



## **Command summary**

### **Snapdrive for Unix**

NetApp

February 12, 2024

This PDF was generated from [https://docs.netapp.com/us-en/snapdrive-unix/aix/reference\\_configuration\\_command\\_lines.html](https://docs.netapp.com/us-en/snapdrive-unix/aix/reference_configuration_command_lines.html) on February 12, 2024. Always check docs.netapp.com for the latest.

# 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	

	<pre>-filervol long_filer_path -dgsize size [-igroup ig_name [ig_name ...]] [{ -reserve   -noreserve }]</pre>
Operation	<p><b>Command-line option</b></p> <pre>snapdrive storage create host_lvm_fspect -lun long_lun_name [lun_name ...] -lunsize size [-igroup ig_name [ig_name ...]] [{ -reserve   -noreserve }]</pre> <div> <div></div> <div> <p>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>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> 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>To create a logical or host volume, use this format: <code>[-hostvol file_spec] [-dg dg_name] [-fstype type] [-vmtype type]</code></p> <p>To create a disk group, use this format: <code>-dg dg_name [-fstype type] [-vmtype type]</code></p> </div> </div>

Operation	Command-line option
Connect	<pre>snapdrive storage connect -fs <i>file_spec</i> -nolvm -lun <i>long_lun_name</i> [-igroup <i>ig_name</i> [<i>ig_name</i> ...]] [-nopersist] [- mntopts options] [-fstype <i>type</i>] [- vmtype <i>type</i>]</pre>
	<pre>snapdrive storage connect -fs <i>file_spec</i> -hostvol <i>file_spec</i> -lun <i>long_lun_name</i> [<i>lun_name</i> ...] [-igroup <i>ig_name</i> [<i>ig_name</i> ...]] [-nopersist] [-mntopts options] [- fstype <i>type</i>] [-vmtype <i>type</i>]</pre>
	<pre>snapdrive storage connect -lun <i>long_lun_name</i> [<i>lun_name</i> ...] [-igroup <i>ig_name</i> [<i>ig_name</i> ...]] [-vmtype <i>type</i>]</pre>
	<pre>snapdrive storage connect -lun <i>long_lun_name</i> [<i>lun_name</i>...] [-vmtype <i>type</i>]</pre>
	<pre>snapdrive storage connect -fs <i>file_spec</i> {-hostvol   -lvol} <i>file_spec</i> -lun <i>long_lun_name</i> [<i>lun_name</i>... ] [-nopersist] [-mntopts options] [- fstype <i>type</i>] [-vmtype <i>type</i>]</pre>
Disconnect	<pre>snapdrive storage disconnect -lun <i>long_lun_name</i> [<i>lun_name</i>...] [-vmtype <i>type</i>]</pre>
	<pre>snapdrive storage disconnect {-vg   -dg   -fs   -lvol   -hostvol} <i>file_spec</i> [<i>file_spec</i> ...] [{-vg   -dg   -fs   -lvol   -hostvol} <i>file_spec</i> ...] ... [-full] [- fstype <i>type</i>] [-vmtype <i>type</i>]</pre>
Resize	<pre>snapdrive storage resize {-dg   -vg} <i>file_spec</i> [<i>file_spec</i> ...] {-growby   -growto} <i>size</i> [-addlun [-igroup <i>ig_name</i> [<i>ig_name</i> ...]]] [{ -reseserve   -noreserve }]] [-fstype <i>type</i>] [-vmtype <i>type</i>]</pre>

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



Operation	Command-line option
Delete	<pre>snapdrive storage delete [-lun] long_lun_name [lun_name...] [-fstype type] [-vmtype 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] [-vmtype 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 ...] [-vmtype type]</pre>
	<pre>snapdrive host connect -fs file_spec -nolvms -lun long_lun_name [- nopersist][--mntopts options] [-fstype type] [-vmtype type]</pre>
	<pre>snapdrive host connect -fs file_spec -hostvol file_spec -lun long_lun_name [lun_name][--nopersist] [--mntopts options][--vmtype type]</pre>
Host disconnect	<pre>snapdrive host disconnect-lun long_lun_name [lun_name...] [-vmtype 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] [-vmtype 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] <i>file_spec</i> [<i>file_spec</i> ...] [{-lun   -dg   -vg   -hostvol   -lvol   -fs} <i>file_spec</i> [<i>file_spec</i> ...] ...] -snapname <i>snap_name</i> [- force [-noprompt]] [-unrelated] [- fstype <i>type</i>] [-vmtype <i>type</i>]</pre>
Show/List	<pre>snapdrive snap { show   list } -filervol <i>filervol</i> [<i>filervol</i>...][- verbose]</pre>
	<pre>snapdrive snap { show   list } [- verbose] {-vg   -dg   -fs   -lvol   -hostvol} <i>file_spec</i> [<i>file_spec</i>...] [- fstype <i>type</i>] [-vmtype <i>type</i>]</pre>
	<pre>snapdrive snap [-verbose] [-snapname] <i>long_snap_name</i> [<i>snap_name</i> ...]</pre>
	<pre>snapdrive snap{show list} [-verbose] [- lun   -vg   -dg   -fs   -lvol   -hostvol] <i>file_spec</i> [<i>file_spec</i>...]</pre>

Operation	Command-line options
Connect	<pre>snapdrive snap connect -lun <i>s_lun_name</i> <i>d_lun_name</i> [[-lun] <i>s_lun_name</i> <i>d_lun_name</i> ...] -snapname <i>long_snap_name</i> [-split] [-clone {lunclone   optimal   unrestricted}] [-prefixfvprefixstr] [- verbose]</pre> <div>  <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>snapdrive snap connect <i>fspec_set</i> [<i>fspec_set</i>...] -snapname <i>long_snap_name</i> [-autoexpand] [-autorename] [- nopersist] [-mntopts options] [{- reserve   -noreserve}] [-readonly] [- split] [-clone {lunclone   optimal   unrestricted}] [-prefixfv prefixstr] [- verbose]</pre> <div>  <p>The <code>fspec_set</code> argument has the following format:</p> <pre>[-vg   -dg   -fs   -lvol   -hostvol] <i>src_file_spec</i> [<i>dest_file_spec</i>] [{-destdg   -destvg} <i>dgname</i>] [{-destlv   -desthv} <i>lvname</i>]</pre> </div>
Rename	<pre>snapdrive snap rename - <i>old_long_snap_name</i><i>new_snap_name</i> [-force [-noprompt]]</pre>
Restore	<pre>snapdrive snap restore [-lun   -dg   -vg   -hostvol   -lvol   -fs   -file] <i>file_spec</i> [<i>file_spec</i> ...] [{-lun   -dg   -vg   -hostvol   -lvol   -fs   -file} <i>file_spec</i> [<i>file_spec</i> ...] ...] -snapname <i>snap_name</i> [-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] </pre>
	<pre> 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>

## Copyright information

Copyright © 2024 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

## Trademark information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.