## Lab 7: Copy vfiler0 users to a vfiler (registry commands) (and vice-versa)

This lab can be dangerous… don't do this in production without a NetApp support case. The use case is that you can move users between controllers (physical controllers and vfilers, any to any) and the user keeps their password without having to reset it.

1. The procedure below will create a user in vfiler0 named "vfLOCALadmin", then add that user to fas6080a_vfiler1. This is useful since we can take any local user and recreate them in any physical or virtual file and also add their password without having to know their password so there is no disruption in user access after a migration to any vfiler, or to automatically put specific admins in a vfiler.

FAS3170

vfiler0

FAS3170**vfLOCALadmin**

FAS6080A_vFiler1

FAS6080A_vFiler1_vfLOCALadmin
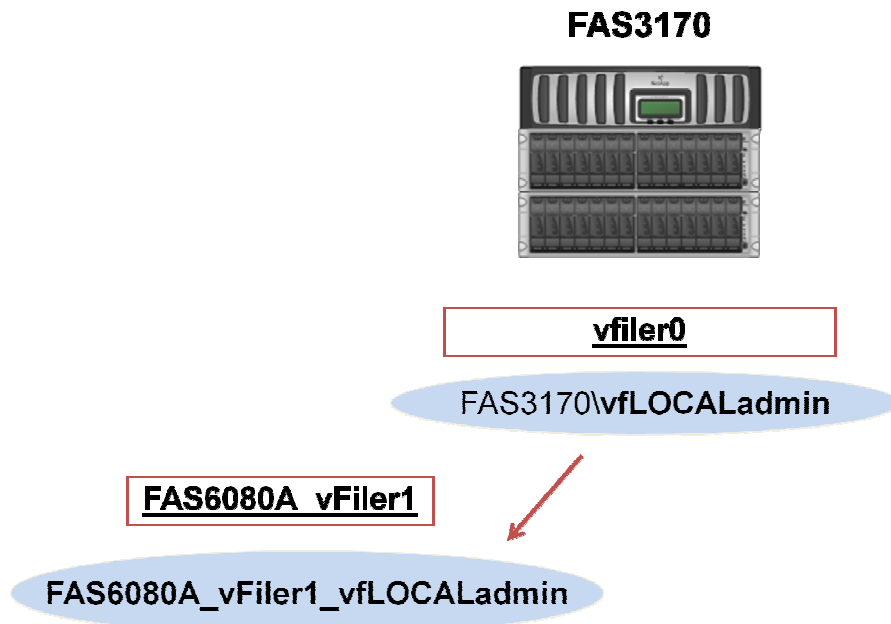
- Create the "vfLOCALadmin" user in vfiler0
  - fas3170> **useradmin user add vfLOCALadmin -g administrators # use "netapp01" password**
- Walk (dump) the registry for the users
  - fas3170> **priv set advanced ; registry walk options.useradmin ; priv set**
  - OUTPUT BELOW

```
options.useradmin.administrator=_J9...RU4uXf7GCfM8e.:0:1023:Built-in account
for administering the filer:78 47 54 c9 c9 e2 5e 40 d0 d2 4c fa 39 de 1a f4
```

```
:66 7c 0f 68 de 23 a2 8b 9c ae 6d f2 41 a3 85 8d
::500:14383:4294967295:0:4294967295

options.useradmin.vfLOCALadmin=_J9..ZHi5U7tJpQ7i5FI:0:1023::78 47 54 c9 c9 e2
5e 40 d0 d2 4c fa 39 de 1a f4 :66 7c 0f 68 de 23 a2 8b 9c ae 6d f2 41 a3 85 8d
::131073:14384:4294967295:0:4294967295
```

- Create the registry entry to add to the vfiler
    - Prepend each of these dumped lines that you want (the one line in this example for vfLOCALadmin) with "vfiler.<vfiler-name>."
        - **options.useradmin.rs -> vfiler.fas6080a_vfiler1.options.useradmin.user**

Sample pre-pended entry

```
vfiler.fas6080a_vfiler1.options.useradmin.vfLOCALadmin=_J9..ZHi5U7tJpQ7i5FI:0:
1023::78 47 54 c9 c9 e2 5e 40 d0 d2 4c fa 39 de 1a f4 :66 7c 0f 68 de 23 a2 8b
9c ae 6d f2 41 a3 85 8d ::131073:14384:4294967295:0:4294967295
```

