

# Subversion

## Install Subversion

```
# install --owner www-data --group www-  
data --mode 0770 -d /opt/svn/tools  
# touch /etc/apache2/svn.conf /etc/apache2/svn.bak  
# chown www-data /etc/apache2/svn.conf /etc/apache2/svn.bak
```

The apache hub site configuration files are preconfigured to support this. Subversion repositories are generated dynamically by the `addrepo` script (installed later) and are included through the `/etc/apache2/svn.conf` file. URLs matching `!~/tools/[^]+/svn($|/)` excluded from being processed by the CMS and are instead directly handled by the Subversion Apache module.

## Test

```
# svnadmin create /opt/svn/tools/test --fs-type fsfs  
# chown -R www-data.www-data /opt/svn/tools/test  
# echo "<Location /tools/test/svn>  
    DAV svn  
    SVNPath /opt/svn/tools/test  
    AuthType Basic  
    AuthBasicProvider ldap  
    AuthName "Test"  
    AuthzLDAPAuthoritative on  
    AuthLDAPGroupAttributeIsDN on  
    AuthLDAPGroupAttribute owner  
    AuthLDAPGroupAttribute member  
    AuthLDAPURL ldap://localhost/ou=users,dc=myhub,dc=org  
    Require ldap-group gid=apps,ou=groups,dc=myhub,dc=org  
</Location>" > /etc/apache2/svn.conf  
# /etc/init.d/apache2 restart
```

Be sure to the `BASEDN` in the above to match that used by your configuration.

Now browse to `"/tools/test/svn"` using an `https` connection and you should get prompted for a username and password, use the `apps` account you created earlier when you installed LDAP. You should see `"svn - Revision 0: /"`.

## SUBVERSION

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Delete test file.

```
# echo "" > /etc/apache2/svn.conf  
# rm -fr /opt/svn/tools/test  
# /etc/init.d/apache2 restart
```