



Connecting to a single filespec in a LUN

Snapdrive for Unix

Ivana Devine
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You can connect to a single filespec which resides in a LUN. The following example describes how you can complete this operation.



Filespec can be any one of file system, host volume, disk group, or a LUN.

For creating restricted FlexClone, you need to set the option `san-clone-method =optimal` in `snapdrive.conf` file or give `-clone optimal` before you can connect the filespec. This example displays the results when you want to connect a filespec `/mnt/fs1` which resides in a LUN `homer:/vol/vol1/lun1`

The layout of the source file system `/mnt/fs1` is given below:

```
# snapdrive storage show -fs /mnt/fs_1 -capabilities
raw device: /dev/sdc1 mount point: /mnt/fs_1 (persistent) fstype
                ufs
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 -
```

```
# snapdrive snap connect -fs /mnt/fs_1 -snapname homer:/vol/vol1:snap1
-autorename

connecting /mnt/fs_1:
    creating restricted volume clone
homer:/vol/Snapdrive_voll_volume_clone_from_snap1_snapshot ... success

    mapping new lun(s) ... done
    discovering new lun(s) ... done
Successfully connected to snapshot homer:/vol/vol1:snap1
    file system: /mnt/fs_1_0
```

Here, SnapDrive for UNIX automatically chose to create a restricted FlexClone `Snapdrive_voll_0_volume_clone_from_snap1_snapshot` from snapshot `snap1` and connected it to the LUN `testlun1` in this FlexClone to create a cloned host file system `/mnt/fs_1_0`.

```

# snapdrive storage show -fs /mnt/fs_1_0 -capabilities

raw device: /dev/sde1    mount point: /mnt/fs_1_0 (persistent) fstype ufs
allowed operations: snap disconnect; snap list; snap show; storage show;
storage list

device filename adapter path size  proto  state  clone  lun path backing
snapshot
-----
-----
/dev/sde  -  P  100m iscsi online flex-clone
homer:/vol/Snapdrive_voll_volume_clone_from_snap1_snapshot/lun1 voll:snap1

```

SnapDrive for UNIX names the destination FlexClone with the prefix mentioned in the CLI.

If the generated FlexClone name (with prefix) is already in use, SnapDrive for UNIX gives an error message. In this case, you can use `-autorename` option along with `-prefixfv` to auto generate clone volume names.

`-prefixfv` CLI option is applicable only for SAN based filespecs. The `-destfv` CLI option is ignored by SnapDrive for UNIX for SAN based filespecs during FlexClone operation.



SnapDrive for UNIX displays a warning when a Snapshot copy is locked due to LUN clones. However, SnapDrive for UNIX proceeds with the `snap connect` operation.

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