Git / Svn How To   *@Helios Repository*

1. Install Git or SVN on your OS

Subversion multi OS intructions   https://subversion.apache.org/packages.html
Git multi OS intructions   http://git-scm.com/download

2. Get the ATNoG CA Certificates (http://atnog.av.it.pt/ca)

Debian users,
```
# mkdir -p /usr/share/ca-certificates/atnog
# cd /usr/share/ca-certificates/atnog
# wget http://atnog.av.it.pt/sites/default/files/ca/ATNoG_Class_3_Root.crt
# apt-get install --reinstall ca-certificates
# dpkg-reconfigure ca-certificates
```

Non-debian users run,
```
# mkdir -p /usr/share/ca-certificates/atnog
# cd /usr/share/ca-certificates/atnog
# wget http://atnog.av.it.pt/sites/default/files/ca/ATNoG_Class_3_Root.crt
# update-ca-certificates
```

Mac OS users just download CA and install it on keychain
http://atnog.av.it.pt/sites/default/files/ca/ATNoG_Class_3_Root.crt

Windows users can try this command line or follow oficial instructions at windows how to import CA
C:\ certutil -dspublish -f *filename* ATNoG_Class_3_Root.crt

3.1. SVN info
To checkout a repository
```
$ svn co --username <your-username> https://helios.av.it.pt/projects/<project-name>/svn/
```

3.2. GIT info
To move your code(master branch) into the new repository
```
# git remote add origin https://<your-username>@helios.av.it.pt/git/<project-name>
# git push origin master
```

To clone a private repository
```
# git clone https://<your-username>@helios.av.it.pt/git/<project-name>
```

To clone a public repository
(no password needed)
```
# git clone https://user@helios.av.it.pt/git/<project-name>
```

. IMPORTANT NOTES .

We use **Git Smart HTTP** on Helios ... This requires a **git version >= 1.7.0**

i. GNU/LINUX
package manager apt / yum / zypper / other

```
# apt-get install git subversion
# yum install git subversion
```

ii. MS WINDOWS
. MsysGit   http://code.google.com/p/msysgit (git)
. TortoiseSVN   http://tortoisesvn.net/   (subversion)

iii. MAC OS X
. Git-OSX   https://code.google.com/p/git-osx-installer/   (git)
. OpenCollabNet   http://www.open.collab.net/downloads/community/   (subversion)
. Homebrew   http://mxcl.github.com/homebrew   (git + subversion)
. Xcode   https://developer.apple.com/xcode/   (git + subversion)

iv. Automatic login
Git uses cURL http://curl.haxx.se/,
You can tell it to authenticate to the helios machine by adding your login information.
Like this on a .netrc file in your home directory.
machine helios.av.it.pt login aprata password mindyourown

CAUTION:
Especially if your machine is shared, make sure that other users don't have permission to open this file!
Also note that this makes pushing changes a more automatic task, so it gives you less chances to ponder on what you're pushing! =)