# Command summary

## Snapdrive for Unix

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# Command summary

SnapDrive for UNIX supports the different command lines, such as, configuration, storage provisioning, host-side management, and Snapshot operation.

## Configuration command lines

SnapDrive for UNIX commands are used for configuration operations.

The following command-line options are used for configuration operations.

- `snapdrive config access {show | list} filername`
- `snapdrive config check luns`
- `snapdrive config delete appliance_name [appliance_name …]`
- `snapdrive config list`
- `snapdrive config set user_name appliance_name [appliance_name …]`
- `snapdrive config set [-viadmin] user_name viadmin_name`
- `snapdrive config show [host_file_name]`
- `snapdrive config check cluster`
- `snapdrive config prepare luns -count count`
- `snapdrive config migrate set storage_system_name new_storage_system_name`
- `snapdrive config migrate delete new_storage_system_name [new_storage_system_name…]`
- `snapdrive config migrate list`
- `snapdrive igroup add igroup_name filername [filername …]`
- `snapdrive igroup delete filername [filername …]`
- `snapdrive igroup list`

## Storage provisioning command lines

Some SnapDrive for UNIX commands are used for storage provisioning.

The following command-line options are used for storage-provisioning operations:

| Operation | Command-line option |
| --- | --- |
| Create | |
| | |

-filervol *long_filer_path* -dgsize *size* [-igroup *ig_name* [*ig_name* …]] [{ -reserve | -noreserve }]

| Operation | Command-line option |
| --- | --- |
| | `snapdrive storage create` *host_lvm_fspec* `-lun` *long_lun_name* [*lun_name* …] `-lunsize` *size* [`-igroup` *ig_name* [*ig_name* …]] [{ `-reserve` \| `-noreserve` }]<br><br>You can use any one of the format for the `-file_spec` argument, depending on the type of storage you want to create. (Remember that `-dg` is a synonym for `-vg`, and `-hostvol` is a synonym for `-lvol`.)<br><br>To create a file system directly on a LUN, use this format: `-fs` *file_spec* [`-nolvm -fs` *type*] [`-fsops` *options*] [`-mntopts` *options*] [`-vmtype` *type*]<br><br>To create a file system that uses a disk group or host volume, use this format: `-fs` *file_spec* [`-fstype` *type*] [`-fsopts` *options*] [`-mntops` *options*] [`-hostvol` *file_spec*] [`-dg` *dg_name*] [`-vmtype` *type*]<br><br>To create a logical or host volume, use this format: [`-hostvol` *file_spec*] [`-dg` *dg_name*] [`-fstype` *type*] [`-vmtype` *type*]<br><br>To create a disk group, use this format: `-dg` *dg_name* [`-fstype` *type*] [`-vmtype` *type*] |

| Operation | Command-line option |
| --- | --- |
| Connect | `snapdrive storage connect -fs file_spec -nolvm -lun long_lun_name [-igroup ig_name [ig_name …]] [-nopersist] [-mntopts options] [-fstype type] [-vmtype type]` |
| | `snapdrive storage connect -fs file_spec -hostvol file_spec -lun long_lun_name [lun_name …] [-igroup ig_name [ig_name …]][-nopersist] [-mntopts options] [-fstype type] [-vmtype type]` |
| | `snapdrive storage connect -lun long_lun_name [lun_name …][-igroup ig_name [ig_name …]][-vmtype type]` |
| | `snapdrive storage connect -lun long_lun_name [lun_name…][-vmtype type]` |
| | `snapdrive storage connect -fs_file_spec_ {-hostvol \| -lvol} file_spec -lun long_lun_name [lun_name…] [-nopersist] [-mntopts options] [-fstype type] [-vmtype type]` |
| Disconnect | `snapdrive storage disconnect -lun long_lun_name [lun_name…] [-vmtype type]` |
| | `snapdrive storage disconnect {-vg \| -dg \| -fs \| -lvol \| -hostvol} file_spec [file_spec …] [{-vg \| -dg \| -fs \| -lvol \| -hostvol} file_spec …] …] [-full] [-fstype type] [-vmtype type]` |
| Resize | `snapdrive storage resize {-dg \| -vg} file_spec [file_spec …]{-growby \| -growto} size [-addlun [-igroup ig_name [ig_name …]]] [{ -reseserve \| -noreserve }]] [-fstype type] [-vmtype type]` |

| Operation | Command-line option |
| --- | --- |
| Show/List | `snapdrive storage { show \| list } -filer filername [filername …] [-verbose] [-quiet] [-capabilities]` |
| | `snapdrive storage { show \| list } -filervol long_filer_path [filer_path… ][-verbose] [-quiet] [-capabilities]` |
| | `snapdrive storage { show \| list } {-all \| device} [-capabilities]` |
| | `snapdrive storage show [-verbose] {-filer filername [filername…] \| -filervol volname [volname…]} [-capabilities]` |
| | `snapdrive storage { show\| list } -lun long_lun_name [lun_name …] [-verbose] [-quiet] [-status] [-capabilities]` |
| | `snapdrive storage { show \| list } { -vg \| -dg \| -fs \| -lvol \|-hostvol } file_spec [file_spec …] [{ -vg \| -dg \| -fs \| -lvol \| -hostvol } file_spec [file_spec …]] [-verbose] [-quiet [-fstype type] [-vmtype type] [-status] [-capabilities]` |
| | `snapdrive storage { show \| list } { -filer filer_name [filer_name …] \| -filervol long_filer_path [filer_path … ] } [-verbose] [-capabilities] [-quiet]` |
| | `snapdrive storage { show \| list } -lun long_lun_name [lun_name …] [-verbose] [-status] [-fstype type] [-vmtype type] [-capabilities] [-quiet]` |

