

# Systems Note 27

## Ubuntu20 and pipenv environments

Hardware - Mac mini (2018)

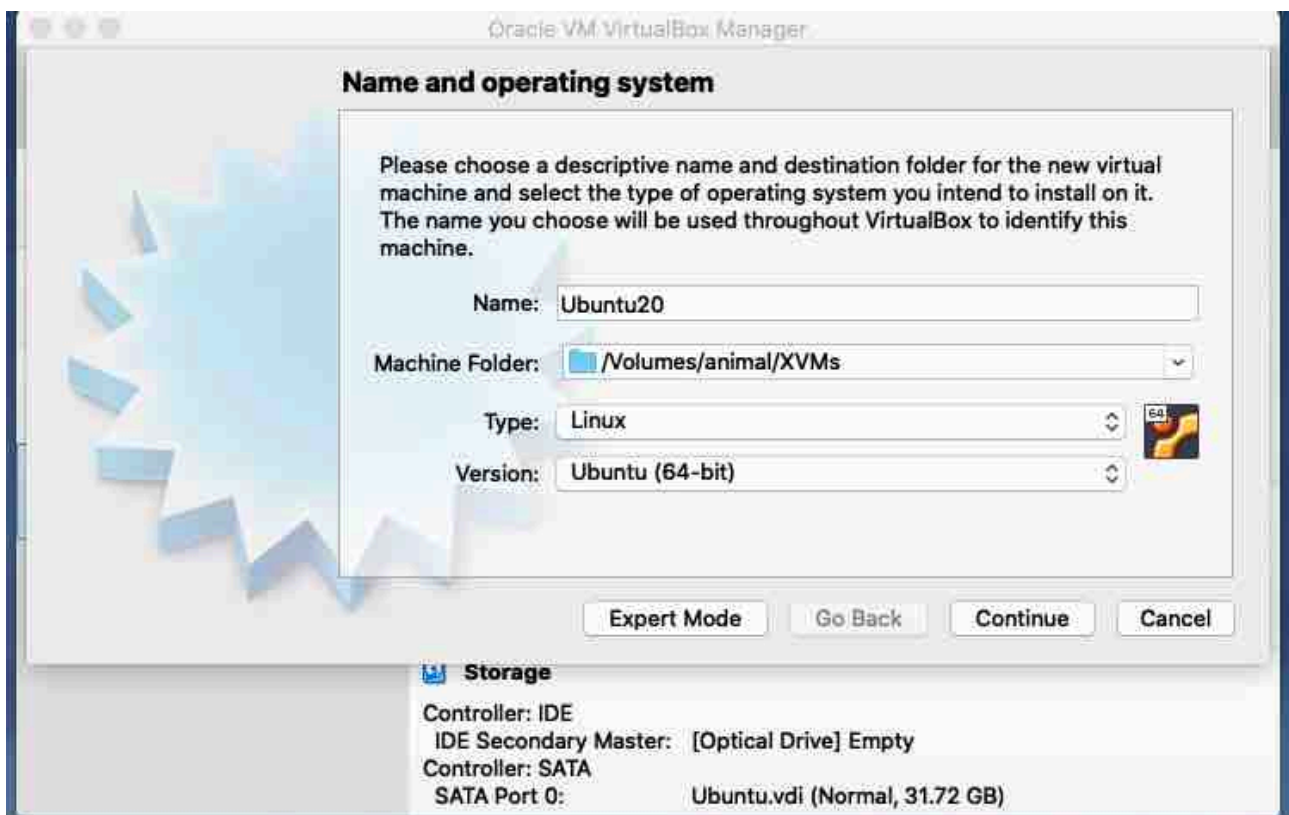
OS - macOS Catalina 10.15.5

Emulation - VirtualBox 6.1.12 r139181 (Qt5.6.3) at install time

For me virtualbox files are on external thunderbolt drive so steps are:

In VirtualBox

New > Name - Ubuntu20, Machine Folder - DRIVE/XVMs, Type - Linux, Version - Ubuntu (64-bit) Continue.



