

Using Subversion

Subversion

- 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

Unix Users

- Have a windows user first create a new project and check it in
- `cd` to your group folder
- `svn update`
- `cd` to `project/GccApplicationY/`
- `cp ../../makefile .`
 - Note the `.`
 - Rename `TARGET` line to match `c` file name
 - `svn add makefile`
 - `svn commit`

Questions?