NetApp

Manage a multi-admin-verify approval request

ONTAP 9.13.1 REST API reference

NetApp
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Security multi-admin-verify requests index endpoint overview

Overview

These APIs provide information about a specific multi-admin verification request. If you need to execute a command that is protected by a multi-admin rule, you must first submit a request to be allowed to execute the command. The request must then be approved by the designated approvers according to the rule associated with the command.

Examples

Retrieving a multi-admin-verify request

Retrieves information about a specific multi-admin verification request.

```
# The API:
/api/security/multi-admin-verify/requests/{index}

# The call:
curl -X GET "https://<cluster-ip>/api/security/multi-admin-
verify/requests/1"

# The response:
{
"index": 1,
"operation": "security multi-admin-verify modify",
"query": "",
"state": "expired",
"required_approvers": 1,
"pending_approvers": 1,
"execute_on_approval": false,
"permitted_users": [
  "wenbo"
],
"user_requested": "admin",
"owner": {
  "uuid": "c1483186-6e73-11ec-bc92-005056a7ad04",
  "name": "cluster1",
  "_links": {
    "self": {
      "href": "/api/svm/svms/c1483186-6e73-11ec-bc92-005056a7ad04"
    }
  }
},
"create_time": "2022-01-05T20:07:09-05:00",
"approve_expiry_time": "2022-01-05T21:07:09-05:00",
"_links": {
  "self": {
    "href": "/api/security/multi-admin-verify/requests/1"
  }
}
}
```

Updating a multi-admin-verify request

Updates a specific multi-admin-verify request

```
# The API:
/api/security/multi-admin-verify/requests/{index}

# The call:
curl -X PATCH "https://<cluster-ip>/api/security/multi-admin-
verify/requests/1" -d '{"state": "approved", "execute_on_approval":
false}'
```

Delete a multi-admin-verify request

DELETE /security/multi-admin-verify/requests/{index}

Introduced In: 9.11

Deletes a multi-admin-verify request.

Parameters

Name	Type	In	Required	Description
index	string	path	True	

Response

```
Status: 200, Ok
```

Error

```
Status: Default, Error
```

Name	Type	Description
error	error	

Example error

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

Definitions

See Definitions

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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.

Retrieve a multi-admin-verify request

GET `/security/multi-admin-verify/requests/{index}`

Introduced In: 9.11

Retrieves a multi-admin-verify request.

Parameters

Name	Type	In	Required	Description
index	string	path	True	
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

Name	Type	Description
approve_expiry_time	string	
approve_time	string	
approved_users	array[string]	The users that have approved the request.
comment	string	Optional user-provided comment that is sent to the approval-group email indicating why the request was made.
create_time	string	
execute_on_approval	boolean	Specifies that the operation is executed automatically on final approval.
execution_expiry_time	string	
index	integer	Unique index that represents a request.
operation	string	The command to execute.
owner	owner	The owner of the request. This can identify the cluster or an SVM.
pending_approvers	integer	The number of approvers remaining that are required to approve.

Name	Type	Description
permitted_users	array[string]	List of users that can execute the operation once approved. If not set, any authorized user can perform the operation.
potential_approvers	array[string]	The users that are able to approve the request.
query	string	Identifies the specific entry upon which the user wants to operate.
required_approvers	integer	The number of required approvers, excluding the user that made the request.
state	string	The state of the request. PATCH supports approved and vetoed. The state only changes after setting to approved once no more approvers are required.
user_requested	string	The user that created the request. Automatically set by ONTAP. • readOnly: 1 • Introduced in: 9.11 • x-nullable: true
user_vetoed	string	The user that vetoed the request.

Example response

```
{
  "approve_expiry_time": "string",
  "approve_time": "string",
  "approved_users": {
  },
  "comment": "string",
  "create_time": "string",
  "execution_expiry_time": "string",
  "index": 0,
  "owner": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "pending_approvers": 0,
  "permitted_users": {
  },
  "potential_approvers": {
  },
  "required_approvers": 0,
  "state": "pending",
  "user_requested": "string",
  "user_vetoed": "string"
}
```

Error

```
Status: Default, Error
```

Name	Type	Description
error	error	

Example error

```json
{
  "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 request. This can identify the cluster or an SVM.

Name	Type	Description
_links	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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 a multi-admin-verify request

PATCH /security/multi-admin-verify/requests/{index}

Introduced In: 9.11

Updates a multi-admin-verify request.

Parameters

Name	Type	In	Required	Description
index	string	path	True	

Request Body

Name	Type	Description
approve_expiry_time	string	
approve_time	string	
approved_users	array[string]	The users that have approved the request.
comment	string	Optional user-provided comment that is sent to the approval-group email indicating why the request was made.
create_time	string	
execute_on_approval	boolean	Specifies that the operation is executed automatically on final approval.
execution_expiry_time	string	
index	integer	Unique index that represents a request.
operation	string	The command to execute.
owner	owner	The owner of the request. This can identify the cluster or an SVM.
pending_approvers	integer	The number of approvers remaining that are required to approve.

Name	Type	Description
permitted_users	array[string]	List of users that can execute the operation once approved. If not set, any authorized user can perform the operation.
potential_approvers	array[string]	The users that are able to approve the request.
query	string	Identifies the specific entry upon which the user wants to operate.
required_approvers	integer	The number of required approvers, excluding the user that made the request.
state	string	The state of the request. PATCH supports approved and vetoed. The state only changes after setting to approved once no more approvers are required.
user_requested	string	The user that created the request. Automatically set by ONTAP. • readOnly: 1 • Introduced in: 9.11 • x-nullable: true
user_vetoed	string	The user that vetoed the request.

Example request

```json
{
  "approve_expiry_time": "string",
  "approve_time": "string",
  "approved_users": {
  },
  "comment": "string",
  "create_time": "string",
  "execution_expiry_time": "string",
  "index": 0,
  "owner": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "pending_approvers": 0,
  "permitted_users": {
  },
  "potential_approvers": {
  },
  "required_approvers": 0,
  "state": "pending",
  "user_requested": "string",
  "user_vetoed": "string"
}
```

Response

```
Status: 200, Ok
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
262309	The feature must be enabled first.
262329	Invalid state for PATCH.

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	href	

owner

The owner of the request. This can identify the cluster or an SVM.

Name	Type	Description
_links	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

multi_admin_verify_request

Name	Type	Description
approve_expiry_time	string	
approve_time	string	
approved_users	array[string]	The users that have approved the request.
comment	string	Optional user-provided comment that is sent to the approval-group email indicating why the request was made.
create_time	string	
execute_on_approval	boolean	Specifies that the operation is executed automatically on final approval.
execution_expiry_time	string	
index	integer	Unique index that represents a request.

Name	Type	Description
operation	string	The command to execute.
owner	owner	The owner of the request. This can identify the cluster or an SVM.
pending_approvers	integer	The number of approvers remaining that are required to approve.
permitted_users	array[string]	List of users that can execute the operation once approved. If not set, any authorized user can perform the operation.
potential_approvers	array[string]	The users that are able to approve the request.
query	string	Identifies the specific entry upon which the user wants to operate.
required_approvers	integer	The number of required approvers, excluding the user that made the request.
state	string	The state of the request. PATCH supports approved and vetoed. The state only changes after setting to approved once no more approvers are required.
user_requested	string	The user that created the request. Automatically set by ONTAP. • readOnly: 1 • Introduced in: 9.11 • x-nullable: true
user_vetoed	string	The user that vetoed the request.

error_arguments

Name	Type	Description
code	string	Argument code

Name	Type	Description
message	string	Message argument

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.