



Connecting to multiple fileseps

Snapdrive for Unix

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Connecting to multiple filesystems

You can connect to multiple filesystems that reside in a volume. The following example describes how you can complete this operation.

For creating restricted FlexClone, you need to set the `san-clone-method=unrestricted` in the `snapdrive.conf` file or give `-clone unrestricted` before you can connect to multiple filesystems. This example displays the results when you want to connect to multiple filesystems `/mnt/fs_1` and `/mnt/fs_2` in volume `vol1`.

The layout of `/mnt/fs_1` and `/mnt/fs_2` is given in the following:

```
# snapdrive storage show -fs /mnt/fs_1 /mnt/fs_2 -capabilities
raw device: /dev/sdc1   mount point: /mnt/fs_1 (persistent) fstype ext3
allowed operations: all

device filename      adapter  path      size      proto     state     clone
lun path            backing snapshot
-----
-----
/dev/sdc             -        P         100m     iscsi    online    No
homer:/vol/vol1/lun1  -

raw device: /dev/sdo1   mount point: /mnt/fs_2 (persistent) fstype ext3
allowed operations: all

device filename      adapter  path      size      proto     state     clone  lun
path                backing snapshot
-----
-----
/dev/sdo             -        P         100m     iscsi    online    No
homer:/vol/vol1/lun2  -
```

Here the user used Snapshot `snap2` which contains application consistent Snapshots of `/mnt/fs1` and `/mnt/fs2` for snap connect.

```
# snapdrive snap connect -fs /mnt/fs_1 -fs /mnt/fs_2 -snapname
homer:/vol/voll:snap2 -autorename -clone unrestricted

connecting /mnt/fs_1:
    creating unrestricted volume clone
homer:/vol/Snapdrive_voll_volume_clone_from_snap2_snapshot ... success

    mapping new lun(s) ... done

connecting /mnt/fs_2:

    mapping new lun(s) ... done
    discovering new lun(s) ... done
Successfully connected to snapshot homer:/vol/voll:snap2
    file system: /mnt/fs_1_0
    file system: /mnt/fs_2_0
```

Here, SnapDrive for UNIX has created a single unrestricted FlexClone `Snapdrive_voll_0_volume_clone_from_snap2_Snapshot` from Snapshot `snap2`. This is then connected to LUN `testlun1` and `testlun2` to create a cloned host file system `/mnt/fs1_0` and `/mnt/fs2_0` respectively.

```
# snapdrive storage show -fs /mnt/fs_1_0 /mnt/fs_2_0 -capabilities
raw device: /dev/sde1 mount point: /mnt/fs_1_0 (persistent) fstype ext3
allowed operations: all
```

device filename	adapter	path	size	proto	state	clone
lun path						backing
snapshot						
-----	-----	----	----	-----	-----	-----

/dev/sde	-	P	100m	iscsi	online	flex-clone
homer:/vol/Snapdrive_voll1_volume_clone_from_snap2_snapshot/lun1						
voll1:snap2						

```
raw device: /dev/sdac1 mount point: /mnt/fs_2_0 (persistent) fstype ext3
allowed operations: all
```

device filename	adapter	path	size	proto	state	clone
lun path						
backing snapshot						
-----	-----	----	----	-----	-----	-----

/dev/sdac	-	P	100m	iscsi	online	flex-clone
homer:/vol/Snapdrive_voll1_volume_clone_from_snap2_snapshot/lun2						
voll1:snap2						

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