



# Bazaar

## Quick Start Guide

## More Information

bzr help

<http://bazaar-vcs.org>

### Initialization

#### New project

```
bzr init myproject
```

#### Existing project

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

#### New branch

```
bzr branch mp myproject
```

#### New checkout

```
bzr checkout mp myproject
```

#### New "lightweight" checkout

```
bzr checkout --lightweight mp \
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 --force foo.py
```

### 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
```

## Concepts

#### Branch:

line of development for a project

#### Working tree:

version controlled directory

#### Repository:

store for Bazaar revisions

#### Revision:

version of the source code committed to the repository

#### Tag:

named revision

**Related branches:** branches having a common ancestor

#### Merge:

the operation of applying to a branch all the changes introduced by another one

## Supported URL Prefixes

#### aftp://

Access using active FTP.

#### bzr://

Fast access using the Bazaar smart server.

#### bzr+ssh://

Fast access using the Bazaar smart server over SSH.

#### file://

Access using the standard filesystem (default)

#### ftp://

Access using passive FTP.

#### http://

Read-only access of branches exported on the web.

#### https://

Read-only access of branches exported on the web using SSL.

#### sftp://

Access using SFTP (most SSH servers provide SFTP).

### Publishing

#### Push revisions

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

#### Push revisions remotely

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

#### Create a revision bundle

```
bzr bundle ../myproject-base \
--output ../base.patch
```

#### Export current revision as a directory

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

#### Export current revision as an archive

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