

Intro

=====

```
for proj in st surf tabbed sbase nldev;
do
    printf "%s - the past and the future.\n" "${proj}"
done
```

Christoph Lohmann <20h@r-36.net>

st - History

=====

2008-05-11 - first check in to the st repository
2011-04-02 - v0.1
2011-04-03 - v0.1.1
2012-01-21 - v0.2
2012-02-16 - v0.2.1
2012-11-02 - v0.3
2013-03-29 - v0.4
2013-04-20 - v0.4.1

sloccount: 3,613

dependencies: libc, libX11, libXext, libXft, libfontconfig, libfreetype

st - Features

=====

- o Comparable speed of other terminals.
- o nearly all features you need from a terminal
 - o line drawing
 - o full UTF-8 support
 - o 256 colors
 - o mouse support
 - o alternative screen support
 - o full mouse selection support
 - o BSD game support
 - o nyan(1) support
 - o BCE support (still many applications miss this)
 - o modem optimisation (yeah!)
 - o many hundred escape codes
 - o blinking support

st - TODO

=====

- o wide-character support
- o better font drawing (libslft?)
 - o xft sucks
 - o no diacritics
 - o no combining characters
 - o only pango does all of the above
 - o glib dependency! Horror!
- o some multiplexing daemon

st - What is st not

=====

- o an experimenting field for alternative terminal concepts
 - o No graphical support
 - o Found your own project and don't mangle the vt100 principle even more. Please! Maybe you want a simpler HTML?
- o tmux/dtach/screen replacement
 - o No backbuffer. Ever!

st - Future

=====

- o 1.0 release
 - o mostly complete terminal emulation
 - o have enough market shares to be able to tell people to go away and fix their applications
 - o feature freeze
 - o Of course brilliant new ideas will be integrated!
 - o I myself will dedicate more time to future and other projects. (Talk to me if you want to know more.)

surf - History

=====

2009-06-05 - first commit to the repository
2009-09-10 - v0.1 release
2009-09-10 - v0.1.1 release
2009-09-11 - v0.1.2 release
2009-10-17 - v0.2 release
2009-10-30 - v0.3 release
2010-05-28 - v0.4 release
2010-06-08 - v0.4.1 release
2012-06-11 - v0.5 release
2013-02-10 - v0.6 release

sloccount: 1,567

dependencies: libc, libwebkit (pulls in many dependencies)

surf - Features

=====

- o CGISVM system to control website features
- o kiosk mode
- o full plugin support
- o web inspector support
- o superb tabbed integration
- o many shortcuts by default

surf - TODO

=====

- o write a full-featured suckless web rendering engine
 - o remove the webkit dependency
- o some better way to handle bookmarks and history
- o suckless ad blocking
 - o somehow adapt adblock plus?
- o more plugin options
 - o download flash video
 - o play flash video in video player
- o better UNIX-ish way of URI handling
 - o handle certain URIs with different commands

surf - Future

=====

- o 1.0 release
 - o suckless web rendering engine
 - o better URI handling
 - o just be a simple compatibility layer to the web

tabbed - History

=====

2009-10-27 - v0.1 release
2009-10-30 - v0.2 release
2010-05-24 - v0.3 release
2012-07-07 - v0.4 release
2012-08-20 - v0.4.1 release
2013-05-06 - v0.5 release

sloccount: 1,302

dependencies: libc, libX11

tabbed - Features

=====

- o Handles all kind of tabbing of X11 windows
- o Has full screen support for surf in tabbed
- o it works

tabbed - TODO

=====

- o add some helper commands to attach and detach X11 windows on-the-fly
- o maybe add Xft or libslft support to have better font rendering

tabbed - Future

=====

- o v1.0 release

- o the helper commands

- o yes, tabbed is that close to be finished

sbase - History
=====

no release yet

sloccount: 3,702

dependencies: libc

sbase - Features

=====

o commands:

- o basename, cal, cat, chgrp, chmod, chroot, chvt, cksum, cmp, comm, cp, date, dirname, echo, env, expand, false, fold, grep, head, kill, ln, ls, mc, mkdir, mkfifo, mv, nl, nohup, paste, printenv, pwd, readlink, renice, rm, rmdir, seq, sleep, sort, split, sync, tail, tee, test, touch, true, tty, uname, uniq, unlink, wc, who, yes

o in patch queue: logname, md5sum

All commands are not full-featured, but they are made to work and serve their task. If you find any missing feature, send a patch.

sbase - TODO

=====

cut, df, diff, du, expr, id, printf, shasum, tr, unexpand, who
(and options for the existing commands, when you need them)

Many other commands, like modprobe, insmod etc.

sbase - Future

=====

- o v1.0 release
 - o full basic commands for sta.li
 - o working replacement for busybox and maybe coreutils

nldev - Description

=====

- o serializer for netlink socket requests by the kernel
- o calls mdev from busybox
- o udev replacement

nldev - Features

=====

- o Replaces udev on my system
- o does input device handling (through symlinks)

nldev - TODO

=====

- o write more helper scripts
- o integrate the mdev parser engine into nldev
- o make a usable package for everyone

nldev - Future

=====

- o create a libudev wrapper to have X11 automatically work
- o convince the Linux kernel developers that udev sucks

Thanks

=====

Thanks for listening!

This presentation was created using md2point and catpoint.

Discussion

=====

- o Have you encountered problems with using st?
- o What's the most annoying stuff in st?
- o Would your mother use st?
- o Anyone of you has written a nice font library I can instantly use in st?
- o Are you using surf?
- o What is stopping you from using surf?
- o Would you base your new startup on surf?
- o Are you using tabbed? How do you like it?
- o Which commands do you need to be added to sbase?
- o Are you using mdev?