

Florida International University
School of Computing and Information Sciences

Software Engineering Focus

Installation Guide

AMPATH Network Services and User Interface Design Project

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Kytos Installation & Maintenance Guide

Installing required dependencies

Kytos requires at least Python 3.6, so in order to use this software please install it into your environment beforehand. Note that an additional step is needed for Ubuntu releases older than 16.10.

Python 3.6 in old Ubuntu releases

If are you using Ubuntu 16.04 or older, you must add a PPA to be able to install Python 3.6 packages. To add this PPA, use the commands:

```
$ sudo add-apt-repository ppa:deadsnakes/ppa
```

```
$ sudo apt-get update
```

```
$ sudo apt-get install python3.6
```

Required packages

The required Debian/Ubuntu packages can be installed by:

```
$ sudo apt install python3-pip python3
```

Installing with pip

To install the latest Kytos from PyPI, make sure that you done all previous steps, then:

```
$ pip3 install kytos kytos-utils
```

This will install the Kytos server and client, and also their dependencies, like the pythonopenflow library.

Create a python environment

Create your environment and name it as you wish, then activate the environment, making sure you are in the directory where you created your environment.

```
$ python -m venv yourenvname
```

```
$ source yourenvname/bin/activate
```

From this point forward you will find you are inside of your new environment.

For any development or maintenance questions, there exists a Kytos Slack channel in which the developers can answer any inquiries.

kytos.slack.com

Within the slack page there are different channels such as the following that one can join to ask questions and share updates:

