

# How to Tag and Branch a Subversion Repository

Lets assume a project committer wants to tag or branch a project located in a remote Subversion repository. Assuming this repository has been laid out according to the recommendations in [How to Organize a Subversion Repository](#), the following command could be used to tag the trunk of `project1` located within the `FOO` repository:

```
svn copy \  
    svn+ssh://svn.FOO.codehaus.org/home/projects/FOO/scm/project1/trunk \  
  
svn+ssh://svn.FOO.codehaus.org/home/projects/FOO/scm/project1/tags/tag-name
```

Likewise, a branch can be made in the same manner:

```
svn copy \  
    svn+ssh://svn.FOO.codehaus.org/home/projects/FOO/scm/project1/trunk \  
  
svn+ssh://svn.FOO.codehaus.org/home/projects/FOO/scm/project1/branches/branch-name
```

After creating a branch, it is likely you will want to switch to that branch in your current working copy of the project. This can be done with the following command:

```
svn switch \  
  
svn+ssh://svn.FOO.codehaus.org/home/projects/FOO/scm/project1/branches/branch-name
```

Finally, there is no concept of a tag or branch within Subversion. They are both simply inexpensive copies made within the repository. It is up to the committers to honor that items in the `tags` directory are not modified directly. This can be enforced using hooks in the current version of Subversion if desired. In the future, a better security mechanism will be developed by the Subversion team.