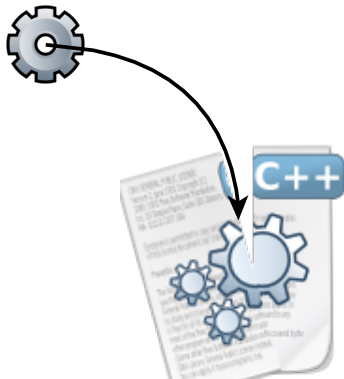


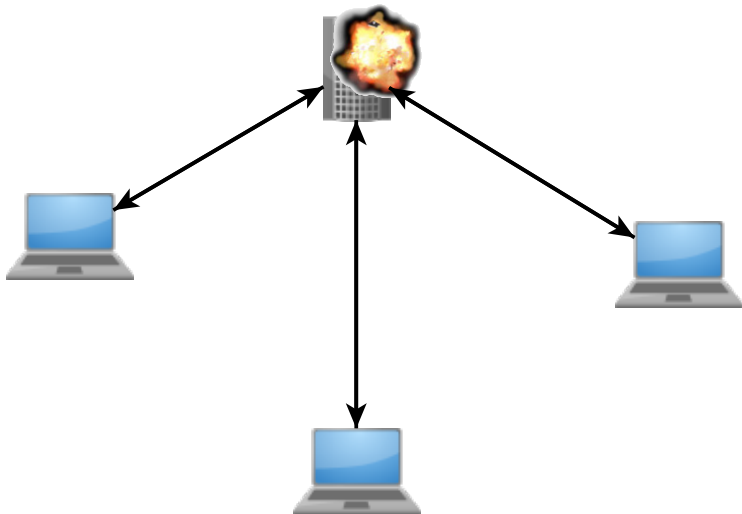
Christian Stritzke



Why git?

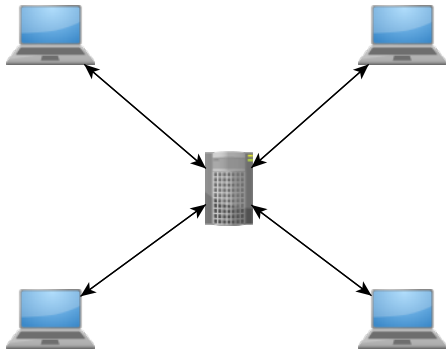


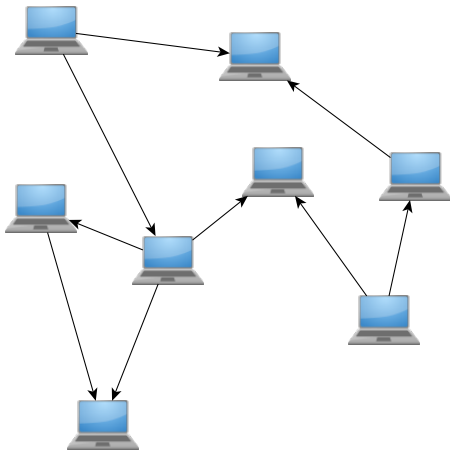
Why git?

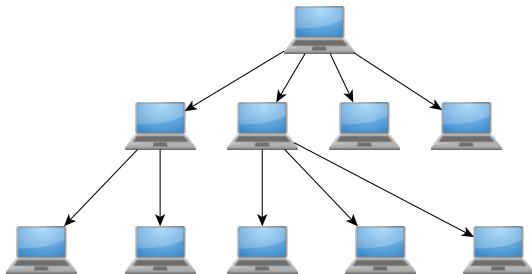


Why git?

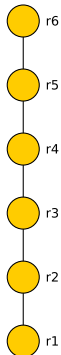




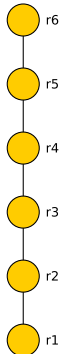




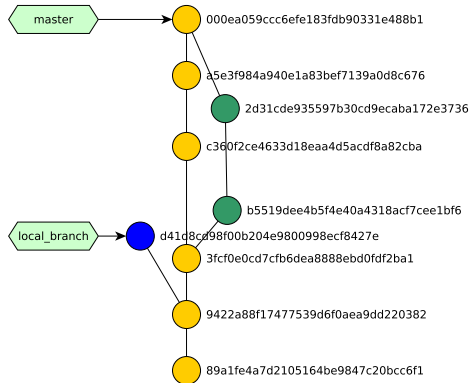
SVN log



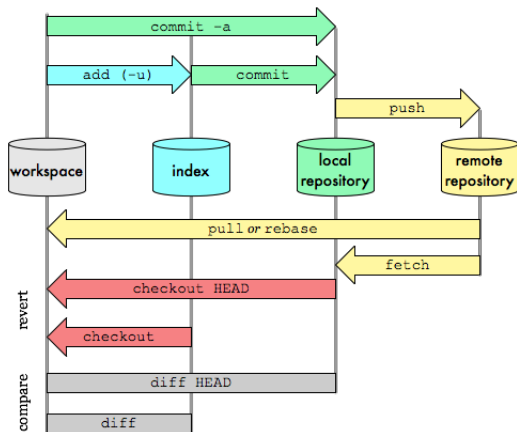
SVN log



Git log



Some Basics



Initialize empty git repository:

```
git init
```

Clone a git repository:

```
git clone https://github.com/piotr152/git-  
tutorial.git
```

Set up name and E-Mail:

```
git config --global user.name "Your_Name_Comes  
_Here"  
git config --global user.email you@yourdomain.  
example.com
```

Add files to index:

```
git add <list of files>
```

Check your index:

```
git status
```

Perform the commit:

```
git commit -m "commit_message" [--amend]
```

Check the history:

```
gitk [--all]
```

Create a branch:

```
git branch <branch_name>
```

Checkout a branch:

```
git checkout <branch_name>
```

Merge a branch:

```
git merge <branch_name>
```

Update your repository:

```
git fetch origin <branch_name>
```

Update your working copy:

```
git merge origin/<branch_name>
```

Do both with one command:

```
git pull
```

I screwed something up!

What now?



Revert a single file:

```
git checkout <filename>
```

Revert your complete workspace:

```
git reset --hard HEAD
```

Revert to a previous commit:

```
git reset --hard HEAD~<commits_from_here>
```

Get rid of untracked files:

```
git clean -df
```

Pull a git repo from an SVN repi:

```
git svn clone
```

Update your local copy:

```
git svn rebase
```

Commit your local commits to the SVN server:

```
git svn dcommit
```


Linus Torvalds on git: <http://youtu.be/4XpnKHJAok8>

Documentation, Tutorials, (incomplete) List of GUIs: git-scm.com

Tortoise git: <http://code.google.com/p/tortoisegit/>

SmartGit: <http://www.syntevo.com/smartgit>