

# My Life in git

**After the articles “Keeping my life in subversion” and “Keeping my life in CVS”.**

# Summary

- Speaker introduction
- The problem space
- The inspirational articles
- Almost everything in subversion
- Almost everything in git
- Conclusion

# Speaker

- SysAdmin of Un\*x and Linux since 1993
- Debian contributor
- Free Software programmer on spare time: switchconf, at daemon, logcheck
- Debian Developer since February 2017

# The problem space

- Several computers with my account around the world
- Some bash alias are very used by me
- Some key programs need some very important tuning
- I like to store the history of some key files
- Several personal software projects
- Keep a diary of the computers that I SysAdmin
- More than 100 private Debian packages

# CVS homedir, or keeping your life in CVS

- Started by 2002, Linux Journal, “CVS homedir, or keeping your life in CVS”
- Was a very interesting read
- I did not know anything about CVS
- Not enough storage on my home Linux Workstation



# Subverting your homedir, or keeping your life in svn

- 2005, probably on Linux Weekly News, “Subverting your homedir, or keeping your life in svn”
- Was another interesting read
- I know about subversion and RCS
- Enough storage on my home Linux Workstation
- I decided to try the suggestions of the article

# Subverting my homedir, or keeping my life in svn

- I started to put most of my files in two big subversion, a public and a private
- bin – some very used personal scripts, in PATH
- home-base – dot files that personalize programs
- source.comum – old sources synchronized by old means with a lot of scripts, now under subversion
- src – all my software projects under subversion, more than 120
- diario – diary of the computer I SysAdmin
- doc – all my documents that keep under subversion

# My ~/bin in svn

- Started to use the same scripts and names from the article and introduced others
- `svnfix` - bootstrap all directories from svn on homedir
- `svnstatus` - show the status of all directories under svn
- `svnupdate` - update all directories
- `sysinfoupdate` - collects relevant information about a machine that I SysAdmin to help in case of disaster recovery or to pinpoint problems

# My ~/home-base in svn

- .bash\_profile and .bashrc
- .emacs and .key\_19
- .devscripts - to pin my PGP key
- .quiltrc - to tune for Debian developer work
- .screenrc - to show a clue whenever I am inside a screen session
- svnfix - to link the files under ~/home-base into the right places

# My ~/source.comum in svn

- musica – scripts to create and manage my music files I have read from CDs
- scripts – lots of scripts for example:
- Benchmarking
- Stress test
- sysinfoupdate – original place of development

# My ~/src in svn

- All my software projects moved into here
- Including my official Debian package work: switchconf and xorp
- Private Debian packages
- Private meta-packages
- Small software projects

# My ~/doc in svn

- artigos - articles and other documents made with Latex
- collections - lists of books and magazines
- diario - diaries of all machines I SysAdmin
- Plans - files from planner mode of emacs
- viajante - tickets, plans and other stuff from my travels
- Wiki - personal Wiki pages made with emacs

# My life in git

- Until one day I decided to learn and practice git
- No update of the articles on how to store a homedir in git
- At work there was the decision to start to use git and later GitLab
- At my personal computers I started to slowly move from subversion to git
- At Work gone full git

# Keep your work under git

- bin – most common and personal scripts
- home-all – dot files that personalize programs to the work standard
- src.git – source projects under git
- diario – diary of the local machine

# Work ~/bin in git

- gitfix – Does the bootstrap the homedir or fix things not managed by git
- gitstatus – show the *git status* of all directories under git in standard places
- gitupdate – git pull all directories under git and updates diary of the local machine

# Work ~/home-all in git

- `.bash_profile` and `.bashrc` - to configure the bash as demanded by management
- `bash_local.*` - to extra tune the bash to the linking of several people
- `bash_local.cal` - tune the bash as I like it most
- `.quiltrc` - tune to Debian work, as quilt is not used as a generic patch manager on work
- `.screenrc` - to show a clue that we are under a screen session

# Work ~/src.git in git

- Sysinfoupdate - collects relevant information about a machine that I SysAdmin to help in case of disaster recovery or to pinpoint problems
- test\_cpupbuild - scripts to stress test a computer and check if it is stable

# Conclusion

- After some years and extra storage I dived into putting almost everything under subversion
- It is much easier to have consistent behavior in different computers and accounts
- At home I slowly dived into git
- At work was full git
- I have a single place in subversion and several git projects with all my work
- It is easier to backup and differentiate the important things

**Thank You**