



# Delete directories

ONTAP 9

NetApp  
December 01, 2021

# Table of Contents

- Delete directories ..... 1
  - Delete directories overview ..... 1
  - Perform a fast directory delete using the CLI ..... 1
  - Cancel a directory delete job ..... 2

# Delete directories

## Delete directories overview

Beginning in ONTAP 9.8, you can delete large directories with lower latencies. This improved method of directory delete can be implemented through a new REST API or using the ONTAP command line interface (CLI).

Starting with ONTAP 9.9.1, you can also use ONTAP System Manager to perform a fast directory delete. For more information, see [Take corrective action based on analytics](#).

## Perform a fast directory delete using the CLI

It is recommended that you use the REST API to delete your directory. You can also use ONTAP command line interface (CLI) to delete your directory.

### Steps

1. Enter advanced privilege mode:

```
-privilege advance
```

2. Delete the directory:

```
volume file async-delete start volume volume_name vserver vserver_name path  
directory_path -throttle throttle
```

The minimum throttle value is 10, the maximum is 100,000, and the default is 5000.

The following example creates a new directory async delete job with the default throttle.

```
cluster-cli::*> volume file async-delete start -vserver vs1 -volume vol1  
-path d1  
  
[Job 32] Job is queued: Asynchronous directory delete job.
```

3. Verify that the directory was deleted:

```
event log show
```

The following example shows output for the event log when the directory is successfully deleted.

```
cluster-cli::*> event log show
```

Time	Node	Severity	Event
------	------	----------	-------

MM/DD/YYYY 00:11:11	cluster-vsim	INFORMATIONAL	
---------------------	--------------	---------------	--

asyncDelete.message.success: Async delete job on path d1 of volume (MSID: 2162149232) was completed.			
--	--	--	--

## Cancel a directory delete job

If you need to cancel the deletion of a directory, you can do so while the job is still in progress.

### Steps

1. Enter advanced privilege mode:

```
-privilege advanced
```

2. Verify that the directory delete is in progress:

```
volume file async-delete show
```

If the SVM, volume, JobID and path of your directory is displayed, you can cancel the job.

3. Cancel the directory delete:

```
volume file async-delete cancel -vserver SVM_name -volume volume_name -jobid  
job_id
```

## 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.