SVN Server

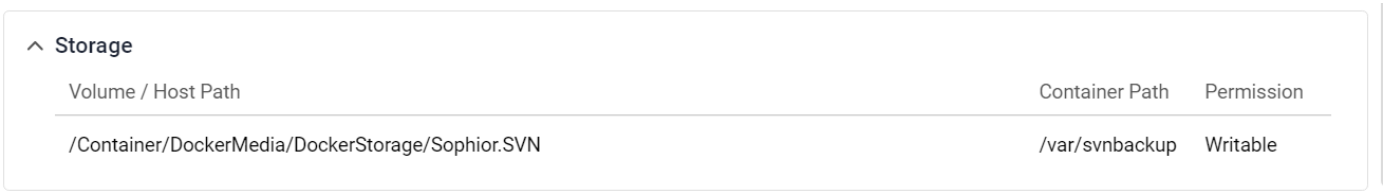
- Export SVN repository
- Migrate configuration after export

Export SVN repository

At first it seems quite forward to do this, but I have ran into the issue of encoding problems. And trying to get a huge (40G) dumpfile into the container.

What did work for me:

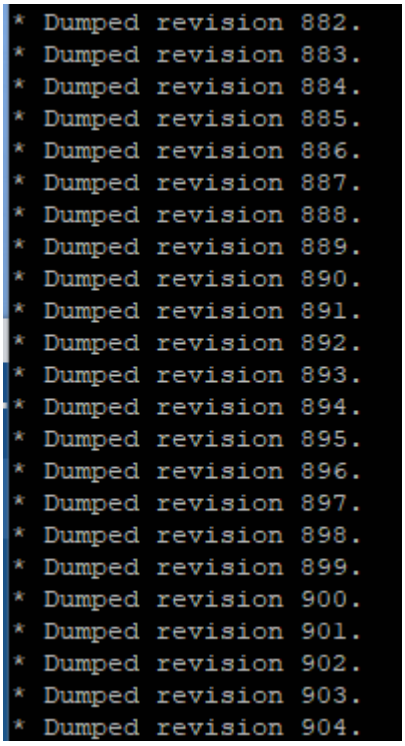
1. Have a bind path in your container, to manage the large file



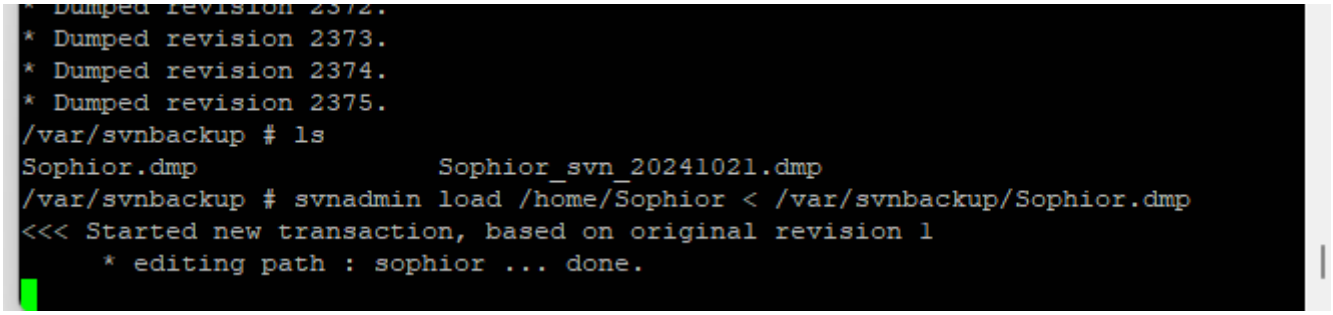
2. Use the container and dump the file into this path

```
svnrdump  dump -r0:HEAD [URL_TO_YOUR_REPO] > Your_dumpfile.dmp
```

This will show the progress as follows:



svnadmin load /path/yourrepo < /path/your/dum.dmp



What didn't work for me:

This is the official documentation : dump your SVN

```
svnadmin dump /path/to/your/old/repo > backup.dump
svnadmin load /path/to/your/new/repo < backup.dump.dmp
```

If you redirect the input to your host, it circumvents the large file in the docker.

```
cd /tmp
docker exec -it edf77623c9207 svnadmin dump /home/svn/YourRepository > YourRepository_svn.dmp
```

But importing it back, an error is produced:

```
' into a number04: Could not convert ' 2
```

Migrate configuration after export

After you have the repository in a dmp file, you don't have your configuration yet.

