



# Bazaar

## Quick Reference Card

## More Information

bzr help

<http://bazaar.canonical.com>

### Initialization

#### New project

```
bzr init myproject
```

#### Existing project

```
cd myproject
bzr init
bzr add .
```

#### New branch

```
bzr branch myproject newproject
```

#### New checkout

```
bzr checkout srcproject myproject
```

#### New "lightweight" checkout

```
bzr checkout --lightweight \
srcproject myproject
```

### Information

#### Working tree status

```
bzr status
```

#### Revision log

```
bzr log
bzr log foo.py
```

#### Working tree changes

```
bzr diff
```

#### foo.py changes

```
bzr diff foo.py
```

#### foo.py changes between revisions 1 and 3

```
bzr diff -r1..3 foo.py
```

#### Missing revisions

```
bzr missing
```

#### Branch information:

```
bzr info
```

#### Contents of foo.py at revision 3

```
bzr cat -r3 foo.py
```

### File Manipulation

#### Add/"version" files

```
bzr add foo.py
bzr add bar/
```

#### Remove/"unversion" files

```
bzr remove --keep foo.py
```

#### Remove and delete files

```
bzr remove --no-backup foo.py
```

## Concepts

<b>Branch:</b>	line of development for a project
<b>Working tree:</b>	version controlled directory
<b>Repository:</b>	store for Bazaar revisions
<b>Revision:</b>	version of the source code committed to the repository
<b>Tag:</b>	named revision
<b>Related branches:</b>	branches having a common ancestor
<b>Merge:</b>	the operation of applying to a branch all the changes introduced by another one

## Supported URL Prefixes

<b>aftp://</b>	Access using active FTP.
<b>bzr://</b>	Fast access using the Bazaar smart server.
<b>bzr+ssh://</b>	Fast access using the Bazaar smart server over SSH.
<b>file://</b>	Access using the standard filesystem (default)
<b>ftp://</b>	Access using passive FTP.
<b>http://</b>	Read-only access of branches exported on the web.
<b>https://</b>	Read-only access of branches exported on the web using SSL.
<b>sftp://</b>	Access using SFTP (most SSH servers provide SFTP).

### Version Control

#### Commit

```
bzr commit foo.py -m "foo"
bzr commit -m "the rest"
```

#### Undo last commit

```
bzr uncommit
```

#### Revert changes

```
bzr revert
```

### Merging

#### Merge two branches

```
cd myproject
bzr merge ../myproject-foo
bzr commit
```

#### Pull changes from myproject

```
cd myproject-foo
bzr pull ../myproject
```

#### Update a checkout

```
bzr update
```

#### Auto-detect resolved conflicts

```
bzr resolve
```

#### Specify resolved conflict

```
bzr resolve foo.py
```

### Publishing

#### Push revisions

```
bzr push ../myproject-fo1
```

#### Push revisions remotely

```
bzr push sftp://host/myproject-fo1
```

#### Email a merge directive

```
bzr send
```

#### Create a merge directive

```
bzr send -o ../base.patch
```

#### Export current revision as a directory

```
bzr export ../myproject-dist/
```

#### Export current revision as an archive

```
bzr export ../myproject-dist.zip
```