

# Subversion

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- Share files/folders across multiple computers
  - Useful for collaboration and for turning in digital materials
- Files are stored on a central file server

# Subversion

- Not all files/folders are shared
  - Must explicitly declare which ones are to be shared
- Sharing is not immediate
  - You explicitly request when to pull files from the central server and when to push them

# Key Operations: Checkout

## Checkout:

- Performed exactly once on a tree
- Supply URL (including server and folder)
- Prompted for user name and password

# Key Operations: Add

Add:

- When you add a file/folder, you are telling **your computer** that you wish to share this item
- No changes are made (yet) to the central server

# Key Operations: Commit

## Commit:

- Push new or changed files/folders to the central server
- Can fail with “conflicts”: someone else in your group has also checked in something
- See conflict resolution in my svn notes

# Key Operations: Update

Update:

- Pull files/folders from the central server

# Best Practices

- Coordinate your editing with your group members
- Before you start editing, make sure to update first
- Create a new project, add project folder, and then start editing and compiling
- When you are done working for the day, make sure to commit your entire folder

# Questions?