



Manage external-role-mapping entries

ONTAP REST API reference

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Manage external-role-mapping entries

Security external-role-mappings endpoint overview

Overview

This API is used to map external identity provider roles to ONTAP roles. The POST request creates an external role to ONTAP role mapping. Various responses are shown in the examples below.

Examples

Creating an external role to ONTAP role mapping entry

The following output shows how to create an external role to ONTAP role mapping entry.

```
# The API
/api/security/external-role-mappings

# The call:
curl -X POST "https://<mgmt-ip>/api/security/external-role-mappings" -d '{
"external_role": "Administrator", "ontap_role": { "name": "admin" },
"provider": "adfs", "comment": "Admin role" }'
```

Retrieving all external role to ONTAP role mapping entries

The following output shows all external role to ONTAP role mapping entries.

```
# The API
/api/security/external-role-mappings

# The call:
curl -X GET "https://<mgmt-ip>/api/security/external-role-mappings"

# The response:
{
  "records": [
    {
      "external_role": "Administrator",
      "provider": "adfs"
    }
  ],
  "num_records": 1
}
```

Retrieve all external-role-mapping entries

GET /security/external-role-mappings

Introduced In: 9.16

Retrieves all external-role-mapping entries.

Related ONTAP commands

- `security login external-role-mapping show`

Parameters

Name	Type	In	Required	Description
timestamp	string	query	False	Filter by timestamp
external_role	string	query	False	Filter by external_role
comment	string	query	False	Filter by comment
provider	string	query	False	Filter by provider
ontap_role.name	string	query	False	Filter by ontap_role.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. <ul style="list-style-type: none">• Default value: 1

Name	Type	In	Required	Description
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"> • Default value: 1 • 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	collection_links	
num_records	integer	Number of records.
records	array[security_external_role_mapping]	

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "comment": "string",
      "external_role": "string",
      "ontap_role": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "admin"
      },
      "provider": "string",
      "timestamp": "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	

collection_links

Name	Type	Description
next	href	
self	href	

self_link

Name	Type	Description
self	href	

_links

Name	Type	Description
self	href	

ontap_role

ONTAP role to map with the external identity role.

Name	Type	Description
_links	_links	
name	string	Role name

security_external_role_mapping

Name	Type	Description
_links	self_link	
comment	string	Any comment regarding this external-role-mapping entry.
external_role	string	External Identity provider role.
ontap_role	ontap_role	ONTAP role to map with the external identity role. <ul style="list-style-type: none">• Introduced in: 9.16

Name	Type	Description
provider	string	Type of the external identity provider.
timestamp	string	Date and time indicating when this external-role-mapping entry was created.

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 an external-role-mapping entry

POST /security/external-role-mappings

Introduced In: 9.16

Creates an external-role-mapping entry.

Required properties

- external_role
- provider
- ontap_role

Optional properties

- comment

Related ONTAP commands

- security login external-role-mapping create

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
_links	self_link	
comment	string	Any comment regarding this external-role-mapping entry.
external_role	string	External Identity provider role.
ontap_role	ontap_role	ONTAP role to map with the external identity role. <ul style="list-style-type: none">• Introduced in: 9.16
provider	string	Type of the external identity provider.
timestamp	string	Date and time indicating when this external-role-mapping entry was created.

Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "comment": "string",
  "external_role": "string",
  "ontap_role": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    }
  },
  "name": "admin"
},
"provider": "string",
"timestamp": "string"
}
```

Response

Status: 201, Created

Name	Type	Description
_links	collection_links	
num_records	integer	Number of records.
records	array[security_external_role_mapping]	

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "comment": "string",
      "external_role": "string",
      "ontap_role": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "admin"
      },
      "provider": "string",
      "timestamp": "string"
    }
  ]
}
```

Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
5636243	Provided ONTAP role is not configured.

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	

self_link

Name	Type	Description
self	href	

_links

Name	Type	Description
self	href	

ontap_role

ONTAP role to map with the external identity role.

Name	Type	Description
_links	_links	
name	string	Role name

security_external_role_mapping

Name	Type	Description
_links	self_link	
comment	string	Any comment regarding this external-role-mapping entry.
external_role	string	External Identity provider role.
ontap_role	ontap_role	ONTAP role to map with the external identity role. <ul style="list-style-type: none">• Introduced in: 9.16
provider	string	Type of the external identity provider.
timestamp	string	Date and time indicating when this external-role-mapping entry was created.

collection_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.

