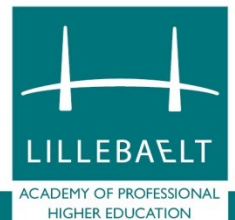


# Git and version control

EAL hackathon

EAL, Odense

May 2016



# Schedule

- Background
  - ideas and buzzwords
  - git basic concepts
  - an exampe
- Hands-on
  - git clone

# A personal opinion

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Pick any three!

Version control

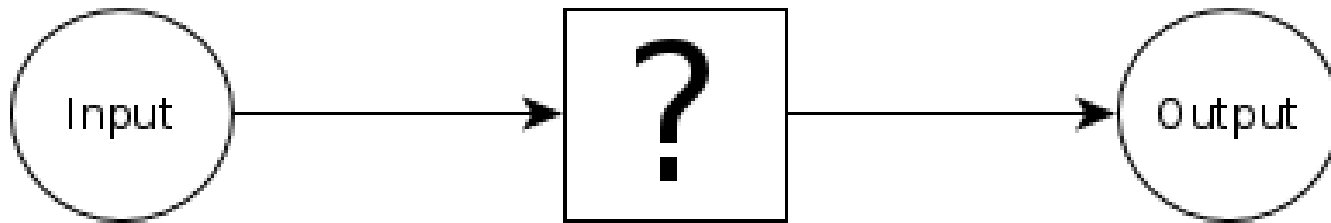
Plan

Test

Fail

# Testing

---



# Version control

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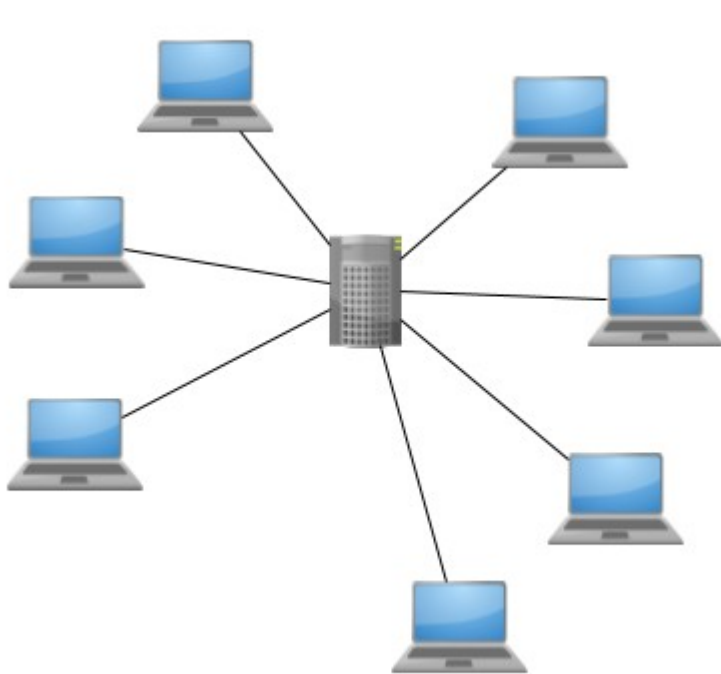
```
moz@lennart:~/git/libsensortag$ git log --pretty=format:"%h %s" | head -n 10
75045e3 Merge branch 'development' of github.com:moozer/libsensortag into development
f7e19bd Merge branch 'malikbonnicksen-development' into development
8d4d7f2 Merge pull request #10 from rustyinc/development
89046a8 Changed line breaks from double enter to the HTML tag <BR>
93725a5 Playing with the line breaks
a51cd12 Changed some line breaks
1c7c7ad Changed a headline
5afffd5 Corrected errors in the doc
2238937 Added extras
b1bdf5c Project HID common API - added remaining get-functions
```

