

<http://goo.gl/qH1au>

Bloggning like a ~~boss~~ programmer

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Barcamp Angkor 2013

What this Talk is About

System Development

Version Control Systems

Git

Dropbox

Github

Octopress

Github-pages

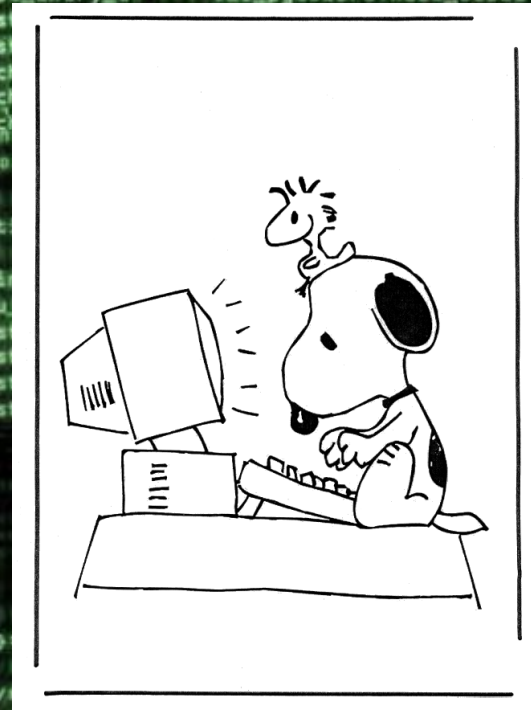
Jekyll

System Development

- Analyzing
- Designing
- Programming ←
- Testing
- Documenting
- Deploying
- Maintaining
- ...

Programming

- Writing code



Programming (what we actually do)

- Writing code
- Reading code
- Testing
- Refactoring
- Bugfixing
- Googling/Stackoverflowing
- ...

Challenge 1

You've written a lot of code on your computer and the computer gets stolen or breaks down.

Backup

- Local backup
- Remote backup

Challenge 2a

1. You release version 1.0
2. You make 10 changes
3. You release version 1.1
4. You find a bug in version 1.1 that was not in version 1.0

Challenge 2b

You work in a team and two programmers need to make changes to the same file.

