
python-netbox Documentation

Release 0.0.1

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Jun 27, 2023

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python-netbox is a client for the Netbox (<https://github.com/digitalocean/netbox>) API. It's based on the APIv2 which is released since version 2.0.0. It requires python 3.

1.1 Installation

To get the latest version from Github:

```
pip install python-netbox
```

To install the latest version from the master branch:

```
pip install pip install https://github.com/jagter/python-netbox/archive/master.zip
```

1.2 Authentication

By default you can get all the information from Netbox if the `login_required` option is set to `False`. If the option is set to `True`, you can access the api by username and password to GET the information. The API is only writable if you have a Token.

- Use the `auth_token` parameter for the writeable api
- Use the `auth` parameter to use username and password. The `auth` parameter is a tuple ('username','password')

1.3 Examples

To start with python-netbox client:

```
>>> from netbox import NetBox
>>> netbox = NetBox(host='127.0.0.1', port=32768, use_ssl=False, auth_token='token')
```

Get all devices:

```
>>> netbox.dcim.get_devices()
```

Get devices per rack:

```
>>> netbox.dcim.get_devices(rack_id=1)
```

Get device by name

```
>>> netbox.dcim.get_devices(name='device_name')
```

Get per device the primary ip and mac address:

```
>>> output = []
>>> for item in a.dcim.get_devices():
>>>     device_name = item['name']
>>>
>>>     if item['primary_ip'] is not None:
>>>         primary_ip_id = item['primary_ip']['id']
>>>         get_ips = a.ipam.get_ip_by_id(primary_ip_id)
>>>
>>>         output.append({'name': device_name, 'ip': get_ips['address'], 'mac': get_
↪ips['interface']['mac_address']})
>>>     else:
>>>         print('{} has no primary_ip'.format(item['name']))
>>>
>>> print(output)
```

Create a site:

```
>>> netbox.dcim.create_site('site1', 'site1')
```

Delete a site:

```
>>> netbox.dcim.delete_site('site1')
```


CHAPTER 2

Indices and tables

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