



Manage multi-admin-verify rules

REST API reference

NetApp
July 17, 2026

Table of Contents

- Manage multi-admin-verify rules 1
 - Manage multi-admin-verify rules 1
 - Overview 1
 - Examples 1
 - Retrieve multi-admin-verify rules 7
 - Parameters. 8
 - Response 9
 - Error 10
 - Definitions 11
 - Create a multi-admin-verify rule 14
 - Parameters. 14
 - Request Body. 14
 - Response 16
 - Error 17
 - Definitions 18

Manage multi-admin-verify rules

Manage multi-admin-verify rules

Overview

Rules define the ONTAP commands (operations) that should be protected by multi-admin approval. While the feature is turned on, any ONTAP operation that is defined with a rule will be enforced with multi-admin approval to execute the command (operation).

Examples

Creating a multi-admin-verify rule

Creates a rule for the specified ONTAP operation.

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

# The call:
curl -X POST "https://<mgmt-ip>/api/security/multi-admin-verify/rules?return_records=true" -H "accept: application/hal+json" -d '{"operation": "volume delete", "query": "-vserver vs0", "required_approvers": 1}'

# The response:
{
  "num_records": 1,
  "records": [
    {
      "owner": {
        "uuid": "c109634f-7011-11ec-a23d-005056a78fd5",
        "_links": {
          "self": {
            "href": "/api/svm/svms/c109634f-7011-11ec-a23d-005056a78fd5"
          }
        }
      },
      "operation": "volume delete",
      "auto_request_create": true,
      "query": "-vserver vs0",
      "required_approvers": 1,
      "create_time": "2022-01-07T22:14:03-05:00",
      "system_defined": false,
      "_links": {
        "self": {
          "href": "/api/security/multi-admin-verify/rules/c109634f-7011-11ec-a23d-005056a78fd5/volume%20delete"
        }
      }
    }
  ]
}
```

Retrieving multi-admin-verify rules

Displays information about multi admin verification rules.

```

# The API:
/api/security/multi-admin-verify/rules

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

# The response:
{
  "records": [
    {
      "owner": {
        "uuid": "52b75787-7011-11ec-a23d-005056a78fd5",
        "name": "cluster1",
        "_links": {
          "self": {
            "href": "/api/svm/svms/52b75787-7011-11ec-a23d-005056a78fd5"
          }
        }
      },
      "operation": "security login password",
      "_links": {
        "self": {
          "href": "/api/security/multi-admin-verify/rules/52b75787-7011-11ec-a23d-005056a78fd5/security%20login%20password"
        }
      }
    },
    {
      "owner": {
        "uuid": "52b75787-7011-11ec-a23d-005056a78fd5",
        "name": "cluster1",
        "_links": {
          "self": {
            "href": "/api/svm/svms/52b75787-7011-11ec-a23d-005056a78fd5"
          }
        }
      },
      "operation": "security login unlock",
      "_links": {
        "self": {
          "href": "/api/security/multi-admin-verify/rules/52b75787-7011-11ec-a23d-005056a78fd5/security%20login%20unlock"
        }
      }
    }
  ]
}

```

```

    "owner": {
      "uuid": "52b75787-7011-11ec-a23d-005056a78fd5",
      "name": "cluster1",
      "_links": {
        "self": {
          "href": "/api/svm/svms/52b75787-7011-11ec-a23d-005056a78fd5"
        }
      }
    },
    "operation": "security multi-admin-verify approval-group create",
    "_links": {
      "self": {
        "href": "/api/security/multi-admin-verify/rules/52b75787-7011-11ec-a23d-005056a78fd5/security%20multi-admin-verify%20approval-group%20create"
      }
    }
  },
  {
    "owner": {
      "uuid": "52b75787-7011-11ec-a23d-005056a78fd5",
      "name": "cluster1",
      "_links": {
        "self": {
          "href": "/api/svm/svms/52b75787-7011-11ec-a23d-005056a78fd5"
        }
      }
    },
    "operation": "security multi-admin-verify approval-group delete",
    "_links": {
      "self": {
        "href": "/api/security/multi-admin-verify/rules/52b75787-7011-11ec-a23d-005056a78fd5/security%20multi-admin-verify%20approval-group%20delete"
      }
    }
  },
  {
    "owner": {
      "uuid": "52b75787-7011-11ec-a23d-005056a78fd5",
      "name": "cluster1",
      "_links": {
        "self": {
          "href": "/api/svm/svms/52b75787-7011-11ec-a23d-005056a78fd5"
        }
      }
    }
  }
}

```

