Manage cluster license managers

REST API reference

NetApp
February 11, 2026

This PDF was generated from https://docs.netapp.com/us-en/ontap-restapi/cluster_licensing_license-managers_endpoint_overview.html on February 11, 2026. Always check docs.netapp.com for the latest.

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Manage cluster license managers

Manage cluster license managers

Overview

This API is used to manage information about the license manager instance associated with the cluster.

When an ONTAP cluster is initially created to use the capacity pools licensing model, information about the license manager instance that the cluster should use is pre-configured. Generally, this configuration does not need to be updated unless the license manager instance changes its IP address.

The license manager is currently bundled with the ONTAP Select Deploy utility and runs on the same VM as ONTAP Select Deploy. Use this API to update the license manager IP address when the Deploy VM changes its IP address.

Examples

Retrieving information about the license manager instance associated with the cluster

```
# API
curl -X GET "https://<mgmt-ip>/api/cluster/licensing/license-managers"

# Response
200 OK

# JSON Body
{
"records": [
  {
    "uuid":"4ea7a442-86d1-11e0-ae1c-112233445566",
    "uri": {
      "host":"10.1.1.1",
    },
    "default":true
  }
],
"num_records": 1,
"_links": {
  "self": {
    "href": "/cluster/licensing/license-managers"
  }
}
}
```

Updating an existing license manager instance

```
# API
curl -X PATCH "https://<mgmt-ip>/api/cluster/licensing/license-
managers/4ea7a442-86d1-11e0-ae1c-112233445566"

# JSON Body
{
"uri": {
  "host":"10.1.1.3"
}
}

# Response
202 Accepted
```

Retrieve license managers

GET `/cluster/licensing/license-managers`

Introduced In: 9.8

Retrieves a collection of license managers.

Learn more

- DOC /cluster/licensing/license-managers

Related ONTAP commands

- `system license license-manager show`

Parameters

Name	Type	In	Required	Description
uri.host	string	query	False	Filter by uri.host
default	boolean	query	False	Filter by default
uuid	string	query	False	Filter by uuid
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. • Default value: 1
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. • Default value: 15 • Max value: 120 • Min value: 0
order_by	array[string]	query	False	Order results by specified fields and optional [asc

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	collection_links	
num_records	integer	Number of records
records	array[records]	

Example response


```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "uri": {
        "host": "10.1.1.1"
      },
      "uuid": "4ea7a442-86d1-11e0-ae1c-112233445566"
    }
  ]
}
```


Error

```
Status: Default, Error
```

Name	Type	Description
error	returned_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	

collection_links

Name	Type	Description
next	href	
self	href	

self_link

Name	Type	Description
self	href	

uri

License manager URI.

Name	Type	Description
host	string	License manager host name, IPv4 or IPv6 address.

records

Information on a license manager instance associated with the cluster.

Name	Type	Description
_links	self_link	
default	boolean	Flag that indicates whether it's the default license manager instance used by the cluster.' When a capacity pool is created and if the license manager field is omitted, it is assumed that the license of the capacity pool is installed on the default license manager instance.
uri	uri	License manager URI.
uuid	string	

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Retrieve the license manager information

GET `/cluster/licensing/license-managers/{uuid}`

Introduced In: 9.8

Retrieves information about the license manager.

Learn more

- DOC /cluster/licensing/license-managers

Related ONTAP commands

- `system license license-manager show`

Parameters

Name	Type	In	Required	Description
uuid	string	path	True	
uri.host	string	query	False	Filter by uri.host
default	boolean	query	False	Filter by default

Name	Type	In	Required	Description
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	self_link	
default	boolean	Flag that indicates whether it's the default license manager instance used by the cluster.' When a capacity pool is created and if the license manager field is omitted, it is assumed that the license of the capacity pool is installed on the default license manager instance.
uri	uri	License manager URI.
uuid	string	

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "uri": {
    "host": "10.1.1.1"
  },
  "uuid": "4ea7a442-86d1-11e0-ae1c-112233445566"
}
```


Error

```
Status: Default, Error
```

Name	Type	Description
error	returned_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	href	

uri

License manager URI.

Name	Type	Description
host	string	License manager host name, IPv4 or IPv6 address.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Update the license manager configuration

PATCH `/cluster/licensing/license-managers/{uuid}`

Introduced In: 9.8

Updates the license manager configuration.

Learn more

- DOC /cluster/licensing/license-managers

Related ONTAP commands

- `system license license-manager modify`

Parameters

Name	Type	In	Required	Description
uuid	string	path	True	
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When doing a POST, PATCH, or DELETE operation on a single record, the default is 0 seconds. This means that if an asynchronous operation is started, the server immediately returns HTTP code 202 (Accepted) along with a link to the job. If a non-zero value is specified for POST, PATCH, or DELETE operations, ONTAP waits that length of time to see if the job completes so it can return something other than 202. • Default value: 0 • Max value: 120 • Min value: 0

Request Body

Name	Type	Description
default	boolean	Flag that indicates whether it's the default license manager instance used by the cluster.' When a capacity pool is created and if the license manager field is omitted, it is assumed that the license of the capacity pool is installed on the default license manager instance.
uri	uri	License manager URI.
uuid	string	

Example request

```
{
  "uri": {
    "host": "10.1.1.1"
  },
  "uuid": "4ea7a442-86d1-11e0-ae1c-112233445566"
}
```

Response

```
Status: 200, Ok
```

Name	Type	Description
job	job_link	

Example response

```
{
  "job": {
    "uuid": "string"
  }
}
```

Response

```
Status: 202, Accepted
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
1115532	The requested update to the license manager information failed.

Also see the table of common errors in the Response body overview section of this documentation.

Name	Type	Description
errors	array[returned_error]	

Example error


```
{
  "errors": [
    {
      "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

uri

License manager URI.

Name	Type	Description
host	string	License manager host name, IPv4 or IPv6 address.

license_manager

Information on a license manager instance associated with the cluster.

Name	Type	Description
default	boolean	Flag that indicates whether it's the default license manager instance used by the cluster.' When a capacity pool is created and if the license manager field is omitted, it is assumed that the license of the capacity pool is installed on the default license manager instance.
uri	uri	License manager URI.
uuid	string	

_links

job_link

Name	Type	Description
uuid	string	The UUID of the asynchronous job that is triggered by a POST, PATCH, or DELETE operation.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

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