git(hub) vs. SVN
Introduction

git is a distributed version control system. github is an online service that provides repository hosting and a suite of source code management tools for projects that use git.

No version control:

✖ Revision tracking: Arcane folder numbering schemes

✖ Code sharing: Email, scp, snail mail printout

✖ Collaborative development tools: Email/Gchat

✖ Bug tracking: Email, sticky notes

✖ Repository backup: None, probably

SVN version control:

✔– Revision tracking: Snapshots of code numbered sequentially

✖ Code sharing: Email, scp, ...

✖ Collaborative development tools: email/Gchat

✔ Bug tracking: Trac tickets

✖ Repository backup: Do it yourself

git version control with github:

✔ Revision tracking: changesets numbered, can be exchanged between repositories, picked and chosen individually

✔ Code sharing: git push/pull (pull requests)

✔ Collaborative development tools: github code commenting system

✔ Bug tracking: github Issues

✔ Repository backup: automatic with github

In SVN, there is one repository and users have "working copies" between which there is no way to share patches. With git, everything is a repository and code is easily shared between peers. Individual commits can be pushed and pulled from one repository to another.