Introduction

Bazaar: Distributed Version Control

The End

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Introduction
  Who am I?

Bazaar: Distributed Version Control
  5-minute guide to using Bazaar
  What is distributed version control?
  Why is this so great?
  Why Bazaar?

The End
  Questions?
Who am I?

Or, “why should you listen to me?”
Who am I?

Or, “why should you listen to me?”

I work on ...

- Launchpad — https://launchpad.net/
- Bazaar — http://bazaar-vcs.org/
- Twisted — http://twistedmatrix.com/
Bazaar: Distributed Version Control
Versioning a new project from scratch

$ bzr init new-project
$ cd new-project
$ vim foo.py
$ bzr add
  added foo.py
$ bzr commit -m "Start writing foo.py"
Sharing your work

$ bzr push sftp://example.com/~/public_html/new-project
Sharing your work

$ bzr push
Making a branch

$ bzr branch http://example.com/~andrew/new-project
Making a branch

$ bzr branch http://example.com/~andrew/new-project
$ cd new-project
$ vim foo.py
$ bzr commit
...
What is distributed version control?

- No central repository required to collaborate
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- That's it, really
What is distributed version control?

“But I like having a common trunk.”
What is distributed version control?

“But I *like* having a common trunk.”

That’s ok. Bazaar doesn’t mind:

$ bzr checkout sftp://host/code/super-project
$ cd super-project
$ vim super-logic-module.py
...  
$ bzr commit
Why is this so great?

Branches.

Bazaar makes it very easy for anyone to branch, and is very good at merging branches. This makes policies like “one branch per bug fix/feature” as painless as possible. See my OSDC talk last year for why this sort of policy is a good thing ;)

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Work offline.
Why is this so great?

**Work offline.** You get full history locally, on your laptop. You can commit when on a train, and merge later. You can do `bzc log` `bzc annotate`, etc.
Merging is easy

$ bzr merge url://to/another/branch
...resolve conflicts, if any ...
$ bzr commit
Why Bazaar?

- it’s written in Python
- it’s easy to use
- very active development community
- pretty fast, and getting faster
Why Bazaar?

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- `bzr uncommit`
- `bzr shelve` (part of the `bzrtools` plugin)
- `bzr viz` (part of the `bzr-gtk` plugin)
- SVN plugin: `bzr branch http://svn...`
Questions?