



Manage EMS configuration

ONTAP 9.8 REST API reference

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Manage EMS configuration

Support EMS endpoint overview

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
```

Retrieve an EMS configuration

GET /support/ems

Introduced In: 9.6

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. <ul style="list-style-type: none">• Default value: 1
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. <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
desc] direction. Default direction is 'asc' for ascending.	fields	array[string]	query	False

Response

Status: 200, Ok

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
pubsub_enabled	boolean	Is Publish/Subscribe Messaging Enabled?

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",
  "pubsub_enabled": 1
}
```

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.

Update an EMS configuration

PATCH `/support/ems`

Introduced In: 9.6

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. • Default value:

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
pubsub_enabled	boolean	Is Publish/Subscribe Messaging Enabled?

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",
  "pubsub_enabled": 1
}

```

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
pubsub_enabled	boolean	Is Publish/Subscribe Messaging Enabled?

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

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

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