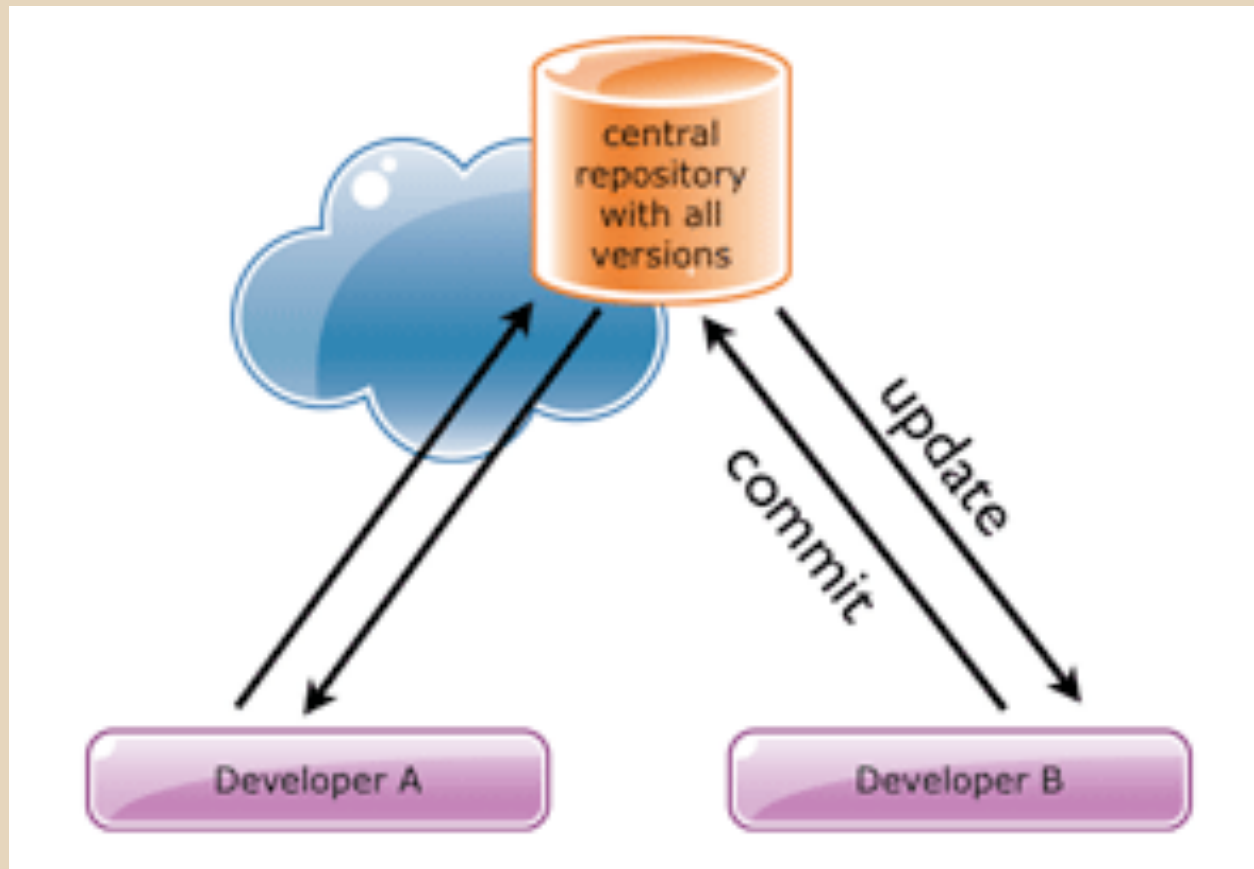
Version Control System

- Subversion
- Git
- Mercurial

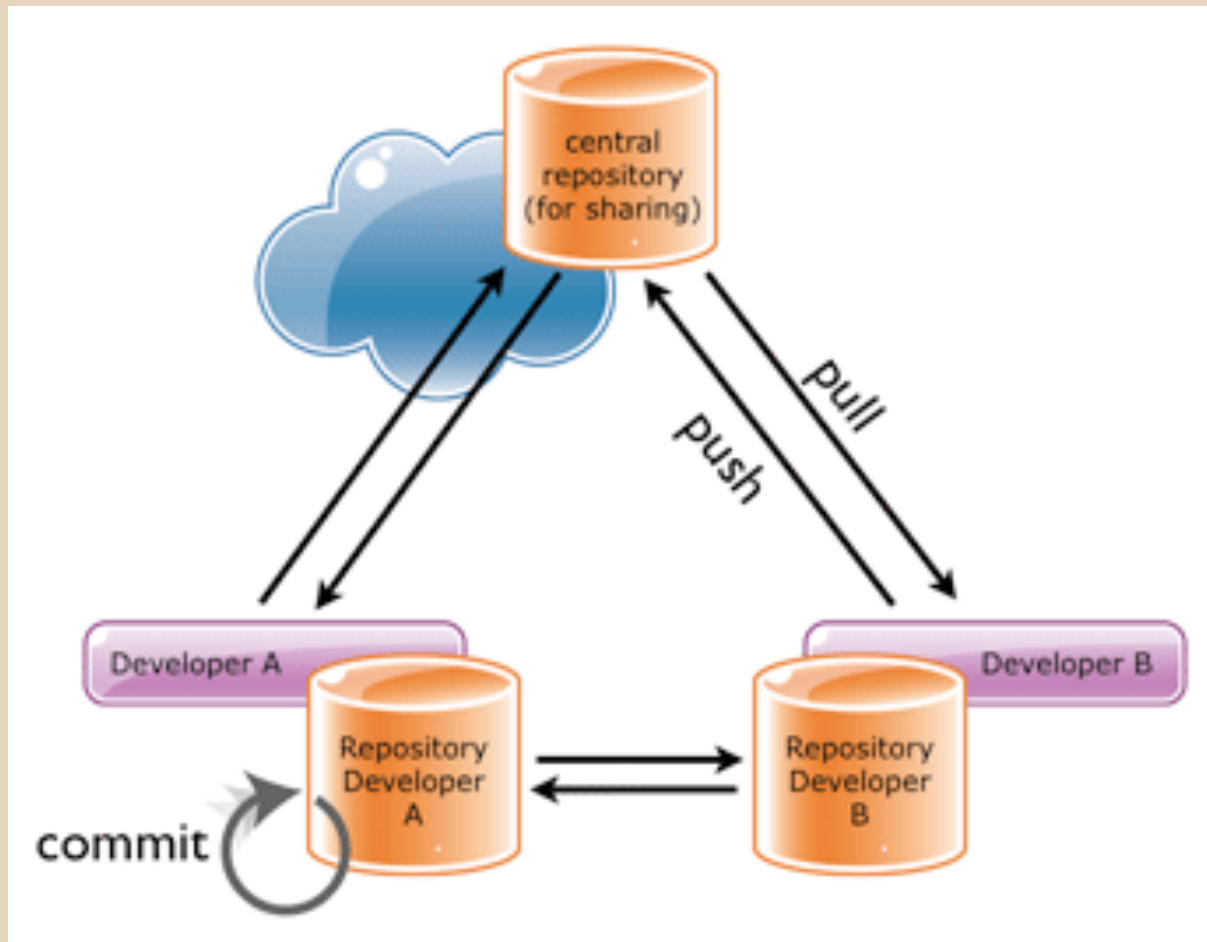
Version Control System

Demo

A Closer Look at Subversion



A Closer Look at Git



Challenge 3

Your friend has created an app. You use the app. You find a bug.

Your friend does not have time to fix it.

Github (www.github.com)

"Facebook for programmers"

← → ↻ [GitHub, Inc. \[US\]](#) <https://github.com/nadam>

Search or type a command [Explore](#) [Gist](#) [Blog](#) [Help](#)

Adam Nybäck
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Anyro
 Stockholm
 adam@anyro.se
 <http://anyro.se>
 Joined on Mar 24, 2010

19 followers **17** starred **8** following

Organizations

Contributions [Repositories](#) [Public Activity](#) [Edit Your Profile](#)

Popular repositories

- nfc-reader** 56 ★
Simple NFC Reader for Android
- gyro-2d-visualizer** 7 ★
Simple Android project using the gyroscope
- compatibility-sms-manager** 3 ★
Android library project for sending sms on a...
- sthlmtraveling** 2 ★
STHLM Traveling helps you plan your jourm...
- tagtider** 2 ★
Android client to tagtider.net

Repositories contributed to

- tommienu/InBrowser** 2 ★

Your Contributions

Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb

M
W
F

Summary of Pull Requests, issues opened and commits Less More

13 Total Feb 22 2012 - Feb 22 2013	2 days September 13 - September 14	0 days Rock - Hard Place
Year of Contributions	Longest Streak	Current Streak

Github Features

- Git
- Share projects (open source)
- Issue tracking
- Forking projects
- Pull requests
- Following users
- Star (like) projects
- Private projects (paid service)
- ...

Challenge 4

How to share ideas (not code)?

How to create a basic website for yourself or your project?

Github-pages

<http://pages.github.com>

- Free hosting
 - For yourself
 - For your organization
 - For your projects on Github
- Publish pages and blog posts using Git
- Use the github domain name or your own

Back to the early 90's?

- Static webpages
- No database
- There must be some challenges here, right?

Challenge 5

