



Manage EMS configuration

REST API reference

NetApp

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Manage EMS configuration

Manage EMS configuration

Overview

The Event Management System (EMS) collects and processes events, and sends notification of the events through various reporting mechanisms. The following endpoints defined under '/support/ems', allow you to query a list of observed events, and configure which events you handle and how you are notified:

- /support/ems
- /support/ems/events
- /support/ems/messages
- /support/ems/filters
- /support/ems/filters/{name}/rules
- /support/ems/filters/{name}/rules/{index}
- /support/ems/destinations
- /support/ems/destinations/{name}

Examples

Configuring an email destination

The following example configures EMS to send a support email when a WAFL event is observed with an error severity.

Configure the system-wide email parameters

```
# API
PATCH /support/ems

# JSON Body
{
  "mail_from": "administrator@mycompany.com",
  "mail_server": "smtp@mycompany.com"
}

# Response
200 OK
```

Configuring a filter with an enclosed rule

```
# API
POST /support/ems/filters

# JSON Body
{
  "name": "critical-wafl",
  "rules": [
    {
      "index": 1,
      "type": "include",
      "message_criteria": {
        "name_pattern": "wafl.*",
        "severities": "emergency,error,alert"
      }
    }
  ]
}

# Response
201 Created
```

Setting up an email destination

```
# API
POST /support/ems/destinations

# JSON Body
{
  "name": "Technician_Email",
  "type": "email",
  "destination": "technician@mycompany.com",
  "filters": [
    { "name" : "critical-wafl" }
  ]
}

# Response
201 Created
```

Retrieves the ems configuration

related ontap commands

- event config show

GET /support/ems

Retrieves the EMS configuration.

Related ONTAP commands

- `event config show`

Parameters

| Name | Type | In | Required | Description |
|--|---------------|---------------|----------|--|
| 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. |
| return_timeout | integer | query | False | 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. |
| order_by | array[string] | query | False | Order results by specified fields and optional [asc |
| desc] direction. Default direction is 'asc' for ascending. | fields | array[string] | query | False |

Response

Status: 200, Ok

| Name | Type | Description |
|--------|------------------------|-------------|
| _links | _links | |

| Name | Type | Description |
|----------------|--------|--------------------------------|
| mail_from | string | Mail from |
| mail_server | string | Mail server (SMTP) |
| proxy_password | string | Password for HTTP/HTTPS proxy |
| proxy_url | string | HTTP/HTTPS proxy URL |
| proxy_user | string | User name for HTTP/HTTPS proxy |

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "mail_from": "<a href=
mailto:administrator@mycompany.com>administrator@mycompany.com</a>",
  "mail_server": "<a href=
mailto:mail@mycompany.com>mail@mycompany.com</a>",
  "proxy_password": "password",
  "proxy_url": "https://proxyserver.mycompany.com",
  "proxy_user": "proxy_user"
}
```

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 |
|------|----------------------|-------------|
| self | href | |

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. |

Updates the ems configuration

related ontap commands

- `event config modify`

PATCH /support/ems

Updates the EMS configuration.

Related ONTAP commands

- `event config modify`

Parameters

| Name | Type | In | Required | Description |
|----------------|---------|-------|----------|---|
| return_records | boolean | query | False | The default is false. If set to true, the records are returned. |

Request Body

| Name | Type | Description |
|----------------|------------------------|--------------------------------|
| _links | _links | |
| mail_from | string | Mail from |
| mail_server | string | Mail server (SMTP) |
| proxy_password | string | Password for HTTP/HTTPS proxy |
| proxy_url | string | HTTP/HTTPS proxy URL |
| proxy_user | string | User name for HTTP/HTTPS proxy |

Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "mail_from": "<a href="
mailto:administrator@mycompany.com">administrator@mycompany.com</a>",
  "mail_server": "<a href="
mailto:mail@mycompany.com">mail@mycompany.com</a>",
  "proxy_password": "password",
  "proxy_url": "https://proxyserver.mycompany.com",
  "proxy_user": "proxy_user"
}
```

Response

Status: 200, Ok

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|--|
| 983123 | The validation of the mail server provided failed |
| 983136 | The proxy URL cannot contain a username or password |
| 983137 | The proxy URL provided is invalid |
| 983139 | The IPv6 proxy URL provided is invalid |
| 983140 | The proxy URL provided contains an invalid scheme. Supported schemes are 'http' or 'https' |

| 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 | |

ems_config

| Name | Type | Description |
|----------------|------------------------|--------------------------------|
| _links | _links | |
| mail_from | string | Mail from |
| mail_server | string | Mail server (SMTP) |
| proxy_password | string | Password for HTTP/HTTPS proxy |
| proxy_url | string | HTTP/HTTPS proxy URL |
| proxy_user | string | User name for HTTP/HTTPS proxy |

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 |

| Name | Type | Description |
|--------|--------|---|
| target | string | The target parameter that caused the error. |

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