



## Retrieve events

### ONTAP 9.9.1 REST API reference

NetApp  
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# Retrieve events

## Support EMS events endpoint overview

### Overview

Queries a live collection of observed events on the system. Note: The `filter.name` parameter is used to pass a filter to be applied to the event collection returned. To retrieve the list of available filters, refer to </support/ems/filters>

### Example

Querying for the latest event received by EMS

```

# API
GET /api/support/ems/events?fields=message.name&max_records=1

# Response
200 OK

# JSON Body
{
  "records": [
    {
      "node": {
        "name": "node1",
        "uuid": "f087b8e3-99ac-11e8-b5a5-005056bb4ec7",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/f087b8e3-99ac-11e8-b5a5-005056bb4ec7"
          }
        }
      },
      "index": 661,
      "message": {
        "name": "raid.aggr.log.CP.count"
      },
      "_links": {
        "self": {
          "href": "/api/support/ems/events/node1/661"
        }
      }
    }
  ],
  "num_records": 1,
  "_links": {
    "self": {
      "href": "/api/support/ems/events?fields=message.name&max_records=1"
    }
  }
}

```

## Retrieve observed events

GET /support/ems/events

**Introduced In:** 9.6

Retrieves a collection of observed events.

## Related ONTAP commands

- `event log show`

## Parameters

Name	Type	In	Required	Description
node.name	string	query	False	Filter by node.name
node.uuid	string	query	False	Filter by node.uuid
message.severity	string	query	False	Filter by message.severity
message.name	string	query	False	Filter by message.name
time	string	query	False	Filter by time
log_message	string	query	False	Filter by log_message
index	integer	query	False	Filter by index
parameters.name	string	query	False	Filter by parameters.name
parameters.value	string	query	False	Filter by parameters.value
source	string	query	False	Filter by source
filter.name	string	query	False	Filter the collection returned using an event filter  • Introduced in: 9.8
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.

Name	Type	In	Required	Description
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"> <li>• Default value: 1</li> </ul>
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"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul>
order_by	array[string]	query	False	Order results by specified fields and optional [asc

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">_links</a>	
num_records	integer	Number of records
records	array[ <a href="#">records</a> ]	

**Example response**

A large, empty rectangular box with a thin, dashed border, occupying most of the page. It is intended for an example response.

```

{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": "3",
  "records": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "index": "1",
    "log_message": "string",
    "message": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "callhome.spares.low",
      "severity": "emergency"
    },
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "parameters": {
      "name": "numOps",
      "value": "123"
    },
    "source": "string",
    "time": "string"
  }
}

```



## 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
next	<a href="#">href</a>	
self	<a href="#">href</a>	

\_links

Name	Type	Description
self	<a href="#">href</a>	

message

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	Message name of the event. Returned by default.
severity	string	Severity of the event. Returned by default.

node

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

parameters

Name	Type	Description
name	string	Name of parameter
value	string	Value of parameter

records

Name	Type	Description
<code>_links</code>	<a href="#">_links</a>	
<code>index</code>	integer	Index of the event. Returned by default.
<code>log_message</code>	string	A formatted text string populated with parameter details. Returned by default.
<code>message</code>	<a href="#">message</a>	
<code>node</code>	<a href="#">node</a>	
<code>parameters</code>	array[ <a href="#">parameters</a> ]	A list of parameters provided with the EMS event.
<code>source</code>	string	Source
<code>time</code>	string	Timestamp of the event. Returned by default.

#### error\_arguments

Name	Type	Description
<code>code</code>	string	Argument code
<code>message</code>	string	Message argument

#### error

Name	Type	Description
<code>arguments</code>	array[ <a href="#">error_arguments</a> ]	Message arguments
<code>code</code>	string	Error code
<code>message</code>	string	Error message
<code>target</code>	string	The target parameter that caused the error.

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