Creating instances - configuration to allow log on using ubuntu as username and below password

<https://ask.openstack.org/en/question/609/how-to-login-in-newly-booted-instances-created-from-images/>

#cloud-config  
password: mypassword123  
chpasswd: { expire: False }  
ssh\_pwauth: True

Upgrade python to 3.7

<https://ywnz.com/linux/6041.html>

使用apt在Ubuntu 18.04上安装Python 3.8是一个相对简单的过程，只需几分钟：

1、以root用户或具有sudo访问权限的用户身份运行以下命令，以更新软件包列表并安装必备组件：

$ sudo apt update

$ sudo apt install software-properties-common

2、将Deadsnakes PPA添加到系统的来源列表中：

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

参考：[Ubuntu 18.04/16.04/Debian 9上安装add-apt-repository的方法](https://ywnz.com/linuxjc/3847.html)。

出现提示时，按Enter继续。

3、启用存储库后，请使用以下命令安装Python 3.7：

$ sudo apt install python3.7

4、通过键入以下命令验证安装是否成功：

$ python3.7 --version

Steps to install pip/pipenv

* 1. sudo apt install python-pip
  2. Pip install pipenv
  3. export PATH=$PATH:/home/ubuntu/.local/bin
  4. Clone the repository
  5. pipenv install

Can also use below to install pip and pipenv, etc.

* 1. curl <https://bootstrap.pypa.io/get-pip.py> -o [get-pip.py](http://get-pip.py)
  2. whereis python - We used /usr/bin/python3.7
  3. /usr/bin/python3.7 [get-pip.py](http://get-pip.py) (This might not work directly, we faced error with dist-utils so we ran sudo apt-get install python3-distutils then run /usr/bin/python3.7 [get-pip.py](http://get-pip.py) again)
  4. This will install pip in a path, export that. In our case it was installed in /home/ubuntu/.local/bin so we ran export PATH=$PATH:/home/ubuntu/.local/bin
  5. Add this to .bashrc or .profile file - export PATH=$PATH:/home/ubuntu/.local/bin so it remains
  6. Pip install pipenv
  7. Clone the repository
  8. (cd to the folder) pipenv install —python 3.6 (**or just pipenv install if with python 3.7 installed**) --- pipenv error see bottom.

Step 8 Pipevn may fail on install mysqlclient or sth else, run below two sudo cmd to install the dependencies.

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Graphical user interface

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