



Manage application logs

ONTAP 9.12.1 REST API reference

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Table of Contents

- Manage application logs. 1
- Support EMS application-logs endpoint overview 1
- Create an application log 3

Manage application logs

Support EMS application-logs endpoint overview

Overview

A POST request allows a standalone application to log its events on the ONTAP system as EMS events and optionally generate AutoSupports. This event information is encapsulated in an `app.log.x` event, or `callhome.client.app.x` event in case AutoSupport generation is required, based on the event's severity.



This API only supports POST. Generated events can be retrieved using the `/api/support/ems/events` API.

Examples

Creating a new `app.log.*` event

The following example generates an `app.log.error` event.

```
# The API:
POST /api/support/ems/application-logs

# The call:
curl -X POST "https://<mgmt-ip>/api/support/ems/application-logs" -H
"accept: application/hal+json" -H "Content-Type: application/json" -d "{
\"computer_name\": \"W12-R2-DC\", \"event_source\": \"SnapCenter
Software\", \"app_version\": \"3.0.0.2373\", \"event_id\": 10001,
\"category\": \"error\", \"event_description\": \"Clone split job
failed\", \"severity\": \"error\", \"autosupport_required\": false}"

# The response:
201 CREATED
{}
```

Retrieving a list of events generated by this API

The following example retrieves all `app.log.*` events.

```

# The API:
GET /api/support/ems/events

# The call:
curl -X GET "https://<mgmt-
ip>/api/support/ems/events?message.name=app.log.*" -H "accept:
application/hal+json"

# The response:
200 OK
{
"records": [
  {
    "node": {
      "name": "node1",
      "uuid": "d96d5d8d-118a-11ec-aad8-005056bb974c",
      "_links": {
        "self": {
          "href": "/api/cluster/nodes/d96d5d8d-118a-11ec-aad8-
005056bb974c"
        }
      }
    },
    "index": 7865,
    "time": "2021-09-17T09:36:28-04:00",
    "message": {
      "severity": "emergency",
      "name": "app.log.emerg"
    },
    "log_message": "app.log.emerg: iMac: iPad ipad3: (10001) handheld:
TestLine1",
    "_links": {
      "self": {
        "href": "/api/support/ems/events/node1/7865"
      }
    }
  }
],
"num_records": 1,
"_links": {
  "self": {
    "href": "/api/support/ems/events?message.name=app.log.*"
  }
}
}

```

Create an application log

POST /support/ems/application-logs

Introduced In: 9.11

Creates an app.log.* event. Setting the "autosupport_required" flag causes callhome.client.app.* events also to be generated, which in turn triggers AutoSupports.

Required properties

- `computer_name` - Client computer connected to the cluster.
- `event_source` - Client application that generated this event.
- `app_version` - Client application version.
- `event_id` - Application eventID.
- `category` - Event category.
- `event_description` - Event description.
- `severity` - Severity of the event.
- `autosupport_required` - Indicates whether AutoSupport generation is required.

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
app_version	string	Client application version.
autosupport_required	boolean	Indicates whether AutoSupport generation is required.
category	string	Event category.
computer_name	string	Client computer connected to the cluster.

Name	Type	Description
event_description	string	Event description, which corresponds to the subject parameter in the generated event.
event_id	integer	Application eventID.
event_source	string	Client application that generated this event.
severity	string	Severity

Example request

```
{
  "app_version": "3.0.0.2373",
  "autosupport_required": "",
  "category": "Error",
  "computer_name": "W12-R2-DC",
  "event_description": "Clone split job failed",
  "event_id": 10001,
  "event_source": "SnapCenter Software",
  "severity": "error"
}
```

Response

Status: 201, Created

Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
983146	Invalid value specified for the field "severity".
983173	Application log event generation failed.

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

ems_application_log

Input for generation of app.log.x and callhome.client.app.x events.

Name	Type	Description
app_version	string	Client application version.
autosupport_required	boolean	Indicates whether AutoSupport generation is required.
category	string	Event category.
computer_name	string	Client computer connected to the cluster.
event_description	string	Event description, which corresponds to the subject parameter in the generated event.
event_id	integer	Application eventID.
event_source	string	Client application that generated this event.
severity	string	Severity

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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