Git

(or version control in general..)

invited talk in the scope of the hochleistungslabor's meeting series:
very intelligent researchers giving insights
into national and international approaches.

Rostock, 2015-04-08
Martin Scharm

"FINAL".doc







 $^{ ilde{C}}$ FINAL.doc!

FINAL_rev.2.doc

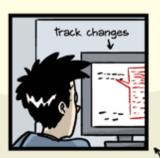






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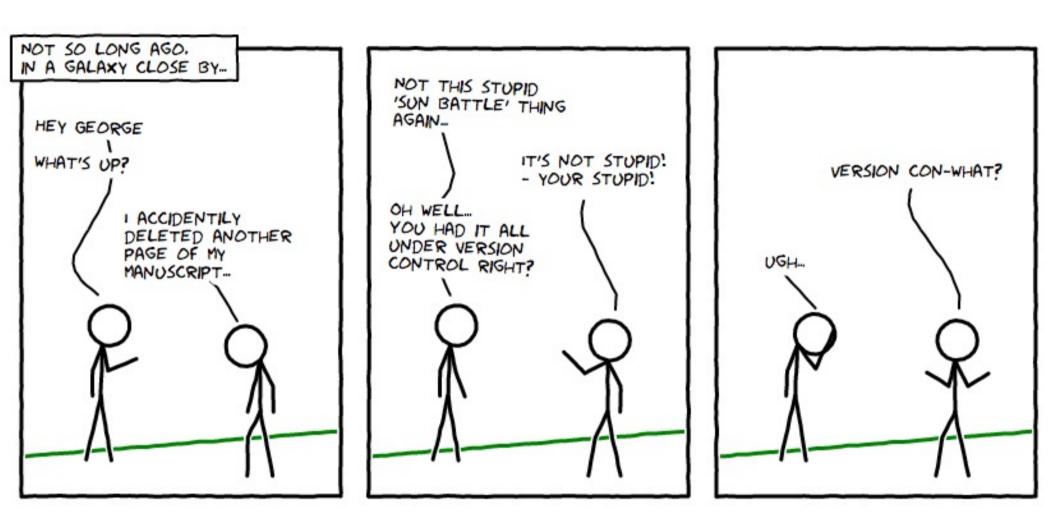
JORGE CHAM @ 2012





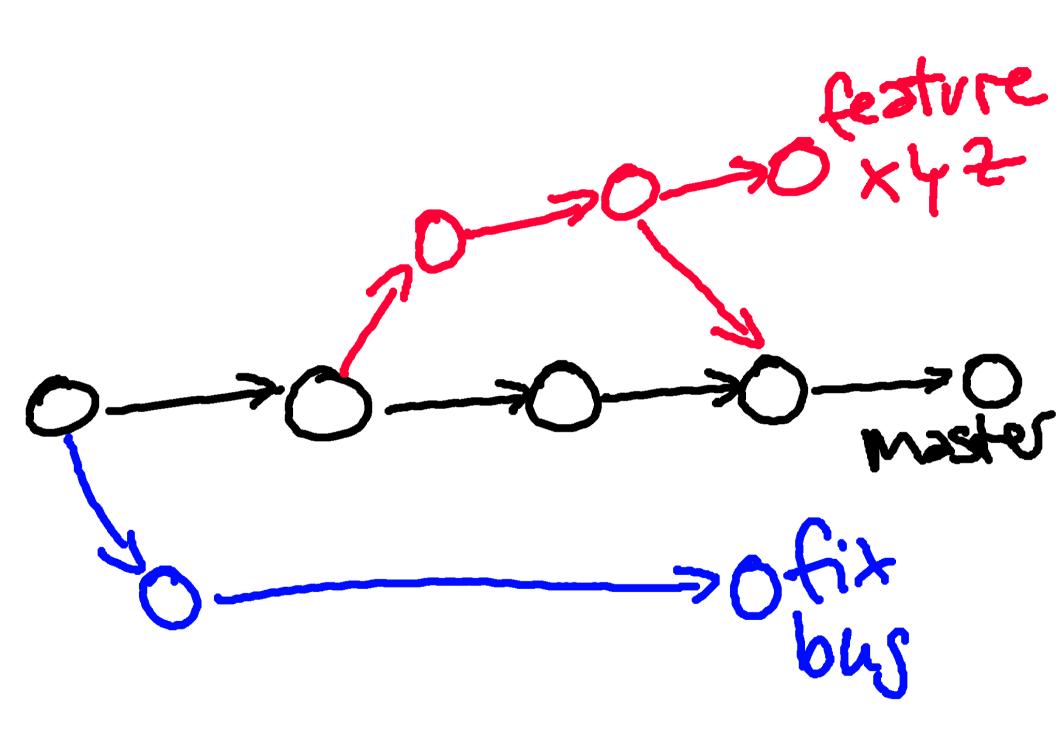
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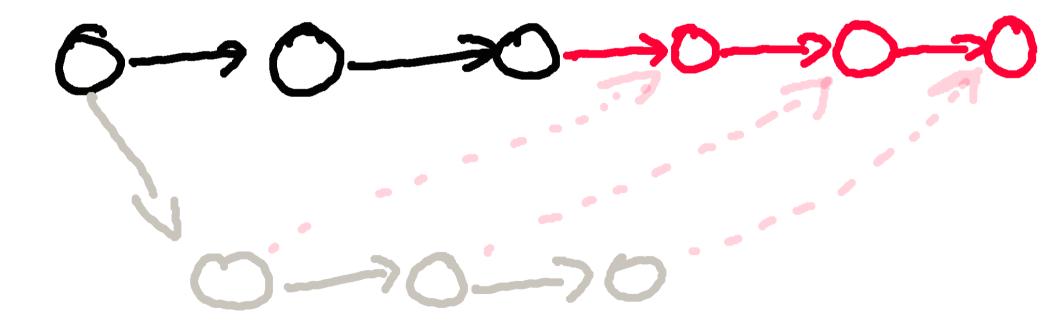
time