```

    },
    "operation": "security multi-admin-verify approval-group modify",
    "_links": {
      "self": {
        "href": "/api/security/multi-admin-verify/rules/52b75787-7011-11ec-a23d-005056a78fd5/security%20multi-admin-verify%20approval-group%20modify"
      }
    }
  },
  {
    "owner": {
      "uuid": "52b75787-7011-11ec-a23d-005056a78fd5",
      "name": "cluster1",
      "_links": {
        "self": {
          "href": "/api/svm/svms/52b75787-7011-11ec-a23d-005056a78fd5"
        }
      }
    },
    "operation": "security multi-admin-verify approval-group replace",
    "_links": {
      "self": {
        "href": "/api/security/multi-admin-verify/rules/52b75787-7011-11ec-a23d-005056a78fd5/security%20multi-admin-verify%20approval-group%20replace"
      }
    }
  },
  {
    "owner": {
      "uuid": "52b75787-7011-11ec-a23d-005056a78fd5",
      "name": "cluster1",
      "_links": {
        "self": {
          "href": "/api/svm/svms/52b75787-7011-11ec-a23d-005056a78fd5"
        }
      }
    },
    "operation": "security multi-admin-verify modify",
    "_links": {
      "self": {
        "href": "/api/security/multi-admin-verify/rules/52b75787-7011-11ec-a23d-005056a78fd5/security%20multi-admin-verify%20modify"
      }
    }
  }
}

```

```

},
{
  "owner": {
    "uuid": "52b75787-7011-11ec-a23d-005056a78fd5",
    "name": "cluster1",
    "_links": {
      "self": {
        "href": "/api/svm/svms/52b75787-7011-11ec-a23d-005056a78fd5"
      }
    }
  },
  "operation": "security multi-admin-verify rule create",
  "_links": {
    "self": {
      "href": "/api/security/multi-admin-verify/rules/52b75787-7011-11ec-a23d-005056a78fd5/security%20multi-admin-verify%20rule%20create"
    }
  }
},
{
  "owner": {
    "uuid": "52b75787-7011-11ec-a23d-005056a78fd5",
    "name": "cluster1",
    "_links": {
      "self": {
        "href": "/api/svm/svms/52b75787-7011-11ec-a23d-005056a78fd5"
      }
    }
  },
  "operation": "security multi-admin-verify rule delete",
  "_links": {
    "self": {
      "href": "/api/security/multi-admin-verify/rules/52b75787-7011-11ec-a23d-005056a78fd5/security%20multi-admin-verify%20rule%20delete"
    }
  }
},
{
  "owner": {
    "uuid": "52b75787-7011-11ec-a23d-005056a78fd5",
    "name": "cluster1",
    "_links": {
      "self": {
        "href": "/api/svm/svms/52b75787-7011-11ec-a23d-005056a78fd5"
      }
    }
  }
}

```

