



# Manage cluster sensors

## ONTAP 9.11.1 REST API reference

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# Manage cluster sensors

## Cluster sensors node.uuid index endpoint overview

### Overview

You can use this API to retrieve the details of all platform environment sensors

### Examples

Retrieving values of a single sensor

```

# The API:
GET /api/cluster/sensors/{node.uuid}/{index}

# The call:
curl -X GET "https://<mgmt-ip>/api/cluster/sensors/{node.uuid}/{index}" -H
"accept: application/hal+json"

# The response:
200 OK

# JSON Body
{
  "node": {
    "uuid": "19ec0b4a-4a4d-11ec-9036-d039ea4a991a",
    "name": "node1",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/19ec0b4a-4a4d-11ec-9036-d039ea4a991a"
      }
    }
  },
  "index": 1,
  "name": "PVCCSA CPU FD",
  "type": "voltage",
  "value": 831,
  "value_units": "mV",
  "threshold_state": "normal",
  "critical_low_threshold": 297,
  "warning_low_threshold": 396,
  "warning_high_threshold": 1485,
  "critical_high_threshold": 1683,
  "_links": {
    "self": {
      "href": "/api/cluster/sensors/19ec0b4a-4a4d-11ec-9036-d039ea4a991a/1"
    }
  }
}

```

## Retrieve environment sensors for a node

GET /cluster/sensors/{node.uuid}/{index}

**Introduced In:** 9.11

Retrieve Environment Sensors

## Parameters

| Name      | Type          | In    | Required | Description                   |
|-----------|---------------|-------|----------|-------------------------------|
| index     | string        | path  | True     | Filter by index               |
| node.uuid | string        | path  | True     | Filter by node.uuid           |
| fields    | array[string] | query | False    | Specify the fields to return. |

## Response

Status: 200, Ok

| Name                    | Type                      | Description   |
|-------------------------|---------------------------|---|
| _links                  | <a href="#">self_link</a> |   |
| critical_high_threshold | integer                   | Value above which the sensor goes into a critically high state.   |
| critical_low_threshold  | integer                   | Value below which the sensor goes into a critically low state.  |
| discrete_state          | string                    | Used to determine whether the sensor is in a normal state or any other failed state based on the value of "discrete_value" field. This field is only applicable for discrete sensors. |
| discrete_value          | string                    | Applies to discrete sensors which do not have an integer value. It can have values like on, off, good, bad, ok.   |
| index                   | integer                   | Provides the sensor ID.   |
| name                    | string                    | Name of the sensor.   |
| node                    | <a href="#">node</a>      |   |
| threshold_state         | string                    | Used to determine whether the sensor is in a normal state or any other failed state.  |

| <b>Name</b>            | <b>Type</b> | <b>Description</b>  |
|------------------------|-------------|---|
| type                   | string      | Used to determine the type of the sensor.   |
| value                  | integer     | Provides the sensor reading.  |
| value_units            | string      | Units in which the "value" is measured. Some examples of units are mV, mW*hr, C, RPM. |
| warning_high_threshold | integer     | Value above which the sensor goes into a warning high state.                          |
| warning_low_threshold  | integer     | Value below which the sensor goes into a warning low state.                           |

## Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "critical_high_threshold": 0,
  "critical_low_threshold": 0,
  "discrete_state": "normal",
  "discrete_value": "ok",
  "index": 0,
  "name": "PVCCSA CPU FD",
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "threshold_state": "normal",
  "type": "agent",
  "value": 831,
  "value_units": "mV",
  "warning_high_threshold": 0,
  "warning_low_threshold": 0
}
```

## 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 |             |

self\_link

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

\_links

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

node

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

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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