
{{cookiecutter.module_name}} **Documentation**

Release 1.0

Cisco Systems

Nov 16, 2018

Contents:

1	Install	3
1.1	Section1	3
1.2	Section2	4
1.3	Reference	4
2	RESTful API	5
2.1	Resources	5
2.2	Status codes	9
3	Indices and tables	11

This is an {{cookiecutter.module_name}} documentation.

This is an install guide.

1.1 Section1

this is section 1.

- First item with some lengthy text wrapping hopefully across several lines.
- Second item
- Third item

This is a python code block

```
print 'hello world'

def test():
    pass
```

1.1.1 Subsection1.1

this is a table

aA	bB	eE
cC	dD	eF
cC	dD	eF

Subsubsection1.1.1

A link to [Sphinx Home](#) in citation style.

1.2 Section2

this is section 2¹.

1.2.1 Subsection2.1

1.3 Reference

¹ this is reference link

A Python Flask based simple and powerful API. All definitions can be found under source code `{{cookiecutter.module_name}}/api`.

2.1 Resources

Documentation for various API resources can be found separately in the following locations:

2.1.1 Host

About host management.

Create Host

```
POST api/hosts
```

Create one host.

Request

Name	In	Type	Required	Description
host_ip	body	string	True	The ip address binds by dockerd process
host_port	body	integer	True	The tcp port binds by dockerd process
mgmt_ip	body	string	True	The ip address used to establish session with router
seq	body	integer	False	reserved field

Request Example

```
{
  "host": {
    "host_ip": "10.75.44.10",
    "host_port": 2376,
    "magent_ip": "10.75.44.10",
  }
}
```

Request Example(with optional seq)

```
{
  "host": {
    "host_ip": "10.75.44.10",
    "host_port": 2376,
    "magent_ip": "10.75.44.10",
    "seq": 10
  }
}
```

Response paramters in data json

Name	In	Type	Description
id	body	string	id in UUID format
created_at	body	string	Time at which the resource has been created (in UTC ISO8601 format).
updated_on	body	string	Time at which the resource has been updated (in UTC ISO8601 format).
host_ip	body	string	The ip address binds by dockerd process
host_port	body	integer	The tcp port binds by dockerd process
magent_ip	body	string	The ip address used to establish session with router
seq	body	integer	reserved field

Response Example

```
{
  "info": {},
  "data": {
    "id": "794d77d6558c493f901b64d98ece2246",
    "host_ip": "10.75.44.10",
    "host_port": 2376,
    "magent_ip": "10.75.44.10",
    "created_on": "2018-06-13 14:08:24",
    "updated_on": "2018-06-13 14:08:24",
    "seq": 10
  }
}
```

Get Host Detail

```
GET api/hosts/{host_id}
```

Get one host detail information.

Request

Name	In	Type	Required	Description
host_id	path	string	True	The id of the host

Response paramters in data json

Name	In	Type	Description
id	body	string	id in UUID format
created_at	body	string	Time at which the resource has been created (in UTC ISO8601 format).
updated_on	body	string	Time at which the resource has been updated (in UTC ISO8601 format).
host_ip	body	string	The ip address binds by dockerd process
host_port	body	integer	The tcp port binds by dockerd process
magmt_ip	body	string	The ip address used to establish session with router
seq	body	integer	reserved field

Response Example

with request like GET api/hosts/794d77d6558c493f901b64d98ece2246

```
{
  "info": {},
  "data": {
    "id": "794d77d6558c493f901b64d98ece2246",
    "host_ip": "10.75.44.10",
    "host_port": 2376,
    "magmt_ip": "10.75.44.10",
    "created_on": "2018-06-13 14:08:24",
    "updated_on": "2018-06-13 14:08:24",
    "seq": 1
  },
}
```

List Hosts

```
GET api/hosts
```

Lists all hosts which can use as docker host.

Request

Name	In	Type	Required	Description
host_ip	query	string	False	The ip address binds by dockerd process
host_port	query	integer	False	The tcp port binds by dockerd process
magmt_ip	query	string	False	The ip address used to establish session with router
seq	query	integer	False	reserved field

Response paramters in data json

Name	In	Type	Description
id	body	string	id in UUID format
created_at	body	string	Time at which the resource has been created (in UTC ISO8601 format).
updated_on	body	string	Time at which the resource has been updated (in UTC ISO8601 format).
host_ip	body	string	The ip address binds by dockerd process
host_port	body	integer	The tcp port binds by dockerd process
magmt_ip	body	string	The ip address used to establish session with router
seq	body	integer	reserved field

Response Example

with request like GET api/hosts?host_port=2376

```
{
  "info": {},
  "data": [
    {
      "id": "794d77d6558c493f901b64d98ece2246",
      "host_ip": "10.75.44.10",
      "host_port": 2376,
      "magma_ip": "10.75.44.10",
      "created_on": "2018-06-13 14:08:24",
      "updated_on": "2018-06-13 14:08:24",
      "seq": 1
    },
    {
      "id": "794d7716558ca93f90db64d98ace2246",
      "host_ip": "10.75.44.11",
      "host_port": 2376,
      "magma_ip": "10.75.44.11",
      "created_on": "2018-06-13 14:08:24",
      "updated_on": "2018-06-13 14:08:24",
      "seq": 2
    }
  ]
}
```

Delete Host

```
DELETE api/hosts/{host_id}
```

TODO

Bulk Delete Host

```
DELETE api/hosts
```

TODO

Update Host

```
PUT api/hosts/{host_id}
```

TODO

2.2 Status codes

Return values	Description
200 OK	The GET, PUT or DELETE request was successful, the resource(s) itself is returned as JSON.
201 Created	The POST request was successful and the resource is returned as JSON.
400 Bad Request	A required attribute of the API request is missing, e.g., the host_ip of an docker host is not given.
404 Not Found	A resource could not be accessed, e.g., an ID for a resource could not be found.

CHAPTER 3

Indices and tables

- `genindex`
- `modindex`
- `search`