
purepyvmware Documentation

Release latest

Aug 24, 2020

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CHAPTER 1

Installation

purepyvmware is available through the Python Package Index.

The source code is also available on GitHub and can optionally be built and installed manually.

1.1 pip Installation

```
$ pip install purepyvmware
```

1.2 Manual Installation

```
$ git clone https://github.com/PureStorage-OpenConnect/PureStorage-VMware-Python-SDK.  
→ git  
$ cd PureStorage-VMware-Python-SDK  
$ pip install -r requirements.txt  
$ python setup.py install
```


2.1 Authentication

This section documents the instantiation of valid, working FlashArray and VMware clients required to subsequently call other client methods.

2.1.1 BaseConnector Client

Start by importing the `base_connector` submodule in `purepyvmware`:

```
from purepyvmware import base_connector
```

Instantiation of a FlashArray client and VMware client requires authentication. More information is available in the [REST API 1.0 Authentication Guide for the Pure Storage FlashArray](#):

```
from purepyvmware import base_connector
connector = base_connector.BaseConnector('flasharray.example.com',
                                         fa_ip,
                                         fa_usr,
                                         vcenter_ip,
                                         vcenter_user,
                                         fa_passwd=Password,
                                         vcenter_passwd=Password,
                                         verify_ssl=True)
```

As you will see above the password for the FlashArray and the vCenter Server are optional. This is for those who are uncomfortable with typing clear text passwords on screen. If omitted you will be prompted to enter the password for each user.

Alternatively, if you prefer to use an API token for the FlashArray you can input the API token and exclude the password and that will authenticate successfully as well.

```
from purepyvmware import base_connector
connector = base_connector.BaseConnector('flasharray.example.com',
                                         fa_ip
                                         fa_usr,
                                         vcenter_ip,
                                         vcenter_user,
                                         api_token=token,
                                         vcenter_passwd=Password,
                                         verify_ssl=True)
```

2.2 Certificates

Certificate verification is enabled by default (`verify_ssl=True`). If you prefer to bypass and/or ignore certificate checks then you must set this value to `'False'`. This will import `'urllib3'` and suppress any warnings regarding `InsecureRequests` being made.

CHAPTER 3

Changelog

A log of changes by version and date.

Version	Date	Notes
1.0.0	08/21/2020	Initial version

CHAPTER 4

Overview

This Python package provides clients with the ability to more easily automate their Pure Storage and VMware environments.

Installation Steps for installing the Python package.

Quick Start A quick start guide for the Python clients.

CHAPTER 5

Requirements

The library requires Python 3.6 and higher. Third-party libraries are also required.

CHAPTER 6

Community

To learn what other Pure Storage customers are doing with the client, to share an implementation or contribute code, or to interact with Pure Storage, visit the [Pure Storage Community](#).

CHAPTER 7

Changes

See the *Changelog* for a list of changes to purepyvmware.

CHAPTER 8

License

This code is licensed under the simple Apache 2-Clause License.

See the LICENSE.txt file in the top level of the source tree.