| Operation | Command-line option |
| --- | --- |
| Delete | `snapdrive storage delete [-lun] long_lun_name [lun_name…] [-fstype type] [-vmtype type]` |
| | `snapdrive storage delete [-vg \| -dg \| -fs \| -lvol \| -hostvol] file_spec [file_spec …] [{-vg \| -dg \| -fs \| -lvol \| -hostvol} file_spec [file_spec …] …] [-full] ] [-fstype type] [-vmtype type]` |

**Related information**

Command-line arguments

# Host-side command lines

SnapDrive for UNIX commands are used for host-side operations.

The following table gives various command-line options for host-side operations.

| Operation | Command-line option |
| --- | --- |
| Host connect | `snapdrive host connect -lun long_lun_name [lun_name …] [-vmtype type]` |
| | `snapdrive host connect -fs file_spec -nolvm -lun long_lun_name [-nopersist][-mntopts options] [-fstype type] [-vmtype type]` |
| | `snapdrive host connect -fs file_spec -hostvol file_spec -lun long_lun_name [lun_name][-nopersist] [-mntopts options][-vmtype type]` |
| Host disconnect | `snapdrive host disconnect-lun long_lun_name [lun_name…] [-vmtype type]` |
| | `snapdrive host disconnect {-vg \| -dg \| -fs \| -lvol \| -hostvol} file_spec [file_spec …][{-vg \| -dg \| -fs \| -lvol \| -hostvol} file_spec [file_spec …]…] [-full] [-fstype type] [-vmtype type]` |

# Snapshot operation command lines

SnapDrive for UNIX commands are used for Snapshot operations.

The following table gives various command-line options for Snapshot operations.

| Operation | Command-line options |
|---|---|
| Create | `snapdrive snap create [-lun \| -dg \| -vg \| -hostvol \| -lvol \| -fs] file_spec [file_spec …] [{-lun \| -dg \| -vg \| -hostvol \| -lvol \| -fs} file_spec [file_spec …] …] -snapname snap_name [-force [-noprompt]] [-unrelated] [-fstype type] [-vmtype type]` |
| Show/List | `snapdrive snap { show \| list } -filervol filervol [filervol…][-verbose]` |
| | `snapdrive snap { show \| list } [-verbose] {-vg \| -dg \| -fs \| -lvol \| -hostvol} file_spec [file_spec…] [-fstype type] [-vmtype type]` |
| | `snapdrive snap [-verbose] [-snapname] long_snap_name [snap_name …]` |
| | `snapdrive snap{show\|list} [-verbose] [-lun \| -vg \| -dg \| -fs \| -lvol \| -hostvol] file_spec [file_spec…]` |

| Operation | Command-line options |
| --- | --- |
| Connect | `snapdrive snap connect -lun s_lun_name d_lun_name [[-lun] s_lun_name d_lun_name …] -snapname long_snap_name [-split] [-clone {lunclone \| optimal \| unrestricted}] [-prefixfvprefixstr] [-verbose]`<br><br>In a snapdrive snap connect command, the LUN name should be in the format `lun_name` or `qtree_name/lun_name`. |
| | `snapdrive snap connect fspec_set [fspec_set…] -snapname long_snap_name [-autoexpand] [-autorename] [-nopersist] [-mntopts options] [{-reserve \| -noreserve}] [-readonly] [-split] [-clone {lunclone \| optimal \| unrestricted}] [-prefixfv prefixstr] [-verbose]`<br><br>The fspec_set argument has the following format:<br><br>`[-vg \| -dg\| -fs \| -lvol \| -hostvol] src_file_spec [dest_file_spec] [{-destdg \| -destvg} dgname] [{-destlv \| -desthv} lvname]` |
| Rename | `snapdrive snap rename - old_long_snap_namenew_snap_name [-force [-noprompt]]` |
| Restore | `snapdrive snap restore [-lun \| -dg \| -vg \| -hostvol \| -lvol \| -fs \| -file] file_spec [file_spec …] [{-lun \| -dg \| -vg \| -hostvol \| -lvol \| -fs \| -file} file_spec [file_spec …] …] -snapname snap_name [-force [-noprompt]] [-mntopts options][{-reserve \| -noreserve}] [-vbsr [preview\|execute]]` |

| Operation | Command-line options |
| --- | --- |
| Disconnect | `snapdrive snap disconnect -lun long_lun_name [lun_name…] [-fstype type] [-vmtype type][-split]` |
| | `snapdrive snap disconnect {-dg\| -vg \| -hostvol \| -lvol \| -fs} file_spec [file_spec …] [{-dg \| -vg \| -hostvol \| -lvol \| -fs} file_spec [file_spec …] …] [-full] [-fstype type] [-vmtype type] [-split]` |
| Delete | `snapdrive snap delete [-snapname] long_snap_name [snap_name…][-verbose] [-force [-noprompt]]` |

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