



# Retrieve events

## REST API reference

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# Retrieve events

## Support EMS events endpoint overview

### Overview

Queries a live collection of observed events on the system.

### 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

Retrieves a collection of observed events.

## Related ONTAP commands

- `event log show`

## Learn more

- [DOC /support/ems/events](#)

## Parameters

| Name             | Type          | In    | Required | Description   |
|------------------|---------------|-------|----------|---|
| source           | string        | query | False    | Filter by source  |
| parameters.name  | string        | query | False    | Filter by parameters.name   |
| parameters.value | string        | query | False    | Filter by parameters.value  |
| index            | integer       | query | False    | Filter by index   |
| 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  |
| node.uuid        | string        | query | False    | Filter by node.uuid   |
| node.name        | string        | query | False    | Filter by node.name   |
| log_message      | string        | query | False    | Filter by log_message   |
| 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    | The default is true for GET calls. When set to false, only the number of records is returned. |

| Name           | Type          | In    | Required | Description  |
|----------------|---------------|-------|----------|--|
| 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  |

## 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

```
{  
  "_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",  
      "type": "node"  
    }  
  ]  
}
```

```
        "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 | href |             |
| self | href |             |

\_links

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

message

| Name     | Type   | Description                                     |
|----------|--------|---|
| _links   | _links |   |
| name     | string | Message name of the event. Returned by default. |
| severity | string | Severity of the event. Returned by default.     |

node

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

parameters

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

records

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

#### error\_arguments

| Name    | Type   | Description      |
|---------|--------|------------------|
| code    | string | Argument code    |
| message | string | Message argument |

#### error

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

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