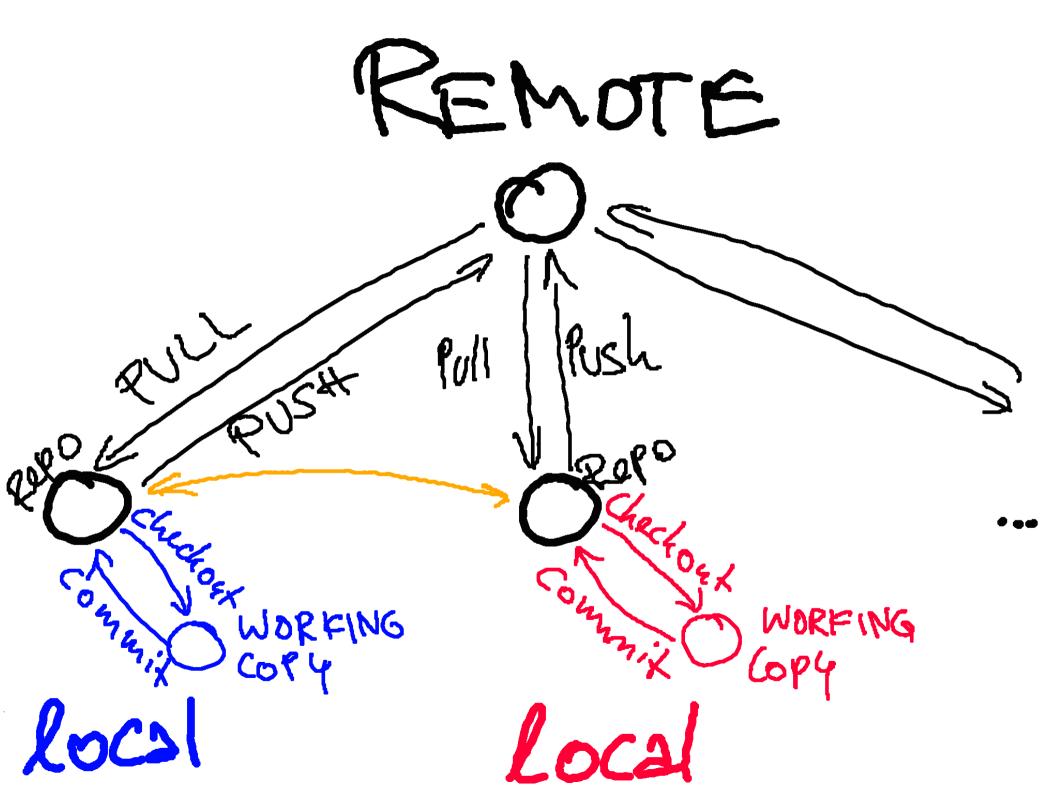


MERGE

0-30-30-30

REBASE





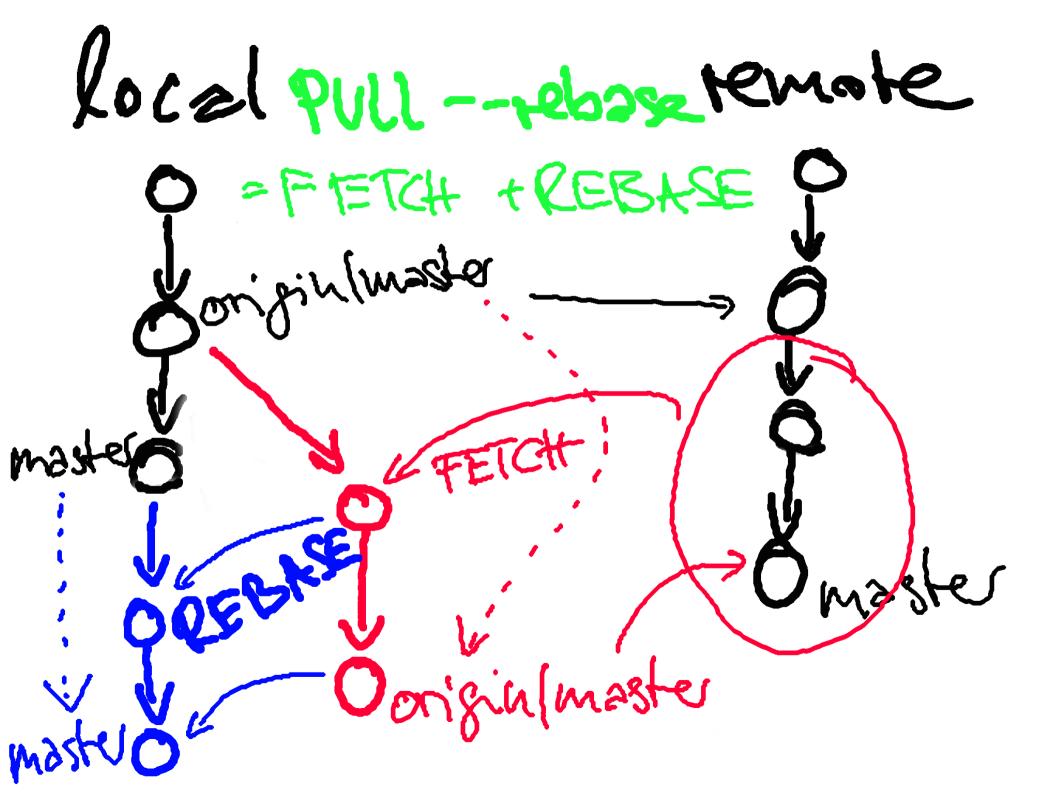
Local lamole master

Local remote DW3F.F. semply gion

Kocal remore

Push = send changes Pull = get changes (= Fetch + Masse) (-- relosse -> REBASE)

Kocal remote FETCH + MERGEP sonigin[master



Let's also look at...

- Commit messages/hashes/etc
- What are branches for?
- What are tags?
- Debug something + cherrypick
- Undoing things in git
- Change a commit message
- Git diff
- Git log
- Git stash

- Github, bitbucket, etc
- Sync multiple machines/backup
- Which files (not) to version-control!? → .gitignore
- Git modules
- Git aliases
- Relative pathes (^ and ~)
- Anything you want to see?

Common Problems

- Detached head
- Merge conflicts + strategies
- Cannot pull/push
- Collaboration? Common remote? SSH-Key/certificates etc...
- Git in cloud (dropbox/unison and stuff)
- Anything you experienced?

	COMMENT	DATE
Q	CREATED MAIN LOOP & TIMING CONTROL	14 HOURS AGO
Ι¢	ENABLED CONFIG FILE PARSING	9 HOURS AGO
Ιφ	MISC BUGFIXES	5 HOURS AGO
φ	CODE ADDITIONS/EDITS	4 HOURS AGO
Q_	MORE CODE	4 HOURS AGO
ΙÌÒ	HERE HAVE CODE	4 HOURS AGO
Ιþ	ARAAAAA	3 HOURS AGO
Ιφ	ADKFJ5LKDFJ5DKLFJ	3 HOURS AGO
Ι¢	MY HANDS ARE TYPING WORDS	2 HOURS AGO
þ	HAAAAAAAANDS	2 HOURS AGO

AS A PROJECT DRAGS ON, MY GIT COMMIT MESSAGES GET LESS AND LESS INFORMATIVE.