



Creating a file system on a LUN and setting up the LUN automatically

Snapdrive for Unix

Ivana Devine, Aksel Davis
January 25, 2021

Table of Contents

Creating a file system on a LUN and setting up the LUN automatically 1
Examples: 1

Creating a file system on a LUN and setting up the LUN automatically

You can create a file system on a LUN using SnapDrive for UNIX. SnapDrive for UNIX automatically create the associated LUN.

Steps

1. At the command line, enter the following command:

```
snapdrive storage create -fs file_spec -nolvm [-fstype type] [-fsopts options] [-mntopts options] [-nopersist] -filervol long_filer_path -lunsize size [-igroup ig_name[ig_name ...]] [{-reserve | -noreserve }]
```

SnapDrive for UNIX creates the file system you specify and creates a LUN for it on the storage system you specify. It performs all of the tasks associated with host preparation and discovery for the LUNs, as well as mapping and connecting the LUNs to the host entity.

Examples:

Creating a 100-MB file system directly on a LUN:

```
# snapdrive storage create -fs /mnt/acct1 -filervol acctfiler:/vol/vol1 -lunsize 100m -nolvm
```

Creating a file system on a raw LUN without any volume manager:

```
# snapdrive storage create -fs /mnt/vxfs2 -fstype vxfs -lun snoopy:/vol/vol1/lunVxvm2 -lunsize 50m -nolvm
LUN snoopy:/vol/vol1/lunVxvm2 ... created
mapping new lun(s) ... done
discovering new lun(s) ... done
LUN to device file mappings:
- snoopy:/vol/vol1/lunVxvm2 => /dev/vx/dmp/Disk_1
file system /mnt/vxfs2 created
```

Creating a file system on a RDM LUN without any volume manager:

```
# snapdrive storage create -fs /mnt/vxfs2 -fstype vxfs -lun
snoopy:/vol/vol1/lunVxvm2 -lunsize 50m -nolvm
LUN snoopy:/vol/vol1/lunVxvm2 ... created
mapping new lun(s) ... done
exporting new lun(s) ... done
discovering new lun(s) ... done
LUN to device file mappings:
- snoopy:/vol/vol1/lunVxvm2 => /dev/vx/dmp/Disk_1
file system /mnt/vxfs2 created
```

Copyright Information

Copyright © 2021 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.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

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.