# Buzzwords

---

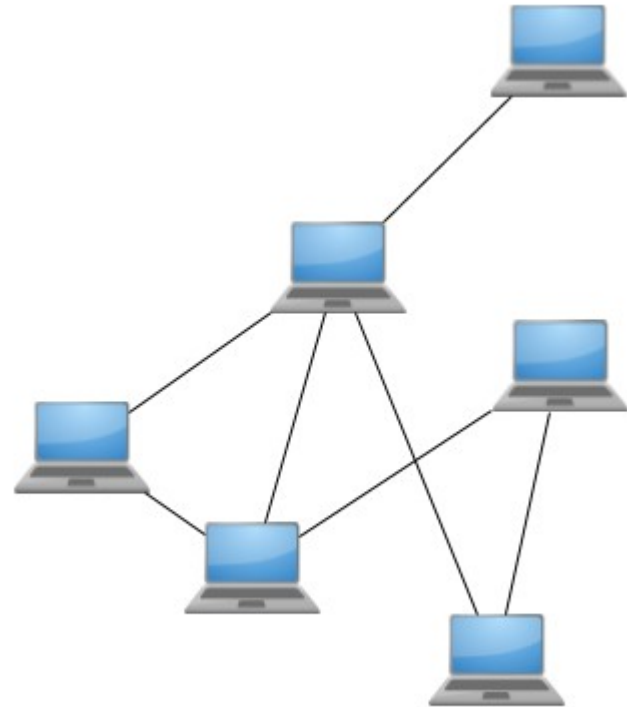
Merging  
Reverting  
History  
Updating

# Bonus slide



Centralized

VS.



