# **SICON** 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

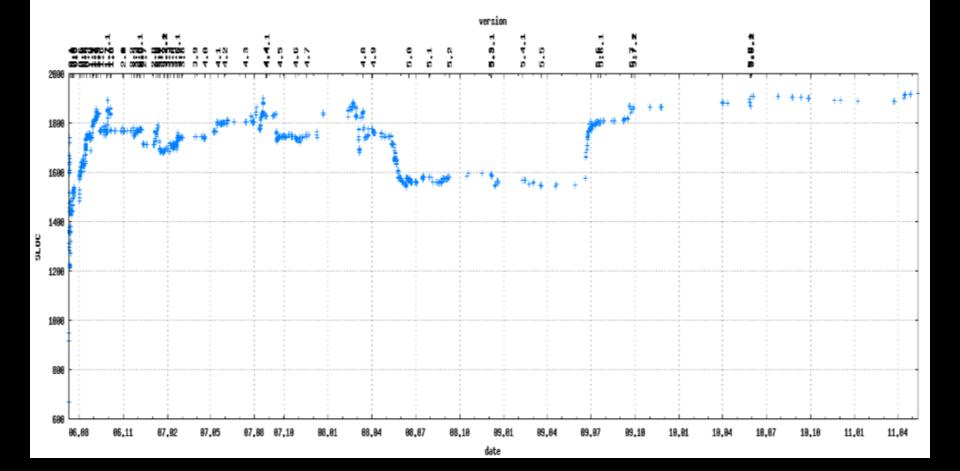
#### Welcome

- 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
  - o 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
  - o starch
  - sabotage
  - $\circ$  uclibc
  - o **musl**
  - o 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
    - Iong 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**