



# **Manage multi-admin approval groups**

ONTAP 9.12.1 REST API reference

NetApp

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# Manage multi-admin 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.

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### 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
'{"owner.uuid": "c109634f-7011-11ec-a23d-005056a78fd5", "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
name	string	query	False	Filter by name
email	string	query	False	Filter by email
owner.uuid	string	query	False	Filter by owner.uuid
owner.name	string	query	False	Filter by owner.name
approvers	string	query	False	Filter by approvers
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	<p>The default is true for GET calls. When set to false, only the number of records is returned.</p> <ul style="list-style-type: none"><li>• Default value: 1</li></ul>
return_timeout	integer	query	False	<p>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.</p> <ul style="list-style-type: none"><li>• Default value: 1</li><li>• Max value: 120</li><li>• Min value: 0</li></ul>

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	<a href="#">_links</a>	
num_records	integer	Number of records
records	array[ <a href="#">multi_admin_verify_approval_group</a> ]	

## Example response

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

## Error

Status: Default, Error

Name	Type	Description
error	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	<a href="#">href</a>	
self	<a href="#">href</a>	

\_links

Name	Type	Description
self	<a href="#">href</a>	

owner

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

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

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	<a href="#">owner</a>	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

error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	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.  • Default value:

### Request Body

Name	Type	Description
approvers	array[string]	List of users that can approve a request.

Name	Type	Description
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	<a href="#">owner</a>	The owner of the approval group. The only valid owner is currently the cluster.

### Example request

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

### Response

Status: 201, Created

Name	Type	Description
_links	<a href="#">_links</a>	
num_records	integer	Number of records
records	array[ <a href="#">multi_admin_verify_approval_group</a> ]	

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": {
    "approvers": {
    },
    "email": {
    },
    "owner": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "svm1",
      "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.

Name	Type	Description
error	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	<a href="#">href</a>	

owner

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

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

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	<a href="#">owner</a>	The owner of the approval group. The only valid owner is currently the cluster.

\_links

Name	Type	Description
next	<a href="#">href</a>	
self	<a href="#">href</a>	

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.



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