FAQ - new svn repository and project

List of Frequently Asked Questions

Where do I find a quickstart guide for svn?

For quickstart of svn you may refer to:

```
http://svnbook.red-bean.com/
nightly/de/svn-book.html\#svn.intro.quickstart
```

How do I set up a new svn repository?

You may log on as root and choose an appropriate location for you repository:

```
su
mkdir /var/svn
```

If you assign the sticky-bit (t), files can only be deleted by the owner:

```
chmod +t /var/svn
```

Log off as root:

```
exit
```

To setup the new repository use the `svnadmin` command:

```
svnadmin create /var/svn/repos ; ls /var/svn/repos
```

How do I start a new svn project?

Start with a new folder and generate the basic directory structure of your svn project:

```
mkdir ~/work
mkdir ~/work/myproject
mkdir ~/work/myproject/trunk
mkdir ~/work/myproject/tags
mkdir ~/work/myproject/branches
```

Place all files you want to assign to the new project into `trunk`.

How do I import my new project into the repository?

Use `svn import` and assign a brief description (type in one line):

```
svn import ~/work/myproject file:///var/svn/repos/myproject
   -m "initial import myproject"
```

How do I list the content of my repository?

Use `svn list` to browse your repository, e.g.:

```
svn list file:///var/svn/repos
svn list file:///var/svn/repos/myproject
svn list file:///var/svn/repos/myproject/trunk
```

How do I create a tagged version?

You create a tagged version from trunk, e.g.:

```
svn copy file:///var/svn/repos/myproject/trunk
   file:///var/svn/repos/myproject/tags/Version-1.00
   -m "tagged version 1.0"
```

How do I initialize a new user branch?

You can initialize a new user branch directly from trunk or from a tagged version, e.g.:

```
svn copy file:///var/svn/repos/myproject/trunk
   file:///var/svn/repos/myproject/branches/anyuser
   -m "first user branch"

svn copy file:///var/svn/repos/myproject/tags/Version-1.00
   file:///var/svn/repos/myproject/branches/anyuser
   -m "first user branch"
```

How do I check out a working copy?

You can check out a working copy from trunk, a user's branch or a tagged version, e.g.

```
svn checkout file:///var/svn/repos/myproject/trunk myproject

svn co file:///var/svn/repos/myproject/branch/anyuser myproject

svn co file:///var/svn/repos/myproject/tags/Version-1.00 myproject_v1.0
```