

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

^ Storage		
Volume / Host Path	Container Path	Permission
/Container/DockerMedia/DockerStorage/Sophior.SVN	/var/svnbackup	Writable

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

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

This will show the progress as follows:

```
* Dumped revision 882.
* Dumped revision 883.
* Dumped revision 884.
* Dumped revision 885.
* Dumped revision 886.
* Dumped revision 887.
* Dumped revision 888.
* Dumped revision 889.
* Dumped revision 890.
* Dumped revision 891.
* Dumped revision 892.
* Dumped revision 893.
* Dumped revision 894.
* Dumped revision 895.
* Dumped revision 896.
* Dumped revision 897.
* Dumped revision 898.
* Dumped revision 899.
* Dumped revision 900.
* Dumped revision 901.
* Dumped revision 902.
* Dumped revision 903.
* Dumped revision 904.
```

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

```
* Dumped revision 2372.  
* Dumped revision 2373.  
* Dumped revision 2374.  
* Dumped revision 2375.  
/var/svnbackup # ls  
Sophior.dmp          Sophior_svn_20241021.dmp  
/var/svnbackup # svnadmin load /home/Sophior < /var/svnbackup/Sophior.dmp  
<<< Started new transaction, based on original revision 1  
    * editing path : sophior ... done.
```

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

new folder