

# Subversion

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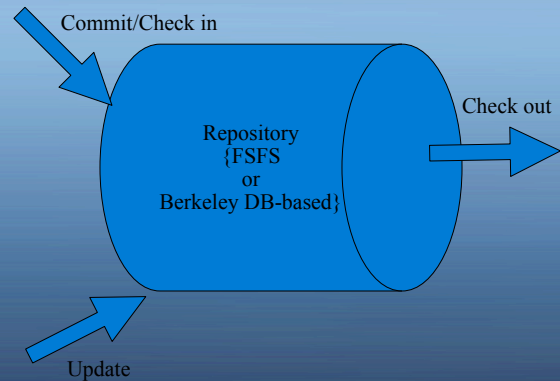


## Road Map

- Introduction to Subversion
- Repository
- SVN basic work cycle
- Our setup
- Demo

## Introduction

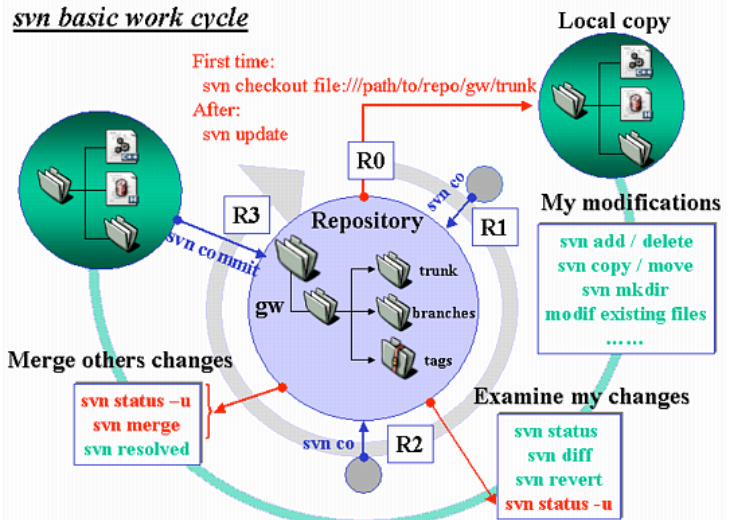
- Subversion is a source code *version control system (VCS)*
- VCS is management of multiple revision of the same unit of information
- Let several developers to work on the same project without overwriting each other's changes, and keeps track of previous version of file



## Repo

- A repo is identified with a **base URL**, ex: <https://myWorkSpace.edu/svn/project1>
- Every repo is associated with some set of **credentials**, such as Username/Password.
- State of a repo is given by a revision number, ex: r44093.
- State changes if and only if files/directories/resource inside this repo has changed.
- SVN preserve files/directory/resource **permission**

### *svn basic work cycle*



## Our setup

- Base of the repo is accessible via IP 172.19.0.32
- If your c# is ex: C03021468, then URL of the repo is <https://172.19.0.32/svn/C03021468>
- Credentials:  
Username = C03021468 ;  
Password = 1468 (last 4 digits)
- Repo is accessible only from CS dept. network. If you need to access from outside you need to login to "lee".

## Demo

- svn co
  - svn ci
  - svn stat
  - svn diff
  - svn add
  - svn delete
  - ? M D !
- ssh [lee@cs.miami.edu](mailto:lee@cs.miami.edu)
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