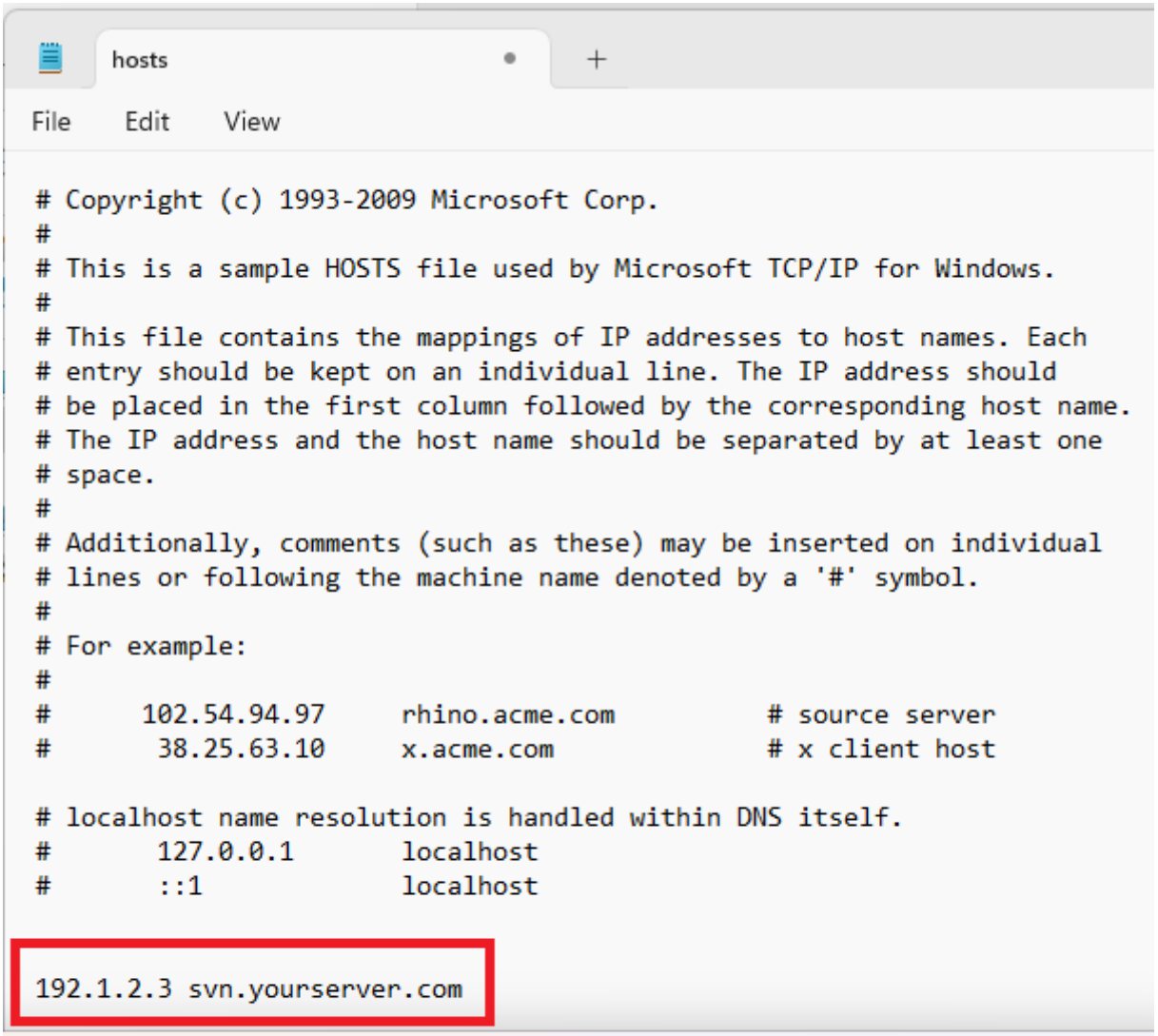
In my case with the docker, I can see which configuration files are required:

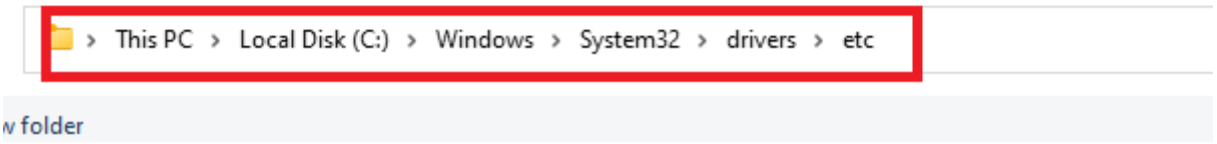
*docker run -d --name svn-server -p 80:80 -p 3690:3690 -v <hostpath>:**/home/svn** -v svn_config:/**etc/subversion** -v svnadmin_config:**/opt/svnadmin/data** elleflorio/svn-server*

In reality, I need to copy the following files over (and use my mapped drive to transfer these files before restarting the container)

```
/opt/svnadmin/data # cp /var/svnbackup/svnadmin/config.ini config.ini
/opt/svnadmin/data # cp /var/svnbackup/svnadmin/config.ini config.tpl.ini
/opt/svnadmin/data # cp /var/svnbackup/svnadmin/config.tpl.ini config.tpl.ini
/opt/svnadmin/data # cp /var/svnbackup/svnadmin/userroleassignments.ini userroleassignments.ini



/var/svnbackup # cp ./subversion/passwd /etc/subversion/passwd
/var/svnbackup # cp ./subversion/subversion-access-control /etc/subversion/subve

/home/svn/YourRepo/conf # cp /var/svnbackup/conf/hooks-env.tmpl hooks-env.tmpl
/home/svn/YourRepo/conf # cp /var/svnbackup/conf/passwd passwd
/home/svn/YourRepo/conf # cp /var/svnbackup/conf/authz authz
/home/svn/YourRepo/conf # cp /var/svnbackup/conf/svnserve.conf svnserve.conf
```

In windows, to switch the clients, you can use your hosts file. So your existing projects just keep working as they always have. (provided you've used the same URL before with another IP)


hosts
File
Edit
View
Copyright (c) 1993-2009 Microsoft Corp.
#
This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
This file contains the mappings of IP addresses to host names. Each
entry should be kept on an individual line. The IP address should
be placed in the first column followed by the corresponding host name.
The IP address and the host name should be separated by at least one
space.
#
Additionally, comments (such as these) may be inserted on individual
lines or following the machine name denoted by a '#' symbol.
#
For example:
#
102.54.94.97   rhino.acme.com   # source server
38.25.63.10   x.acme.com   # x client host
localhost name resolution is handled within DNS itself.
127.0.0.1   localhost
::1   localhost
192.1.2.3 svn.yourserver.com


This PC
Local Disk (C:)
Windows
System32
drivers
etc

v folder