Distributed

# git

---

This works  
use it

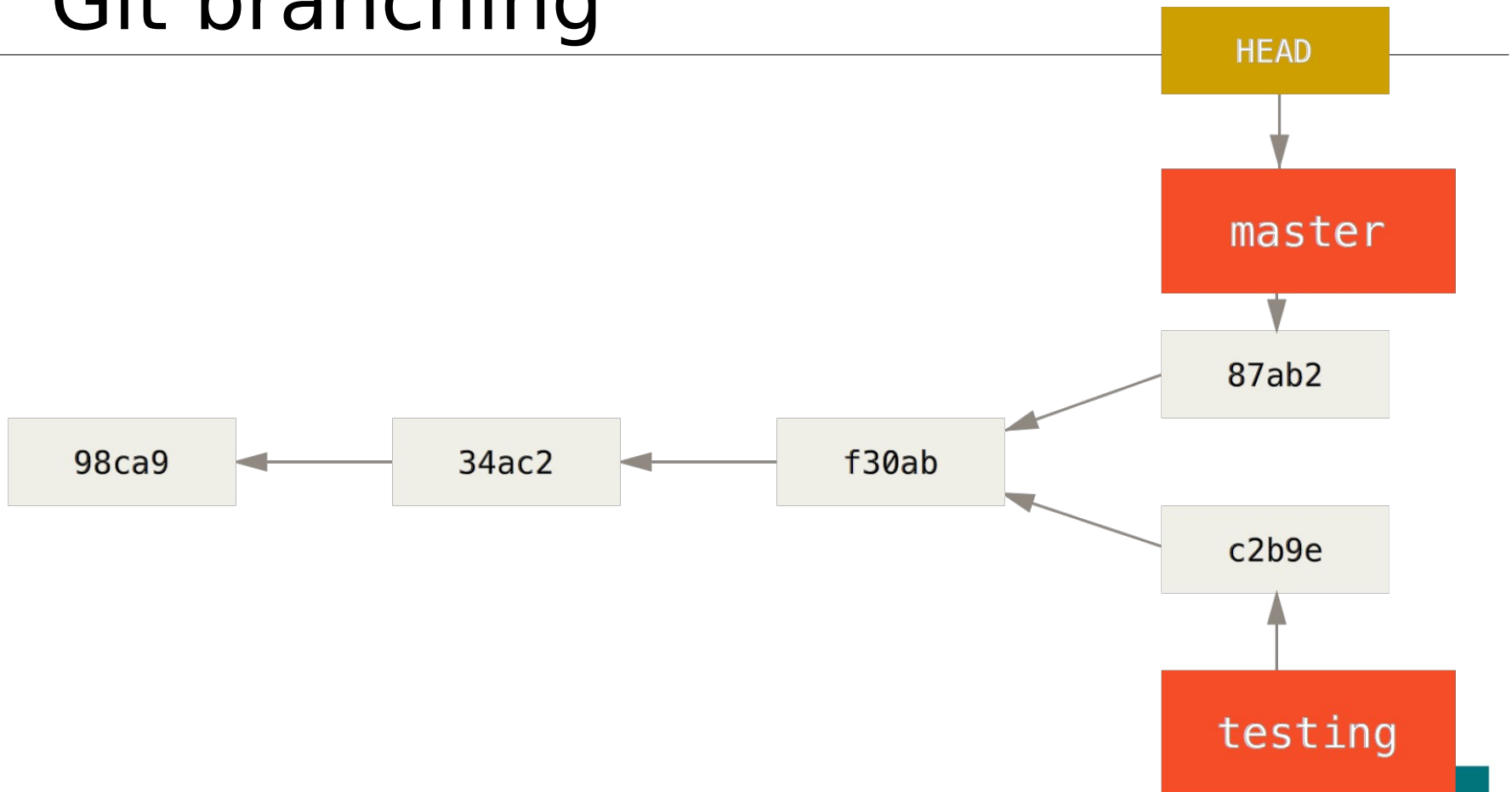
Official site  
<http://git-scm.com>





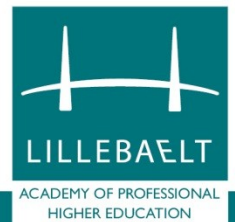
# Git branching

Branching happens  
all the time





Libsensor project  
<http://github.com/moozer/libsensortag>



# My laptop

~/git/libsortag

CounterNoob-development  
Keniwa-development  
\* development  
list  
malikbonnicksen-development  
master  
mort586b-development  
wip-simpleapi  
remotes/origin/CounterNoob-development  
remotes/origin/HEAD -> origin/master  
remotes/origin/Keniwa-development  
remotes/origin/development  
remotes/origin/malikbonnicksen-developm  
remotes/origin/master  
remotes/origin/mort586b-development  
remotes/origin/wip-simpleapi

Origin

~/git/libsortag.git

Origin

git@github.com:moozer/  
libsortag.git

development  
master  
wip-simpleapi



# github.com

The screenshot shows the GitHub profile page for user 'mooser'. The browser address bar shows 'https://github.com/mooser'. The page header includes the GitHub logo, a search bar, and navigation links for 'Explore', 'Features', 'Enterprise', and 'Blog'. There are 'Sign up' and 'Sign in' buttons. The profile section features a cartoon cow avatar, the name 'mooser', and a bio 'mooser'. It also shows a link to 'http://moozing.wordpress.com' and the date 'Joined on May 25, 2011'. Below this are statistics: 15 Followers, 5 Starred, and 10 Following. The main content area has three tabs: 'Contributions', 'Repositories', and 'Public activity', with a 'Follow' button. The 'Popular repositories' section lists: 'libsensortag' (5 stars), 'wxListCtrlDb' (2 stars), 'CamProxy' (1 star), 'skemapack' (1 star), and 'TT\_Asus\_RT-N16\_and\_Open...' (1 star). The 'Repositories contributed to' section lists: 'mxhero/puppet-dovecot' (6 stars), 'spuder/puppet-gitlab' (34 stars), 'fgrehm/vagrant-lxc' (784 stars), and 'sbadia/puppet-gitlab' (135 stars). The 'Public contributions' section shows a calendar grid with green squares indicating activity from April to September. A legend at the bottom indicates 'Summary of Pull Requests, issues opened, and commits. Learn more.' and a color scale from 'Less' to 'More'.



# Hands-on

Install git and play with it!

start here:

<https://github.com/moozer/git-demo>

# Credits & licences



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- EAL logo might be an issue, please check before you use it