```

    },
    "operation": "security multi-admin-verify rule modify",
    "_links": {
      "self": {
        "href": "/api/security/multi-admin-verify/rules/52b75787-7011-11ec-a23d-005056a78fd5/security%20multi-admin-verify%20rule%20modify"
      }
    }
  },
  {
    "owner": {
      "uuid": "52b75787-7011-11ec-a23d-005056a78fd5",
      "name": "cluster1",
      "_links": {
        "self": {
          "href": "/api/svm/svms/52b75787-7011-11ec-a23d-005056a78fd5"
        }
      }
    },
    "operation": "volume delete",
    "_links": {
      "self": {
        "href": "/api/security/multi-admin-verify/rules/52b75787-7011-11ec-a23d-005056a78fd5/volume%20delete"
      }
    }
  }
],
"num_records": 11,
"_links": {
  "self": {
    "href": "/api/security/multi-admin-verify/rules"
  }
}
}

```

Retrieve multi-admin-verify rules

GET /security/multi-admin-verify/rules

Introduced In: 9.11

Retrieves multi-admin-verify rules.

Parameters

Name	Type	In	Required	Description
approval_expiry	string	query	False	Filter by approval_expiry
operation	string	query	False	Filter by operation
required_approvers	integer	query	False	Filter by required_approvers
query	string	query	False	Filter by query
execution_expiry	string	query	False	Filter by execution_expiry
system_defined	boolean	query	False	Filter by system_defined
auto_request_create	boolean	query	False	Filter by auto_request_create
approval_groups.name	string	query	False	Filter by approval_groups.name
create_time	string	query	False	Filter by create_time
owner.uuid	string	query	False	Filter by owner.uuid
owner.name	string	query	False	Filter by owner.name
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. • Default value: 1

Name	Type	In	Required	Description
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. • Default value: 15 • Max value: 120 • Min value: 0
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_rule]	

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "approval_expiry": "string",
      "approval_groups": [
        {
          "name": "string"
        }
      ],
      "create_time": "string",
      "execution_expiry": "string",
      "operation": "string",
      "owner": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svml",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      },
      "query": "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
next	href	
self	href	

approval_groups

Name	Type	Description
name	string	Name of the approval group.

_links

Name	Type	Description
self	href	

owner

The owner of the rule. 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_rule

Name	Type	Description
approval_expiry	string	Time for requests to be approved, in ISO-8601 duration format. If not set, the global setting is used.

Name	Type	Description
approval_groups	array[approval_groups]	List of approval groups that are allowed to approve requests for rules that don't have approval groups.
auto_request_create	boolean	When true, ONTAP automatically creates a request for any failed operation where there is no matching pending request. • Default value: • Introduced in: 9.11 • x-nullable: true
create_time	string	
execution_expiry	string	Time for requests to be executed once approved, in ISO-8601 duration format. If not set, the global setting is used.
operation	string	Command that requires one or more approvals.
owner	owner	The owner of the rule. The only valid owner is currently the cluster.
query	string	When specified, this property limits the entries that require approvals to those that match the specified query.
required_approvers	integer	The number of required approvers, excluding the user that made the request.
system_defined	boolean	Specifies whether the rule is system-defined or user-defined.

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 rule

POST /security/multi-admin-verify/rules

Introduced In: 9.11

Creates a multi-admin-verify rule.

Parameters

Name	Type	In	Required	Description
return_records	boolean	query	False	The default is false. If set to true, the records are returned. • Default value:

Request Body

Name	Type	Description
approval_expiry	string	Time for requests to be approved, in ISO-8601 duration format. If not set, the global setting is used.
approval_groups	array[approval_groups]	List of approval groups that are allowed to approve requests for rules that don't have approval groups.

Name	Type	Description
auto_request_create	boolean	When true, ONTAP automatically creates a request for any failed operation where there is no matching pending request. • Default value: 1 • Introduced in: 9.11 • x-nullable: true
create_time	string	
execution_expiry	string	Time for requests to be executed once approved, in ISO-8601 duration format. If not set, the global setting is used.
operation	string	Command that requires one or more approvals.
owner	owner	The owner of the rule. The only valid owner is currently the cluster.
query	string	When specified, this property limits the entries that require approvals to those that match the specified query.
required_approvers	integer	The number of required approvers, excluding the user that made the request.
system_defined	boolean	Specifies whether the rule is system-defined or user-defined.

Example request

```
{
  "approval_expiry": "string",
  "approval_groups": [
    {
      "name": "string"
    }
  ],
  "create_time": "string",
  "execution_expiry": "string",
  "operation": "string",
  "owner": {
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "query": "string"
}
```

Response

Status: 201, Created

Name	Type	Description
num_records	integer	Number of records
records	array[multi_admin_verify_rule]	

Example response

```
{
  "num_records": 1,
  "records": [
    {
      "approval_expiry": "string",
      "approval_groups": [
        {
          "name": "string"
        }
      ],
      "create_time": "string",
      "execution_expiry": "string",
      "operation": "string",
      "owner": {
        "name": "svml",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      },
      "query": "string"
    }
  ]
}
```

Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
262148	The specified command is not recognized.
262308	The specified command is not supported by this feature.
262309	The feature must be enabled first.
262311	Value must be greater than zero.

Error Code	Description
262312	Number of required approvers must be less than the total number of unique approvers in the approval-groups.
262313	Number of unique approvers in the approval-groups must be greater than the number of required approvers.
262314	Some approval-groups were not found.
262316	Value must be in the range two minutes to two weeks.
262326	Failed to parse query.
262335	The query string must be contained in either the "operation" or "query" parameters but not in both.

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

Definitions

See Definitions

approval_groups

Name	Type	Description
name	string	Name of the approval group.

href

Name	Type	Description
href	string	

_links

owner

The owner of the rule. The only valid owner is currently the cluster.

Name	Type	Description
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_rule

Name	Type	Description
approval_expiry	string	Time for requests to be approved, in ISO-8601 duration format. If not set, the global setting is used.
approval_groups	array[approval_groups]	List of approval groups that are allowed to approve requests for rules that don't have approval groups.

Name	Type	Description
auto_request_create	boolean	When true, ONTAP automatically creates a request for any failed operation where there is no matching pending request. • Default value: 1 • Introduced in: 9.11 • x-nullable: true
create_time	string	
execution_expiry	string	Time for requests to be executed once approved, in ISO-8601 duration format. If not set, the global setting is used.
operation	string	Command that requires one or more approvals.
owner	owner	The owner of the rule. The only valid owner is currently the cluster.
query	string	When specified, this property limits the entries that require approvals to those that match the specified query.
required_approvers	integer	The number of required approvers, excluding the user that made the request.
system_defined	boolean	Specifies whether the rule is system-defined or user-defined.

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 © 2026 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.