



View and create EMS role-based configurations

REST API reference

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View and create EMS role-based configurations

View and create EMS role-based configurations

Overview

Manages the list of access control roles that have limited access to the EMS events and configurations. Access to the EMS events and configurations are controlled by the EMS role-based configuration, which has the following two properties:

- event_filter
- limit_access_to_global_configs

Role-based event filter

A role-based event filter is a filter assigned to an access control role that limits what events users of that role have access to. It is applied transparently when a user of that role performs GET requests on the following endpoints:

- /support/ems/events
- /support/ems/messages

It is also applied when events are forwarded as notifications to destinations created by users of that role. To those destinations, only events that match the role-based filter in addition to the filters configured on the destinations are forwarded.

Limits access to the global EMS configurations

The APIs at the /api/support/ems endpoint expose several configuration properties that affect how EMS handles events. The following properties are always accessible by all roles that have access to the /api/support/ems APIs.

- mail_from
- mail_server
- mail_server_user
- mail_server_password
- proxy_url
- proxy_user
- proxy_password

Access to the following property by an access control role can be restricted:

- pubsub_enabled

Limiting access to EMS events and configurations is typically applied for an access control role that is designed to have limited administrative capabilities. For example, when the cluster is physically managed by a service provider and the services are managed by the customer.

Examples

Retrieving the list of EMS role-based configurations

```
# The API:  
GET /api/support/ems/role-configs  
  
# The call:  
curl -X GET "https://<mgmt-ip>/api/support/ems/role-configs" -H "accept: application/hal+json"  
  
# The response:  
200 OK  
  
# JSON Body  
{  
  "records": [  
    {  
      "access_control_role": {  
        "name": "storage-admin",  
        "_links": {  
          "self": {  
            "href": "/api/security/roles/0b2580c8-de36-4213-bfca-88cdcaaaf3ae6/storage-admin"  
          }  
        }  
      },  
      "event_filter": {  
        "name": "storage-admin-events",  
        "_links": {  
          "self": {  
            "href": "/api/support/ems/filters/storage-admin-events"  
          }  
        }  
      },  
      "limit_access_to_global_configs": true,  
      "_links": {  
        "self": {  
          "href": "/api/support/ems/role-configs/storage-admin"  
        }  
      }  
    },  
    {  
      "access_control_role": {  
        "name": "network-admin",  
        "_links": {  
          "self": {  
            "href": "/api/support/ems/role-configs/network-admin"  
          }  
        }  
      }  
    }  
  ]  
}
```

```

    "self": {
      "href": "/api/security/roles/0b2580c8-de36-4213-bfca-
88cdcaaaf3ae6/network-admin"
    }
  }
},
"filter_filter": {
  "name": "network-admin-events",
  "_links": {
    "self": {
      "href": "/api/support/ems/filters/network-admin-events"
    }
  }
},
"limit_access_to_global_configs": true,
"_links": {
  "self": {
    "href": "/api/support/ems/role-configs/network-admin"
  }
}
}
],
"num_records": 2,
"_links": {
  "self": {
    "href": "/api/support/ems/role-configs"
  }
}
}
}

```

Creating an EMS role-based configuration for an access control role

```

# The API:
POST /api/support/ems/role-configs

# The call:
curl -X POST "https://<mgmt-ip>/api/support/ems/role-configs" -H "accept: application/hal+json" -H "Content-Type: application/json" -d "@role_configs_post.txt"
role_configs_post.txt(body) :
{
  "access_control_role": {
    "name": "storage-admin"
  },
  "event_filter": {
    "name": "storage-admin-events"
  },
  "limit_access_to_global_configs": true
}

# The response:
201 Created

```

Retrieve EMS role-based configurations

GET /support/ems/role-configs

Introduced In: 9.13

Retrieves a collection of the EMS role-based configurations.