- Create a reg file to import on the filer.
    - fas3170> **wrfile /etc/test.reg**
        - **PASTE ABOVE Example**
        - **CTRL-C to finish (ignore error)**
- Show all users (vfLOCALadmin is only in vfiler0)
    - fas3170> **vfiler run * useradmin user list**
- Import vfLOCALadmin into fas6080a_vfiler1
    - fas3170> **priv set advanced ; registry import /etc/test.reg ; priv set**
- Commit the changes
    - fas3170> **priv set advanced ; registry commit ; priv set**
- Show all users (vmLOCALadmin is now in BOTH vfiler0 and fas6080a_vfiler1)
    - fas3170> **vfiler run * useradmin user list**

2. <mark>Vice-Versa</mark> - The procedure below will create a user in fas6080a_vfiler1 named "fas6080a", then add that user to vfiler0.

- Create the "fas6080a" user in fas6080a_vfiler1
    - fas3170> **vfiler run fas6080a_vfiler1 useradmin user add fas6080a -g administrators # use "netapp01" password**
- Walk (dump) the registry for the users
    - fas3170> **priv set advanced ; registry walk vfiler.fas6080a_vfiler1.options.useradmin.; priv set**
    - OUTPUT BELOW

```
vfiler.fas6080a_vfiler1.options.useradmin.administrator=_J9..wDGU79hJDzJOcvI:0
:1023:Built-in account for administering the filer:78 47 54 c9 c9 e2 5e 40 d0
d2 4c fa 39 de 1a f4 :66 7c 0f 68 de 23 a2 8b 9c ae 6d f2 41 a3 85 8d
::500:14475:4294967295:0:4294967295
```

```
vfiler.fas6080a_vfiler1.options.useradmin.fas6080a=_J9..7DfWMNrnfaXIc0o:0:1023
::78 47 54 c9 c9 e2 5e 40 d0 d2 4c fa 39 de 1a f4 :66 7c 0f 68 de 23 a2 8b 9c
ae 6d f2 41 a3 85 8d ::131074:14475:4294967295:0:4294967295

vfiler.fas6080a_vfiler1.options.useradmin.root=_J9..bwTWcYRqhxSacGE:0:1023:Def
ault vfiler root:bf 28 a5 ac 37 9a 1d 2e e7 48 37 47 84 7d 34 79 :5c 29 65 97
e7 e5 0b 05 bb 01 fe 41 92 72 df 82 ::131073:14475:4294967295:0:4294967295

vfiler.fas6080a_vfiler1.options.useradmin.vfLOCALadmin=_J9..ZHi5U7tJpQ7i5FI:0:
1023::78 47 54 c9 c9 e2 5e 40 d0 d2 4c fa 39 de 1a f4 :66 7c 0f 68 de 23 a2 8b
9c ae 6d f2 41 a3 85 8d ::131073:14384:4294967295:0:4294967295
```

- Create the registry entry to add to the vfiler
  - Remove the Prepended "**vfiler.fas6080a_vfiler1.**" from each line.
    - **vfiler.fas6080a_vfiler1.options.useradmin.user -> options.useradmin.rs**

Sample non-pre-pended entry

```
options.useradmin.fas6080a=_J9..7DfWMNrnfaXIc0o:0:1023::78 47 54 c9 c9 e2 5e
40 d0 d2 4c fa 39 de 1a f4 :66 7c 0f 68 de 23 a2 8b 9c ae 6d f2 41 a3 85 8d
::131074:14475:4294967295:0:4294967295
```

- Create a reg file to import on the filer.
  - fas3170> **wrfile /etc/test.reg**
    - **PASTE ABOVE**
    - **CTRL-C to finish (ignore error)**
- Show all users (fas6080a is only in fas6080a_vfiler1)
  - fas3170> **vfiler run * useradmin user list**
- Import vfLOCALadmin into fas6080a_vfiler1
  - fas3170> **priv set advanced ; registry import /etc/test.reg ; priv set**
- Commit the changes
  - fas3170> **priv set advanced ; registry commit ; priv set**
- Show all users (fas6080a is now in BOTH vfiler0 and fas6080a_vfiler1)
  - fas3170> **vfiler run * useradmin user list**