Intro
=====

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

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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
================

- Comparable speed of other terminals.
- Nearly all features you need from a terminal
  - Line drawing
  - Full UTF-8 support
  - 256 colors
  - Mouse support
  - Alternative screen support
  - Full mouse selection support
  - BSD game support
  - Nyancat(1) support
  - BCE support (still many applications miss this)
    - Modem optimisation (yeah!)
  - Many hundred escape codes
  - Blinking support
st - TODO
==========

- wide-character support
- better font drawing (libslft?)
  - xft sucks
    - no diacritics
    - no combining characters
  - only pango does all of the above
    - glib dependency! Horror!
- some multiplexing daemon
st - What is st not

====================

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

1.0 release
   - mostly complete terminal emulation
   - have enough market shares to be able to tell people to go away and fix their applications
   - feature freeze
     - Of course brilliant new ideas will be integrated!
   - 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

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

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

- 1.0 release
  - suckless web rendering engine
  - better URI handling
  - 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

slocount: 1,302

dependencies: libc, libX11
tabbed - Features

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

=============

- add some helper commands to attach and detach X11 windows on-the-fly
- maybe add Xft or libslfift support to have better font rendering
tabbed - Future
=============

- v1.0 release
  - the helper commands
    - yes, tabbed is that close to be finished
sbase - History

no release yet

sloccount: 3,702

dependencies: libc
sbase - Features
=================

- commands:
  - 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

- 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, shalsum, tr, unexpand, who (and options for the existing commands, when you need them)

Many other commands, like modprobe, insmod etc.
sbase - Future

Expected:

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

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

- Replaces udev on my system
- 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

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

Thanks for listening!

This presentation was created using md2point and catpoint.
Discussion
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- Have you encountered problems with using st?
- What’s the most annoying stuff in st?
- Would your mother use st?
- Anyone of you has written a nice font library I can instantly use in st?
- Are you using surf?
- What is stopping you from using surf?
- Would you base your new startup on surf?
- Are you using tabbed? How do you like it?
- Which commands do you need to be added to sbase?
- Are you using mdev?