

Bazaar

Distributed Version Control

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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

```
$ bazaar init new-project
$ cd new-project
$ vim foo.py
$ bazaar add
added foo.py
$ bazaar commit -m "Start writing foo.py"
```



Sharing your work

```
$ bazaar push sftp://example.com/~public_html/new-project
```



Sharing your work

```
$ bazaar push
```



Making a branch

```
$ bazaar branch http://example.com/~andrew/new-project
```



Making a branch

```
$ bazaar branch http://example.com/~andrew/new-project
$ cd new-project
$ vim foo.py
$ bazaar 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?

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What is distributed version control?

“But I *like* having a common trunk.”

That's ok. Bazaar doesn't mind:

```
$ bazaar checkout sftp://host/code/super-project
$ cd super-project
$ vim super-logic-module.py
...
$ bazaar commit
```



Why is this so great?



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Branches.



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Branches. Bazaar makes it very easy for anyone to branch, and is very good at merging branches.



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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 ;)



Why is this so great?



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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 `bzr log` `bzr 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



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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...`



The End



Questions?

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