git svn

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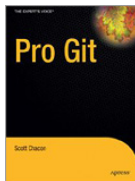
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Git

Figure: http://git-scm.com/book/en/
Git-and-Other-Systems-Git-and-Subversion

git-svn

```
man 1 git-svn
```

git svn

Cloning

```
git svn clone -s svn://path/to/repo
git svn clone -T trunk -t tags -b branches
svn://path/to/repo
```

It's all refs

- Branches are imported as *remote refs*
- Tags are imported *remote refs*
    - Subversion tags are "branches by contract"

Getting around

- `git svn info`
- `git svn show-ignore > .git/info/exclude`
- `git svn log` (local!)

Committing

- `git svn dcommit -n`
- `git svn dcommit`
- All your commits are now rebased!

Creating branches

```
git svn branch XXXX-mybranch
```

Careful with multiple branches

- `git log --grep='^git-svn-id:' --first-parent -1`
- `git svn dcommit -n`

Getting around in style

```
git log --oneline --decorate trunk..XXXX-mybranch
```

Merging

Merging Subversion branches:

```
git merge --no-ff --stat somebranch
```

Merging Git branches:

- Only fast-forward merges
- Rebase

Staying up-to-date

```
git svn fetch
```

Remote-tracking branches

- Remember you can remote-track any ref

Customizing complicated trunk/branches/tags

```
.git/config:
    [svn-remote "svn"]
        url = svn://path/to/repo
        fetch = trunk:refs/remotes/trunk
        branches = branches/*:refs/remotes/*
        # tags = tags/*:refs/remotes/tags/*
        tags = release/tags/{prod,stage}/*\
                :refs/remotes/tags/*
        tags = release/{prod,stage,qa}\
                :refs/remotes/tags/release/*
```