Delete an external-role-mapping entry

DELETE /security/external-role-mappings/{external_role}/{provider}

Introduced In: 9.16

Deletes an external-role-mapping entry.

Related ONTAP commands

- `security login external-role-mapping delete`

Parameters

Name	Type	In	Required	Description
external_role	string	path	True	
provider	string	path	True	

Response

Status: 200, Ok

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

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 an external-role-mapping entry

GET /security/external-role-mappings/{external_role}/{provider}

Introduced In: 9.16

Retrieves an external-role-mapping entry.

Related ONTAP commands

- `security login external-role-mapping show`

Parameters

Name	Type	In	Required	Description
external_role	string	path	True	External Identity provider role.
provider	string	path	True	Type of the external identity provider.
fields	array[string]	query	False	Specify the fields to return.

Response

Status: 200, Ok

Name	Type	Description
_links	self_link	
comment	string	Any comment regarding this external-role-mapping entry.
external_role	string	External Identity provider role.
ontap_role	ontap_role	ONTAP role to map with the external identity role. <ul style="list-style-type: none">• Introduced in: 9.16
provider	string	Type of the external identity provider.
timestamp	string	Date and time indicating when this external-role-mapping entry was created.

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "comment": "string",
  "external_role": "string",
  "ontap_role": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    }
  },
  "name": "admin"
},
"provider": "string",
"timestamp": "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	

self_link

Name	Type	Description
self	href	

_links

Name	Type	Description
self	href	

ontap_role

ONTAP role to map with the external identity role.

Name	Type	Description
_links	_links	
name	string	Role name

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.

Update an external-role-mapping entry

PATCH /security/external-role-mappings/{external_role}/{provider}

Introduced In: 9.16

Updates an external-role-mapping entry.

Related ONTAP commands

- `security login external-role-mapping modify`

Parameters

Name	Type	In	Required	Description
external_role	string	path	True	External Identity provider role.
provider	string	path	True	Type of the external identity provider.
fields	array[string]	query	False	Specify the fields to return.

Request Body

Name	Type	Description
_links	self_link	
comment	string	Any comment regarding this external-role-mapping entry.
external_role	string	External Identity provider role.
ontap_role	ontap_role	ONTAP role to map with the external identity role. <ul style="list-style-type: none">• Introduced in: 9.16
provider	string	Type of the external identity provider.
timestamp	string	Date and time indicating when this external-role-mapping entry was created.

Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "comment": "string",
  "external_role": "string",
  "ontap_role": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    }
  },
  "name": "admin"
},
"provider": "string",
"timestamp": "string"
}
```

Response

Status: 200, Ok

Name	Type	Description
<code>_links</code>	<code>self_link</code>	
<code>comment</code>	string	Any comment regarding this external-role-mapping entry.
<code>external_role</code>	string	External Identity provider role.
<code>ontap_role</code>	<code>ontap_role</code>	ONTAP role to map with the external identity role. <ul style="list-style-type: none">• Introduced in: 9.16
<code>provider</code>	string	Type of the external identity provider.

Name	Type	Description
timestamp	string	Date and time indicating when this external-role-mapping entry was created.

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "comment": "string",
  "external_role": "string",
  "ontap_role": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    }
  },
  "name": "admin"
},
"provider": "string",
"timestamp": "string"
}
```

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
5636243	Provided ONTAP role is not configured.

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	

self_link

Name	Type	Description
self	href	

_links

Name	Type	Description
self	href	

ontap_role

ONTAP role to map with the external identity role.

Name	Type	Description
_links	_links	
name	string	Role name

security_external_role_mapping

Name	Type	Description
_links	self_link	
comment	string	Any comment regarding this external-role-mapping entry.
external_role	string	External Identity provider role.
ontap_role	ontap_role	ONTAP role to map with the external identity role. <ul style="list-style-type: none">• Introduced in: 9.16
provider	string	Type of the external identity provider.
timestamp	string	Date and time indicating when this external-role-mapping entry was created.

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.

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