
pyPluribus Documentation

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Python library to interact with Pluribus devices

Install

pyPluribus is available on PyPi and can be easily installed using the following command:

```
pip install pyPluribus
```

How to use pyPluribus

2.1 Open a connection with the device:

```
from pyPluribus import PluribusDevice
my_lovely_pluribus = PluribusDevice(hostname='sw50.jnb01', username='fake', password='!L0v3Pl00ribu$')
my_lovely_pluribus.open()
```

The communication channel with the device is established via SSH.

2.2 Send basic show commands:

There are two ways to execute show-type commands:

- using cli() and must specify the command in the Pluribus-specific format ([CONFIG-STANZA]-show)
- using show() and the command can be sent in human-readable format

```
my_lovely_pluribus.cli('running-config-show') # will return the Running Configuration
my_lovely_pluribus.show('running config') # again, will return the running configuration
my_lovely_pluribus.cli('switch-poweroff')
```

2.3 Load configuration:

One single command can be loaded using the same method cli()

```
my_lovely_pluribus.cli('port-storm-control-modify port 39 speed 10g')
```

A whole configuration part can be loaded using the method load_candidate_config()

```
my_config_file = '/path/to/config/file'
my_lovely_pluribus.config.load_candidate(filename=my_config_file)
```

or

```
my_custom_config = '''
[MUCH CONFIG CONTENT]
'''
my_lovely_pluribus.config.load_candidate(config=my_custom_config)
```

2.4 Compare configuration

Returns the difference between the configuration since last commit (initial configuration – if not commit issued since the connection was open) and the running config.

```
my_lovely_pluribus.config.compare()
u'@@ -79 +79 @@

-port-storm-control-modify port 39 speed 1g
+port-storm-control-modify port 39 speed 10g'
```

2.5 Discard uncommitted configuration:

```
my_lovely_pluribus.config.discard()
```

2.6 Commit changes

```
my_lovely_pluribus.config.commit()
```

2.7 Rollback

Rollbacks the configuration a number of steps.

```
my_lovely_pluribus.config.rollback(7)
```

2.8 Close connection

```
my_lovely_pluribus.close()
```

NAPALM

Beginning with release 0.60, pyPluribus is used by [NAPALM](#).

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