



Subversion(SVN) Configuration and Usage

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Subversion(SVN)

1. Subversion is a version control system
2. which allows you to keep old versions of files and directories (usually source code)
3. keep a log of who, when, and why changes occurred, etc., like Concurrent Versions System(CVS), Revision Control System(RCS) or Source Code Control System(SCCS).
4. Subversion keeps a single copy of the master sources. This copy is called the source "repository";
5. It contains all the information to permit extracting previous versions of those files at any time.

SVN Configuration on local machine

1. Install subversion(SVN). In Ubuntu
\$sudo apt-get install subversion
2. Create local SVN working copy e.g. **svn_wc/cr21_svnid** under home directory
 - a. Create a directory **svn_wc** under home directory
\$mkdir svn_wc
 - b. Change directory to **svn_wc**
\$cd svn_wc
3. Checkout (**co**) your remote SVN working copy (e.g. **cr21_svnid**) into local SVN working copy **svn_wc/cr21_svnid**
(Assumption: svn username: **cr21_svnid**, svn password: **p@ssw0rd**)
\$svn co svn://172.16.5.37/home/lnd_repo/CR21/cr21_svnid
 - a. First prompt is for system password. Enter system password e.g. **: p@ssw0rd**
 - b. Second prompt is for svn username. Enter svn username e.g. **: cr21_svnid**
 - c. Third prompt is for svn password. Enter svn password e.g. **: p@ssw0rd**

SVN Usage on local machine

1. Print the status of working copy files and directories.
`$cd cr21_svnid`
`$svn status`
or
`$svn st`
2. Add files and directories under version control, scheduling them for addition to repository. They will be added in next commit.
`$svn add filename`
3. Send changes from your working copy to the repository.
`$svn commit -m "added file"`
or
`$svn ci -m "added file"`
4. Bring changes from the repository into the working copy.
`$svn update`
or
`$svn up`

SVN Usage on local machine contd..

5. List directory entries in the repository.

\$svn list

6. Explore more SVN commands

\$svn help

Large enough to Deliver, *Small enough to Care*



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Bangalore



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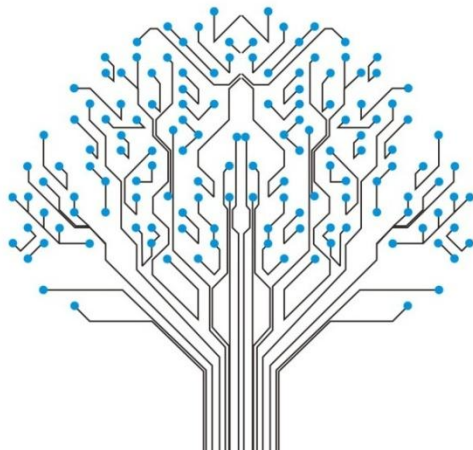
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