



## **Python with Anaconda**

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## Revision History

Revision	Date	Author(s)	Description
1.0	27/04/2020	NMA	First release.



## Preface

This notebook is divided into 3 Chapters.

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# 1 Introduction

This tutorial will show how to install Python with Anaconda.

## 2 Installations

### 2.1 Windows

Proceed installations with default options.

### 2.2 Ubuntu Desktop/Server

Execute the installation script:

```
1 $ bash Anaconda3-2020.02-Linux-x86_64.sh
```

When asked, answer the question with the following answers:

1. Do you accept the license terms?: `yes`
2. Anaconda3 will now be installed into this location: `/home/viradmin/anaconda3`
3. Do you wish the installer to initialize Anaconda3 by running conda init?: `no`

After finished installations, initialize `conda` and disable automatic `(base)` environment activation:

```
1 $ anaconda3/bin/conda init bash
2 $ conda config --set auto_activate_base false
```



## 3 Examples

### 3.1 Downloading Youtube Videos

This Section will show how to download a video from youtube using commands as shown below<sup>1</sup>:

<sup>1</sup> On Windows, use Anaconda Powershell Prompt.

```
1 $ conda create --name youtube-dl
2 $ conda activate youtube-dl
3 (youtube-dl) $ conda install python==3.7
4 (youtube-dl) $ python -m pip install youtube-dl
5 (youtube-dl) $ cd ~/Downloads
6 (youtube-dl) $ youtube-dl --list-formats
↩ https://www.youtube.com/watch?v=aqz-KE-bpKQ
7 (youtube-dl) $ youtube-dl -f 18
↩ https://www.youtube.com/watch?v=aqz-KE-bpKQ
```

Note that most Linux distributions doesn't shipped with multimedia packages. You may need to install them in order to play the downloaded video:

```
1 $ sudo apt install mpv
```

## **Bibliography**