



## **Command summary**

### **Snapdrive for Unix**

NetApp  
March 24, 2021

# Table of Contents

- Command summary ..... 1
  - Configuration command lines ..... 1
  - Storage provisioning command lines ..... 1
  - Host-side command lines ..... 7
  - Snapshot operation command lines ..... 8

# 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} filename`
- `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 filename [filename ...]`
- `snapdrive igroup delete filename [filename ...]`
- `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	

<p><b>Operation</b></p>	<pre data-bbox="818 8 1490 105">-filervol long_filer_path -dgsize size [-igroup ig_name [ig_name ...]] [{ -reserve   -noreserve }]</pre> <p><b>Command-line option</b></p> <pre data-bbox="818 168 1490 304">snapdrive storage create host_lvm_fspect -lun long_lun_name [lun_name ...] -lunsize size [-igroup ig_name [ig_name ...]] [{ -reserve   -noreserve }]</pre> <p data-bbox="1008 348 1458 590">You can use any one of the format for the <code>-file_spec</code> argument, depending on the type of storage you want to create. (Remember that <code>-dg</code> is a synonym for <code>-vg</code>, and <code>-hostvol</code> is a synonym for <code>-lvol</code>.)</p> <p data-bbox="1008 630 1458 835">To create a file system directly on a LUN, use this format: <code>-fs file_spec [-nolvm -fs type] [-fsops options] [-mntopts options] [-vmtype type]</code></p> <p data-bbox="867 877 930 940"></p> <p data-bbox="1008 877 1458 1119">To create a file system that uses a disk group or host volume, use this format: <code>-fs file_spec [-fstype type] [-fsops options] [-mntops options] [-hostvol file_spec] [-dg dg_name] [-vmtype type]</code></p> <p data-bbox="1008 1159 1458 1329">To create a logical or host volume, use this format: <code>[-hostvol file_spec] [-dg dg_name] [-fstype type] [-vmtype type]</code></p> <p data-bbox="1008 1369 1458 1465">To create a disk group, use this format: <code>-dg dg_name [-fstype type] [-vmtype type]</code></p>
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Operation	Command-line option
Connect	<pre> 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] </pre>
Disconnect	<pre> 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] </pre>
Resize	<pre> snapdrive storage resize {-dg   -vg} file_spec [file_spec ...]{-growby   -growto} size [-addlun [-igroup ig_name [ig_name ...]]] [{ -reseserve   -noreserve }] [-fstype type] [-vmtype type] </pre>

Operation	Command-line option
Show/List	<pre>snapdrive storage { show   list } -filer filename [filename ...] [- verbose] [-quiet] [-capabilities]</pre>
	<pre>snapdrive storage { show   list } -filervol long_filer_path [filer_path... ] [-verbose] [-quiet] [-capabilities]</pre>
	<pre>snapdrive storage { show   list } {-all   device} [-capabilities]</pre>
	<pre>snapdrive storage show [-verbose] {- filer filename [filename...]   -filervol volname [volname...]} [- capabilities]</pre>
	<pre>snapdrive storage { show  list } -lun long_lun_name [lun_name ...] [-verbose] [-quiet] [-status] [-capabilities]</pre>
	<pre>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]</pre>
	<pre>snapdrive storage { show   list } { -filer filer_name [filer_name ...]   -filervol long_filer_path [filer_path ... ] } [-verbose] [-capabilities] [-quiet]</pre>
<pre>snapdrive storage { show   list } -lun long_lun_name [lun_name ...] [-verbose] [-status] [-fstype type] [-vmtype type] [-capabilities] [-quiet]</pre>	



Operation	Command-line option
Delete	<pre>snapdrive storage delete [-lun] long_lun_name [lun_name...] [-fstype type] [-vmttype type]</pre>
	<pre>snapdrive storage delete [-vg   -dg   -fs   -lvol   -hostvol] file_spec [file_spec ...] [{-vg   -dg   -fs   -lvol   -hostvol} file_spec [file_spec ...] ...] [-full] ] [-fstype type] [-vmttype type]</pre>

## 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	<pre>snapdrive host connect -lun long_lun_name [lun_name ...] [-vmttype type]</pre>
	<pre>snapdrive host connect -fs file_spec -nolvm -lun long_lun_name [- nopersist][-mntopts options] [-fstype type] [-vmttype type]</pre>
	<pre>snapdrive host connect -fs file_spec -hostvol file_spec -lun long_lun_name [lun_name][-nopersist] [-mntopts options][-vmttype type]</pre>
Host disconnect	<pre>snapdrive host disconnect-lun long_lun_name [lun_name...] [-vmttype type]</pre>
	<pre>snapdrive host disconnect {-vg   -dg   -fs   -lvol   -hostvol} file_spec [file_spec ...][{-vg   -dg   -fs   -lvol   -hostvol} file_spec [file_spec ...]...] [-full] [-fstype type] [-vmttype type]</pre>

# 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	<pre> 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]           </pre>
Show/List	<pre> 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...]           </pre>

Operation	Command-line options
Connect	<pre data-bbox="816 163 1490 373">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]</pre> <div data-bbox="865 457 930 520" style="float: left; margin-right: 10px;">  </div> <div data-bbox="1008 422 1463 558" style="border-left: 1px solid #ccc; border-right: 1px solid #ccc; padding: 0 10px;"> <p>In a <code>snapdrive snap connect</code> command, the LUN name should be in the format <code>lun_name</code> or <code>qtree_name/lun_name</code>.</p> </div> <pre data-bbox="816 625 1490 898">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]</pre> <div data-bbox="865 1056 930 1119" style="float: left; margin-right: 10px;">  </div> <div data-bbox="1008 951 1463 1014" style="border-left: 1px solid #ccc; border-right: 1px solid #ccc; padding: 0 10px;"> <p>The <code>fspec_set</code> argument has the following format:</p> </div> <pre data-bbox="1008 1056 1463 1224">[-vg   -dg   -fs   -lvol   -hostvol] src_file_spec [dest_file_spec] [{-destdg   -destvg} dgname] [{- destlv   -desthv} lvname]</pre>
Rename	<pre data-bbox="816 1297 1490 1392">snapdrive snap rename - old_long_snap_name new_snap_name [-force [-noprompt]]</pre>
Restore	<pre data-bbox="816 1455 1490 1728">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]]</pre>

Operation	Command-line options
Disconnect	<pre> 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] </pre>
Delete	<pre> snapdrive  snap  delete  [-snapname] long_snap_name  [snap_name...] [-verbose] [-force [-noprompt]] </pre>

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