What about headers/footers that should be on all pages?

What if you change the header/footer? Update all pages?

Jekyll

Blog-enable static site generator.

Write pages and blog posts using markdown syntax or html. Or mix.

Challenge 6

Changing one small thing in the header/footer will update all pages. Need to push all pages to the server again?

Jekyll Built into Github

Just push a single file to Github and all files are updated automatically.

Challenge 7

What about comments?

Disqus

Comments embedded in your website but hosted on another server.

Discus

Demo

Challenge 7

Too complicated.

Please help me get started.

OCTOPRESS

A blogging framework for hackers.



"To start blogging with Jekyll, you have to write your own HTML templates, CSS, Javascripts and set up your configuration. But with Octopress All of that is already taken care of. Simply clone or fork Octopress, install dependencies and the theme, and you're set."

- Brandon Mathis

Challenge 8

I don't want to have my website "open sourced" on Github.

Private hosting

- Your own server for hosting
- Dropbox as Git server
 - <http://stackoverflow.com/questions/1960799/using-gitdropbox-together-effectively>

How to Setup Octopress (public)

1. Fork github.com/imathis/octopress
2. Clone your fork
3. Customize
4. Push to your own fork
5. Pull updates from github.com/imathis/octopress

How to Setup Octopress (private)

1. Clone `github.com/imathis/octopress`
2. Customize
3. Push to your own repo, e.g. on Dropbox
4. Pull updates from `github.com/imathis/octopress`

Questions?



Bonus slides

Some things I forgot to mention during the session...

Why blogging like this?

- Convenient to use the tools you're already familiar with such as your favorite editor.
- No security issue with the database because there is no database.
- Easy to move the site from one machine to another. Just copy the files.
- 100% control of all the changes made with line by line history.
- Free

Future of Octopress

It seems like Octopress is not very actively developed at the moment:

- Latest blog post was written in 2011
- 61 open pull requests
- 119 open issues