

Intro

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```
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

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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

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- 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

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- 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

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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

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- 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

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- 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

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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

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

tabbed - TODO

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- 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

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- 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

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### 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

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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

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

## nldev - Description

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

## nldev - Features

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

nldev - TODO

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

nldev - Future

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

Thanks

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Thanks for listening!

This presentation was created using md2point and catpoint.

## Discussion

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- 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?