Renaming Filesystem path and Logical Volume

In Timna to Brisque-Server migration, a small dataVolume slv9.6 (or /dataVolumes/ripro2.9.6) was (freed) removed from EV-800 (hdisk7) in order to convert the DB from 7.xx to 9.xx.
Later on when migration was done, the available space was configured back to a dataVolume yet not like before. It created an 'slv7.5 … /dataVolumes/ripro2.7.5' instead of 'slv9.6… /dataVolumes/ripro2.9.6'. Look at the following:
df -k |egrep "slv7.5|Free"

Filesystem	1024-blocks	Free	%Used	Iused	%Iused	Mounted on
/dev/slv7.5	**16252928**	**15742632**	**4%**	**37**	**1%**	**/dataVolumes/ripro2.7.5**

The following is the way I fixed this particular filesystem:

1. Unmount filesystem '/dataVolumes/ripro2.7.5'
   root@ripro2:/dataVolumes/ripro2.7.5 31 % **umount /dev/slv7.5**
   umount: 0506-349 Cannot unmount /dev/slv7.5: The requested resource is busy.

   As expected, it was busy. Helios did not let this filesystem be unmounted. Now, since Helios is constantly checking afpvolumes file for any changes, I decided to remove the line from the file.

2. Via **vi /usr/local/es/conf** , I removed (**dd**) the following line:
   /dataVolumes/ripro2.7.5:ripro2.7.5::fixed:readwrite:system

3. I repeated step 1: Unmount from 'afpvolumes' file in '/usr/local/es/conf'
   # **umount /dev/slv7.5**
   This time it was successful.

4. Remove (**smit nfs**) exports directory (remove '/dataVolumes/ripro2.7.5')

```
                                Remove from NFS

                        Remove a Directory from Exports List

Type or select values in entry fields.
Press Enter AFTER making all desired changes.

                                        [Entry Fields]
* PATHNAME of directory to be removed          [/dataVolumes/ripro2.7.5]
  from the NFS exports list
* REMOVE export now, system restart or both     both                 +
  PATHNAME of alternate Exports file            []
```

   Removed successfully.

   We need this Logical Volume as slv9.6 not slv7.5. Let's rename it:
5. Rename a Logical Volume (**smit chlv -> Rename a Logical Volume**)

```
                            Rename a Logical Volume

Type or select values in entry fields.
Press Enter AFTER making all desired changes.

                                        [Entry Fields]
* CURRENT logical volume name                [slv7.5]              +
* NEW logical volume name                    [slv9.6]
```

Renamed successfully.

6. Then, I changed the filesystem name to '**/dataVolumes/ripro2.9.6**'
   # smit chfs
7. Next, selected **Change / Show Characteristics of a Journaled File System**

```
                Change / Show Characteristics of a Journaled File System

Type or select values in entry fields.
Press Enter AFTER making all desired changes.

                                                [Entry Fields]
  File system name                              [/dataVolumes/ripro2.7.5]
  NEW mount point                               [/dataVolumes/ripro2.9.6]
```

Completed successfully.

Now, let's try and mount the device or dataVolume

8. Mount the device (dataVolume)
   root@ripro2:/ 69 % **mount /dev/slv9.6**
   Successful mounting, no error.

```
root@ripro2:/dataVolumes/ripro2.9.6 74 % df -k | egrep "ripro2.9|Free"
Filesystem    1024-blocks      Free        %Used    Iused %Iused Mounted on
/dev/slv9.0     66584576  33969604   49%    26770     1% /dataVolumes/ripro2.9.0
/dev/slv9.1     66584576  11049532   84%    53319     1% /dataVolumes/ripro2.9.1
/dev/slv9.2     66584576   6896976   90%    54775     1% /dataVolumes/ripro2.9.2
/dev/slv9.3     66584576  14950004   78%    11073     1% /dataVolumes/ripro2.9.3
/dev/slv9.4     66584576   8259696   88%    70799     1% /dataVolumes/ripro2.9.4
/dev/slv9.5     66584576   9423308   86%    71606     1% /dataVolumes/ripro2.9.5
/dev/slv9.6     16252928  15742632    4%       37     1% /dataVolumes/ripro2.9.6
```

9. Next, Insert an appropriate line into afpvolume file:
   root@ripro2:/ 70 % **vi /usr/local/es/conf/afpvolumes**

```
/dataVolumes/ripro2.9.5:Ripro2_23::fixed:readwrite:SGS_STL
/dataVolumes/ripro2.9.6:Ripro2_24::fixed:readwrite:SGS_STL
/dataVolumes/ripro2.8.0:Ripro2_11::fixed:readwrite:SGS_STL
```

Now the volume is available for (AppleTalk) mounting not need to stop and re-start .

10. Insert this volume into NFS exports directory
    root@ripro2:/ 71 % **smit nfs**

11. Select **Network File System (NFS)-> Add a Directory to Exports List**

```
                          Add a Directory to Exports List

Type or select values in entry fields.
Press Enter AFTER making all desired changes.

                                                [Entry Fields]
* PATHNAME of directory to export               [/dataVolumes/ripro2.9.6]
* MODE to export directory                      read-write                  +
  HOSTS & NETGROUPS allowed client access       []
  Anonymous UID                                 [-2]
  HOSTS allowed root access                     []
  HOSTNAME list. If exported read-mostly        []
  Use SECURE option?                            no                          +
* EXPORT directory now, system restart or both  both                        +
  PATHNAME of alternate Exports file            []
```

12. Insert volume in '**scinet**' communication files
    # **vi /scitex/version/config/scinet/comm_devices**

```
/dataVolumes/ripro2.7.5
pdev = /dev/slv7.5
pdev_t = FIX
fs = /dataVolumes/ripro2.7.5
fs_t = NET_D_NATIVE
excl = no
label = fix_device
mount = automatic
```

to

```
/dataVolumes/ripro2.9.6
pdev = /dev/slv9.6
pdev_t = FIX
fs = /dataVolumes/ripro2.9.6
fs_t = NET_D_NATIVE
excl = no
label = fix_device
mount = automatic
```

    # **vi /scitex/version/config/scinet/comm_exports**

```
d15 /dataVolumes/ripro2.9.5 rw ALL LAN
d16 /dataVolumes/ripro2.7.5 rw ALL LAN
d17 /dataVolumes/ripro2.8.0 rw ALL LAN
```

to

```
d15 /dataVolumes/ripro2.9.5 rw ALL LAN
d16 /dataVolumes/ripro2.9.6 rw ALL LAN
d17 /dataVolumes/ripro2.8.0 rw ALL LAN
```