Related ONTAP commands

- `event role-config show`

Parameters

| Name | Type | In | Required | Description |
|---|---------|-------|----------|---|
| <code>event_filter.name</code> | string | query | False | Filter by <code>event_filter.name</code> |
| <code>limit_access_to_global_configs</code> | boolean | query | False | Filter by <code>limit_access_to_global_configs</code> |

| Name | Type | In | Required | Description |
|--------------------------|---------------|-------|----------|---|
| access_control_role_name | string | query | False | Filter by access_control_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 | <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"> Default value: 1 |
| 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: 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[records] | |

Example response

```
{  
  "_links": {  
    "next": {  
      "href": "/api/resourcelink"  
    },  
    "self": {  
      "href": "/api/resourcelink"  
    }  
  },  
  "num_records": 1,  
  "records": [  
    {  
      "_links": {  
        "self": {  
          "href": "/api/resourcelink"  
        }  
      },  
      "access_control_role": {  
        "_links": {  
          "self": {  
            "href": "/api/resourcelink"  
          }  
        }  
      },  
      "name": "admin"  
    },  
    "event_filter": {  
      "_links": {  
        "self": {  
          "href": "/api/resourcelink"  
        }  
      },  
      "name": "important-events"  
    }  
  ]  
}
```

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 | |

_links

| Name | Type | Description |
|------|------|-------------|
| self | href | |

access_control_role

Access control role that the event filter is assigned to.

| Name | Type | Description |
|--------|--------|-------------|
| _links | _links | |
| name | string | Role name |

event_filter

Event filter that is assigned to the access control role.

| Name | Type | Description |
|--------|--------|-------------|
| _links | _links | |
| name | string | |

records

| Name | Type | Description |
|---------------------|---------------------|---|
| _links | _links | |
| access_control_role | access_control_role | Access control role that the event filter is assigned to. |
| event_filter | event_filter | Event filter that is assigned to the access control role. |

| Name | Type | Description |
|--------------------------------|---------|---|
| limit_access_to_global_configs | boolean | Indicates whether the access control has limited access to global EMS configurations. |

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 EMS role-based configuration for an access control role

POST /support/ems/role-configs

Introduced In: 9.13

Creates an EMS role-based configuration for an access control role.

Required properties

- access_control_role - Uniquely identifies the access control role.

Recommended optional properties

- event_filter - Identifies the event filter.
- limit_access_to_global_configs - Indicates whether the access control role has limited access to global EMS configurations.

Related ONTAP commands

- `event role-config create`

Parameters

| Name | Type | In | Required | Description |
|----------------|---------|-------|----------|---|
| return_records | boolean | query | False | <p>The default is false. If set to true, the records are returned.</p> <ul style="list-style-type: none">• Default value: |

Request Body

| Name | Type | Description |
|--------------------------------|-------------------------------------|---|
| access_control_role | access_control_role | Access control role that the event filter is assigned to. |
| event_filter | event_filter | Event filter that is assigned to the access control role. |
| limit_access_to_global_configs | boolean | Indicates whether the access control has limited access to global EMS configurations. |

Example request

```
{  
  "access_control_role": {  
    "name": "admin"  
  },  
  "event_filter": {  
    "name": "important-events"  
  }  
}
```

Response

```
Status: 201, Created
```

| Name | Type | Description |
|-------------|----------------|-------------------|
| num_records | integer | Number of records |
| records | array[records] | |

Example response

```
{
  "num_records": 1,
  "records": [
    {
      "access_control_role": {
        "name": "admin"
      },
      "event_filter": {
        "name": "important-events"
      }
    }
  ]
}
```

Headers

| Name | Description | Type |
|----------|---|--------|
| Location | Useful for tracking the resource location | string |

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|--|
| 983198 | The event filter provided does not exist. |
| 983199 | The access control role provided does not exist. |

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

Definitions

See Definitions

href

| Name | Type | Description |
|------|--------|-------------|
| href | string | |

_links

access_control_role

Access control role that the event filter is assigned to.

| Name | Type | Description |
|------|--------|-------------|
| name | string | Role name |

event_filter

Event filter that is assigned to the access control role.

| Name | Type | Description |
|------|--------|-------------|
| name | string | |

ems_role_config

| Name | Type | Description |
|--------------------------------|---------------------|---|
| access_control_role | access_control_role | Access control role that the event filter is assigned to. |
| event_filter | event_filter | Event filter that is assigned to the access control role. |
| limit_access_to_global_configs | boolean | Indicates whether the access control has limited access to global EMS configurations. |

records

| Name | Type | Description |
|---------------------|---------------------|---|
| access_control_role | access_control_role | Access control role that the event filter is assigned to. |
| event_filter | event_filter | Event filter that is assigned to the access control role. |

| Name | Type | Description |
|--------------------------------|---------|---|
| limit_access_to_global_configs | boolean | Indicates whether the access control has limited access to global EMS configurations. |

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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