



View and update NFS client settings

REST API reference

NetApp
September 09, 2025

This PDF was generated from https://docs.netapp.com/us-en/ontap-restapi-9161/protocols_nfs_connected-client-settings_endpoint_overview.html on September 09, 2025. Always check docs.netapp.com for the latest.

Table of Contents

- View and update NFS client settings 1
 - Protocols NFS connected-client-settings endpoint overview 1
 - Overview 1
 - Example 1
 - Retrieve the NFS connected-client cache settings for a cluster. 2
 - Parameters. 2
 - Response 2
 - Error 3
 - Definitions 4
 - Update NFS connected-client cache settings properties 5
 - Request Body. 5
 - Response 6
 - Error 6
 - Definitions 7

View and update NFS client settings

Protocols NFS connected-client-settings endpoint overview

Overview

This cluster-wide API is used to set the maximum cache idle time (`client_retention_interval`) for the connected-clients cache. If a client connected to NFS server is idle for longer than the maximum cache idle time, the entry will be removed. The `update_interval` value will change when the `client_retention_interval` is changed. The update interval represents the interval between the cleaning happens. If the value of `client_retention_interval` is set to 60hrs the connected client entry will stay there for 60 hours and after that it will get removed. If the value of `update_interval` is 8 hours then the cache will be refreshed once every 8 hours.

Example

Retrieves connected-client cache settings information

```
# The API:
GET /api/protocols/nfs/connected-client-settings

# The call:
curl -X GET "https://<cluster-mgmt-ip>/api/protocols/nfs/connected-client-
settings?return_timeout=15&return_records=true" -H "accept:
application/json"

# The response:
{
  "client_retention_interval": "P7D",
  "update_interval": "PT8H"
}
```

Updating connected-client cache settings

```
# The API:
PATCH /api/protocols/nfs/connected-client-settings

# The call:
curl -d "@test_cache_settings_patch.txt" -X PATCH "https://<mgmt-
ip>/api/protocols/nfs/connected-client-settings"
test_cache_settings_patch.txt (body):
{
  "client_retention_interval": "P7D"
}
```

Retrieve the NFS connected-client cache settings for a cluster

GET /protocols/nfs/connected-client-settings

Introduced In: 9.12

Retrieves the NFS connected-client cache settings of the cluster.

Parameters

Name	Type	In	Required	Description
update_interval	string	query	False	Filter by update_interval
enable_nfs_clients_deletion	boolean	query	False	Filter by enable_nfs_clients_deletion
client_retention_interval	string	query	False	Filter by client_retention_interval
fields	array[string]	query	False	Specify the fields to return.

Response

Status: 200, Ok

Name	Type	Description
_links	_links	
client_retention_interval	string	The lifetime range of the connected-clients cache. Only intervals in multiples of 12 hours or its equivalent in days, minutes or seconds are supported. The minimum is 12 hours and the maximum is 168 hours or 7 days.

Name	Type	Description
enable_nfs_clients_deletion	boolean	Specifies whether or not NFS Clients deletion is enabled for the connected-clients cache. When set to "true", connected-clients entries are deleted when a connection is closed.
update_interval	string	The time interval between refreshing the connected-clients cache. The minimum is 1 hour and the maximum is 8 hours.

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "client_retention_interval": "string",
  "update_interval": "string"
}
```

Error

Status: Default, Error

Name	Type	Description
error	returned_error	

Example error

```
{
  "error": {
    "arguments": [
      {
        "code": "string",
        "message": "string"
      }
    ],
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

Name	Type	Description
self	href	

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Update NFS connected-client cache settings properties

PATCH /protocols/nfs/connected-client-settings

Introduced In: 9.12

Updates the properties of the NFS connected-client cache settings.

Request Body

Name	Type	Description
client_retention_interval	string	The lifetime range of the connected-clients cache. Only intervals in multiples of 12 hours or its equivalent in days, minutes or seconds are supported. The minimum is 12 hours and the maximum is 168 hours or 7 days.
enable_nfs_clients_deletion	boolean	Specifies whether or not NFS Clients deletion is enabled for the connected-clients cache. When set to "true", connected-clients entries are deleted when a connection is closed.
update_interval	string	The time interval between refreshing the connected-clients cache. The minimum is 1 hour and the maximum is 8 hours.

Example request

```
{
  "client_retention_interval": "string",
  "update_interval": "string"
}
```

Response

Status: 200, Ok

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
3277172	The value for "client_retention_interval" must be between 12 and 168 hours or its equivalent in days, minutes or seconds.

Error Code	Description
3277170	The "client_retention_interval" must be set to a value which is a multiple of 12 hours or to its equivalent in days, minutes or seconds.

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

nfs_clients_cache

Name	Type	Description
client_retention_interval	string	The lifetime range of the connected-clients cache. Only intervals in multiples of 12 hours or its equivalent in days, minutes or seconds are supported. The minimum is 12 hours and the maximum is 168 hours or 7 days.
enable_nfs_clients_deletion	boolean	Specifies whether or not NFS Clients deletion is enabled for the connected-clients cache. When set to "true", connected-clients entries are deleted when a connection is closed.
update_interval	string	The time interval between refreshing the connected-clients cache. The minimum is 1 hour and the maximum is 8 hours.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code

Name	Type	Description
message	string	Error message
target	string	The target parameter that caused the error.

Copyright information

Copyright © 2025 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.