



## **Manage cluster sensors**

### **ONTAP 9.12.1 REST API reference**

NetApp

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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.

Name	Type	Description
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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