



View and create multi-admin-verify approval groups

ONTAP 9.15.1 REST API reference

NetApp
September 11, 2024

Table of Contents

- View and create multi-admin-verify approval groups 1
 - Security multi-admin-verify approval-groups endpoint overview 1
 - Retrieve multi-admin-verify approval groups 3
 - Create a multi-admin-verify approval group 9

View and create multi-admin-verify approval groups

Security multi-admin-verify approval-groups endpoint overview

Overview

A group of users can be defined in a cluster server context. Approval groups can be associated with a rule or global setting from which the associated request can retrieve approvals.

Examples

Creating a multi-admin-verify approval group

Creates an approval group for a specified SVM for a specified list of ONTAP users.

```
# The API:
/api/security/multi-admin-verify/approval-groups

# The call:
curl -X POST "https://<mgmt-ip>/api/security/multi-admin-verify/approval-
groups?return_records=true" -H "accept: application/hal+json" -d '{"name":
"group1", "approvers": ["admin"], "email":
["group1.approvers@email.com"]}'

# The response:
{
  "num_records": 1,
  "records": [
    {
      "owner": {
        "uuid": "c109634f-7011-11ec-a23d-005056a78fd5",
        "_links": {
          "self": {
            "href": "/api/svm/svms/c109634f-7011-11ec-a23d-005056a78fd5"
          }
        }
      },
      "name": "group1",
      "approvers": [
        "admin"
      ],
      "email": [
        "group1.approvers@email.com"
      ],
      "_links": {
        "self": {
          "href": "/api/security/multi-admin-verify/approval-
groups/c109634f-7011-11ec-a23d-005056a78fd5/group1"
        }
      }
    }
  ]
}
```

Retrieving multi-admin-verify approval groups

Displays information about approval groups and the users that are registered with each group.

```
# The API:
/api/security/multi-admin-verify/approval-groups

# The call:
curl -X GET "https://<cluster-ip>/api/security/multi-admin-verify/approval-groups"

# The response:
{
  "records": [
    {
      "owner": {
        "uuid": "52b75787-7011-11ec-a23d-005056a78fd5",
        "name": "cluster1",
        "_links": {
          "self": {
            "href": "/api/svm/svms/52b75787-7011-11ec-a23d-005056a78fd5"
          }
        }
      },
      "name": "group1",
      "_links": {
        "self": {
          "href": "/api/security/multi-admin-verify/approval-groups/52b75787-7011-11ec-a23d-005056a78fd5/group1"
        }
      }
    }
  ],
  "num_records": 1,
  "_links": {
    "self": {
      "href": "/api/security/multi-admin-verify/approval-groups"
    }
  }
}
```

Retrieve multi-admin-verify approval groups

GET /security/multi-admin-verify/approval-groups

Introduced In: 9.11

Retrieves multi-admin-verify approval groups.

Parameters

Name	Type	In	Required	Description
owner.uuid	string	query	False	Filter by owner.uuid
owner.name	string	query	False	Filter by owner.name
name	string	query	False	Filter by name
approvers	string	query	False	Filter by approvers
email	string	query	False	Filter by email
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.
return_records	boolean	query	False	The default is true for GET calls. When set to false, only the number of records is returned. <ul style="list-style-type: none">• Default value: 1
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When iterating over a collection, the default is 15 seconds. ONTAP returns earlier if either max records or the end of the collection is reached. <ul style="list-style-type: none">• Default value: 1• Max value: 120• Min value: 0

Name	Type	In	Required	Description
order_by	array[string]	query	False	Order results by specified fields and optional [asc

Response

Status: 200, Ok

Name	Type	Description
_links	_links	
num_records	integer	Number of records
records	array[multi_admin_verify_approval_group]	

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "approvers": [
        "string"
      ],
      "email": [
        "string"
      ],
      "name": "string",
      "owner": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svm1",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      }
    }
  ]
}
```

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
next	href	
self	href	

_links

Name	Type	Description
self	href	

owner

The owner of the approval group. The only valid owner is currently the cluster.

Name	Type	Description
_links	_links	
name	string	The name of the SVM. This field cannot be specified in a POST or PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

multi_admin_verify_approval_group

Name	Type	Description
approvers	array[string]	List of users that can approve a request.
email	array[string]	Email addresses that are notified when a request is created, approved, vetoed, or executed.
name	string	Name of the approval group.

Name	Type	Description
owner	owner	The owner of the approval group. The only valid owner is currently the cluster.

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.

Create a multi-admin-verify approval group

POST /security/multi-admin-verify/approval-groups

Introduced In: 9.11

Creates a multi-admin-verify approval group.

Parameters

Name	Type	In	Required	Description
return_records	boolean	query	False	The default is false. If set to true, the records are returned. <ul style="list-style-type: none"> • Default value:

Request Body

Name	Type	Description
approvers	array[string]	List of users that can approve a request.
email	array[string]	Email addresses that are notified when a request is created, approved, vetoed, or executed.
name	string	Name of the approval group.
owner	owner	The owner of the approval group. The only valid owner is currently the cluster.

Example request

```
{
  "approvers": [
    "string"
  ],
  "email": [
    "string"
  ],
  "name": "string",
  "owner": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

Response

Status: 201, Created

Name	Type	Description
_links	_links	
num_records	integer	Number of records
records	array[multi_admin_verify_approval_group]	

Example response

```

{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "approvers": [
        "string"
      ],
      "email": [
        "string"
      ],
      "name": "string",
      "owner": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svml",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      }
    }
  ]
}

```

Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
262309	The feature must be enabled first.
262333	Invalid user in approval group.

Also see the table of common errors in the [Response body](#) overview section of this documentation.

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	

owner

The owner of the approval group. The only valid owner is currently the cluster.

Name	Type	Description
_links	_links	
name	string	The name of the SVM. This field cannot be specified in a POST or PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

multi_admin_verify_approval_group

Name	Type	Description
approvers	array[string]	List of users that can approve a request.
email	array[string]	Email addresses that are notified when a request is created, approved, vetoed, or executed.
name	string	Name of the approval group.
owner	owner	The owner of the approval group. The only valid owner is currently the cluster.

_links

Name	Type	Description
next	href	
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.

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.