Subversion (svn) Basics

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Project Submission using svn

- Use svn for project and lab assignment submission
- svn is a tool for version control (git is another)
- Keeps a repository of what is under version control at a central location (department server)
- Allows users to make local (aka working) copies of the repository on their computer(s)
- Saves each version a user commits
- Administrator sets up main repository

Getting and Updating a Repo

- Checkout a repository. A local/working copy of a repository is created on a computer system. This links a given folder to the address of the repository.
 - -svn checkout address folder
- Update a local/working copy. The contents of the repository are copied to the local folder. This updates the local copy.

-svn update

Committing Changes

- *Commit* a change. Copy a local change to repository. This "commits a change" to the repository. This is a new version of the item under version control. It is numbered and the old version is saved. Need to commit:
 - Modified files
 - Added or removed files or folders
 - svn commit *file* -m "*Commit note"*

Other Essential Commands

- svn add add a file to versioning system.
 A commit must be done after the add to commit it to the repository. Done once per file.
- svn delete delete a file, followed by a commit.
- svn log get all the commit messages.
 Use this to roll back to an earlier version.

Check Out Working Copy



Add & Commit



Commit a Change



Multiple Working Copies



Commit a Change



Update wasp/hornet



Web Interface



Rules to Live By (svn)

- Always update before you start working
- Always commit after any change

- Commit often after a major (or minor) change:
 - Add a method
 - Fix a bug
 - Change a method