Manage a multi-admin-verify rule

ONTAP 9.14.1 REST API reference

NetApp
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Security multi-admin-verify rules owner.uuid operation endpoint overview

Overview

These APIs provide information about a specific multi-admin verification rule. 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

Retrieving a multi-admin-verify rule

Displays information about a specific multi admin verification rule.

```
# The API:
/api/security/multi-admin-verify/rules/{owner.uuid}/{operation}

# The call:
curl -X GET "https://<cluster-ip>/api/security/multi-admin-
verify/rules/52b75787-7011-11ec-a23d-005056a78fd5/volume+delete"

# The response:
{
"owner": {
   "uuid": "52b75787-7011-11ec-a23d-005056a78fd5",
   "name": "cluster1",
   "_links": {
     "self": {
       "href": "/api/svm/svms/52b75787-7011-11ec-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/52b75787-7011-11ec-
a23d-005056a78fd5/volume+delete"
  }
}
}
```

Updating a multi-admin-verify rule

Modifies the attributes of the rule.

```
# The API:
/api/security/multi-admin-verify/rules/{owner.uuid}/{operation}

# The call:
curl -X PATCH "https://<cluster-ip>/api/security/multi-admin-
verify/rules/52b75787-7011-11ec-a23d-005056a78fd5/volume+delete" -d
'{"required_approvers": 1}'
```

Deleting a multi-admin-verify rule

Deletes the specified approval group.

```
# The API:
/api/security/multi-admin-verify/rules/{owner.uuid}/{operation}

# The call:
curl -X DELETE "https://<cluster-ip>/api/security/multi-admin-
verify/rules/52b75787-7011-11ec-a23d-005056a78fd5/volume+delete"
```

Delete a multi-admin-verify rule

DELETE /security/multi-admin-verify/rules/{owner.uuid}/{operation}

Introduced In: 9.11

Deletes a multi-admin-verify rule.

Parameters

Name	Type	In	Required	Description
owner.uuid	string	path	True	
operation	string	path	True	

Response

```
Status: 200, Ok
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
262310	System rules cannot be deleted or have their query modified.

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

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.

Retrieve a multi-admin-verify rule

GET /security/multi-admin-verify/rules/{owner.uuid}/{operation}

Introduced In: 9.11

Retrieves a multi-admin-verify rule.

Parameters

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

Response

Status: 200, Ok

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.
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 response

```
{
  "approval_groups": {
  },
  "create_time": "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

approval_groups

Name	Type	Description
name	string	Name of the approval group.

href

Name	Type	Description
href	string	

_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 PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments

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

Update a multi-admin-verify rule

PATCH `/security/multi-admin-verify/rules/{owner.uuid}/{operation}`

Introduced In: 9.11

Updates a multi-admin-verify rule.

Parameters

Name	Type	In	Required	Description
owner.uuid	string	path	True	
operation	string	path	True	

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.
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	

Name	Type	Description
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

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

Response

```
Status: 200, Ok
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
262310	System rules cannot be deleted or have their query modified.
262311	Value must be greater than zero.
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.
262316	Value must be in the range one second to two weeks.

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

approval_groups

Name	Type	Description
name	string	Name of the approval group.

href

Name	Type	Description
href	string	

_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 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.

Name	Type	Description
	array[error_arguments]	