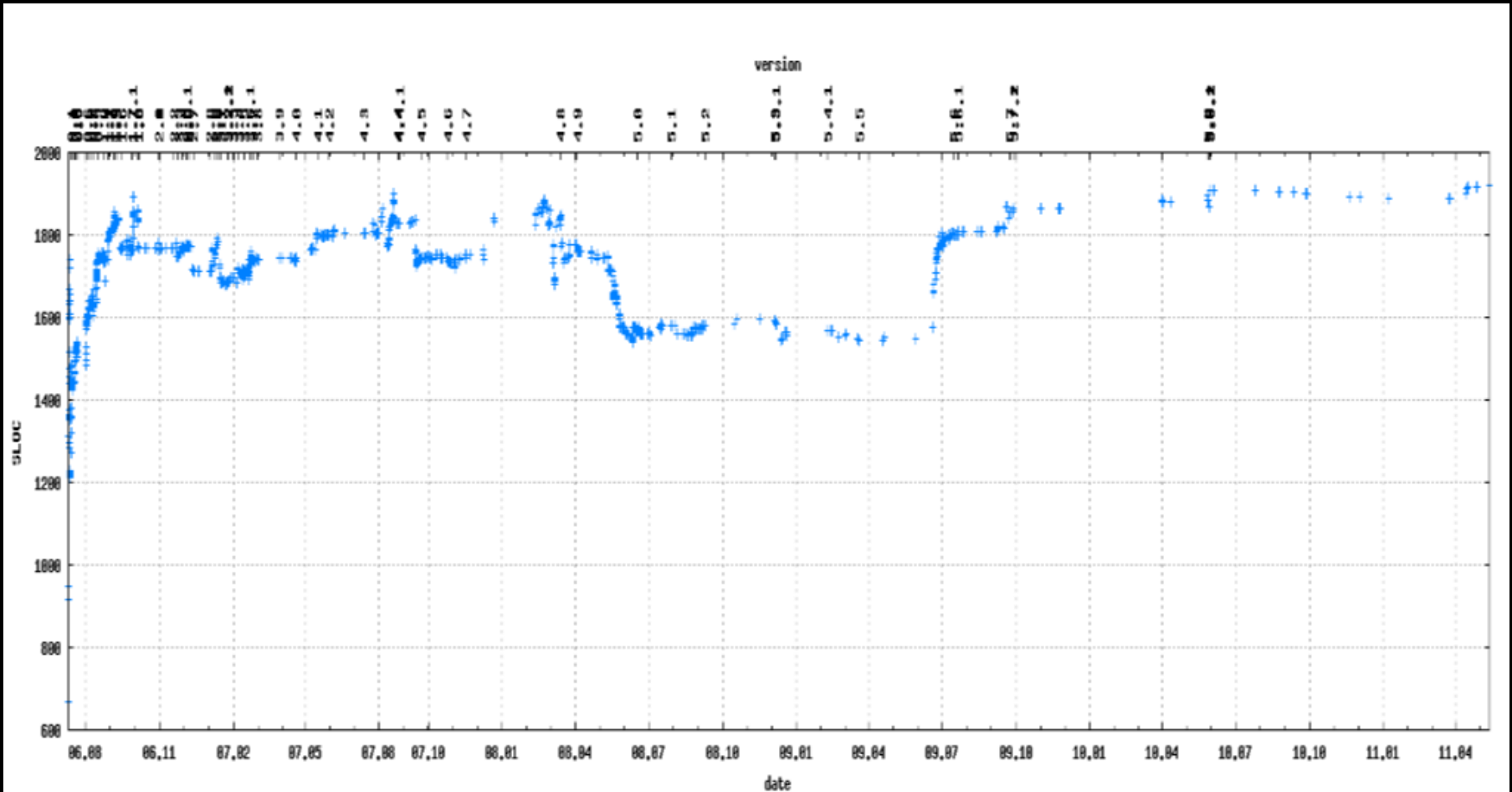
Some facts

- Founded in 2006, previously wmii.de
- Initially dwm, dmenu, now various projects
- Philosophy is spreading
- IRC channel lurker base grew from 10 to 140
- Approx. 60k downloads of dwm-6.0
 - > userbase probably around 10k
 - > It was time to have the first slcon

Future of dwm

- Almost finished project
- However:
 - X changes
 - Users come up with new ideas
 - New approaches appear (Wayland/Mir)
 - Architecture and design is always questioned/revised (suckless principle)
- Recently: has the dwm development stopped?
 - > No, only suspended for personal reasons

dwm sloc evolution during time



So what are the
next steps?

Next steps in dwm development

- libsl separation and re-use
 - Drawing code API-abstraction
 - Utility code abstraction
- Drawing code API allows different implementations
 - X11/Xft
 - X11/cairo
 - X11/whatever
 - Wayland? (probably not)
- Reuser of libsl in other projects like dmenu and hopefully st (needs to be discussed)

Plan

- 6.1 around Oct 2013
 - All next steps included
- 6.2 in 2014 (probably the final release)
-> remember, dwm is finished
- Thanks

Future of sta.li

- Current state: still vaporware
- Contradicting approaches and plans
 - starch
 - **sabotage**
 - uclibc
 - **musl**
 - android
 - installer vs out of the box/netbootable
 - different filesystem layout wishes
 - different user/group handling wishes
 - single user vs multi user
 - **nldev/mdev**
 - etc

sta.li fs

/bin - all executables

/boot - all boot files

/dev - devices

/etc - system configuration

/svc - services

/home - user directories

/root - the root home

/var - spool, run, log, cache

/share - man pages, locales, dependencies

/devel - development environment

/devel/include

/devel/lib

/devel/src

My take on it

- To me the sta.li/ page still explains what sta.li should be
- I'm investigating android as base after looking into the options, but with musl instead of bionic
- Reasons
 - Google almost killed the traditional /etc and user/group handling
 - It is not designed for servers (no real sta.li goal from my perspective)
 - The core of the android build system is actually sane (most of it is actually insane, though)

Plan

- Tonight: git.sta.li launch
- android based prototype until Aug 2013
- Problem: lack of time
 - See my later talk in the afternoon how to tackle this
- We need to collaborate, it is impossible to achieve with 1 man power
 - > Requires agreeing what to do and how
- Thanks

Next generation

- How to spread the suckless idea further?
- What about the new contributors?
 - So far there are several kinds of contributors
 - long time contributors
 - short time contributors
 - sporadic contributors
- How to further develop the suckless philosophy?
- How to change the decision making process?

Idea: suckless e.V.

- Formal legal entity
- Possibility to hire students working on projects
 - GSOC rejected us 3 times, now we do it ourselves
- Easier to organize things and to find sponsors
- Easier to build up the suckless certification system ;)
- You tell me what else would be possible...

Closing summary