



# **Manage cluster software history**

## **REST API reference**

NetApp

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# Manage cluster software history

## Manage cluster software history

### Overview

You can use this API to retrieve the history details for software installation requests.

### Examples

#### Retrieving software installation history information

The following example shows how to:

- Retrieve the software package installation history information.
- Display specific node level software installation history information.
- Provide all the attributes by default in response when the self referential link is not present.

```
# The API:
/api/cluster/software/history

# The call:
curl -X GET "https://<mgmt-ip>/api/cluster/software/history" -H "accept:
application/hal+json"

# The response:
{
  "node": {
    "uuid": "58cd3a2b-af63-11e8-8b0d-0050568e7279",
    "name": "sti70-vsimg-ucs165n",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/58cd3a2b-af63-11e8-8b0d-0050568e7279"
      }
    }
  },
  "start_time": "2018-09-03T16:18:46+05:30",
  "state": "successful",
  "from_version": "9.4.0",
  "to_version": "9.5.0",
  "end_time": "2018-05-21T10:14:51+05:30"
}
```

## Learn more

- [DOC /cluster/software/history](#)

# Retrieve software installation requests history details

GET /cluster/software/history

Introduced In: 9.6

Retrieves the history details for software installation requests.

## Related ONTAP commands

- `cluster image show-update-history`

## Learn more

- [DOC /cluster/software/history](#)

## Parameters

Name	Type	In	Required	Description
node.name	string	query	False	Filter by node.name <ul style="list-style-type: none"><li>• Introduced in: 9.7</li></ul>
node.uuid	string	query	False	Filter by node.uuid <ul style="list-style-type: none"><li>• Introduced in: 9.7</li></ul>
start_time	string	query	False	Filter by start_time <ul style="list-style-type: none"><li>• Introduced in: 9.7</li></ul>
from_version	string	query	False	Filter by from_version <ul style="list-style-type: none"><li>• Introduced in: 9.7</li></ul>
end_time	string	query	False	Filter by end_time <ul style="list-style-type: none"><li>• Introduced in: 9.7</li></ul>

Name	Type	In	Required	Description
to_version	string	query	False	Filter by to_version <ul style="list-style-type: none"> <li>Introduced in: 9.7</li> </ul>
state	string	query	False	Filter by state <ul style="list-style-type: none"> <li>Introduced in: 9.7</li> </ul>
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. <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: 15</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="#">software_history</a> ]	

### Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "end_time": "2019-02-02 20:00:00 +0000",
      "from_version": "ONTAP_X1",
      "node": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "start_time": "2019-02-02 19:00:00 +0000",
      "state": "successful",
      "to_version": "ONTAP_X2"
    }
  ]
}
```

## Error

Status: Default, Error

Name	Type	Description
error	<a href="#">returned_error</a>	

### 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>	

node

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

software\_history

Name	Type	Description
end_time	string	Completion time of this installation request.
from_version	string	Previous version of node <ul style="list-style-type: none"><li>• example: ONTAP_X1</li><li>• readOnly: 1</li><li>• Introduced in: 9.7</li><li>• x-nullable: true</li></ul>
node	<a href="#">node</a>	
start_time	string	Start time of this installation request.
state	string	Status of this installation request.

Name	Type	Description
to_version	string	Updated version of node <ul style="list-style-type: none"> <li>• example: ONTAP_X2</li> <li>• readOnly: 1</li> <li>• Introduced in: 9.7</li> <li>• x-nullable: true</li> </ul>

#### error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

#### returned\_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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