Memory size - 8GB (of 64GB) Continue, Hard disk - Create a virtual hard disk now Create, VDI Continue, Dynamically allocated Continue, File location and size 20GB Create

From <http://ubuntu.com/download/desktop> downloaded ubuntu-20.04-desktop-amd64.iso

In VirtualBox green arrow Start, Choose a virtual optical disk file, Add the iso above, select and Choose, Start

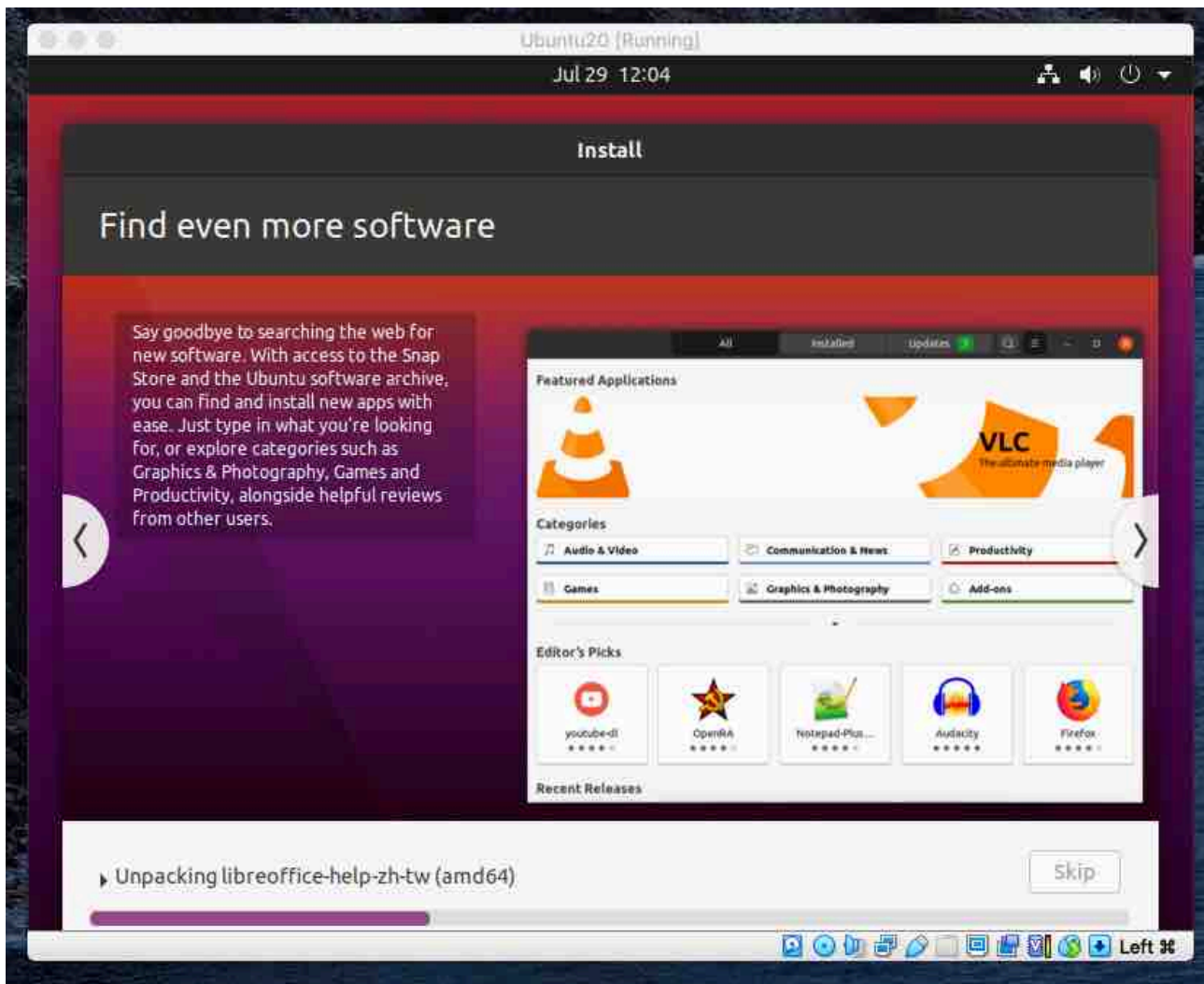
Install Ubuntu, English UK Continue, Normal installation Download updates while installing Ubuntu Continue

Erase disk and install Ubuntu Install Now

Write the changes to disks Continue

Where are you? Choose city Continue

Who are you? Complete Continue



Installation Complete Restart Now

Press Enter

Login

Skip, Next, No don't send system info Next, Location Services off Next Done

Software Updater Install Now authenticate Restart

Grid Squares Show Applications search for Setting, Screen Display Resolution, Select Setting Apply

Show Applications search for Terminal

In Terminal

```
sudo apt update
```

```
sudo apt upgrade
```

Restart

```
mkdir jn_production
```

```
sudo apt install git
```

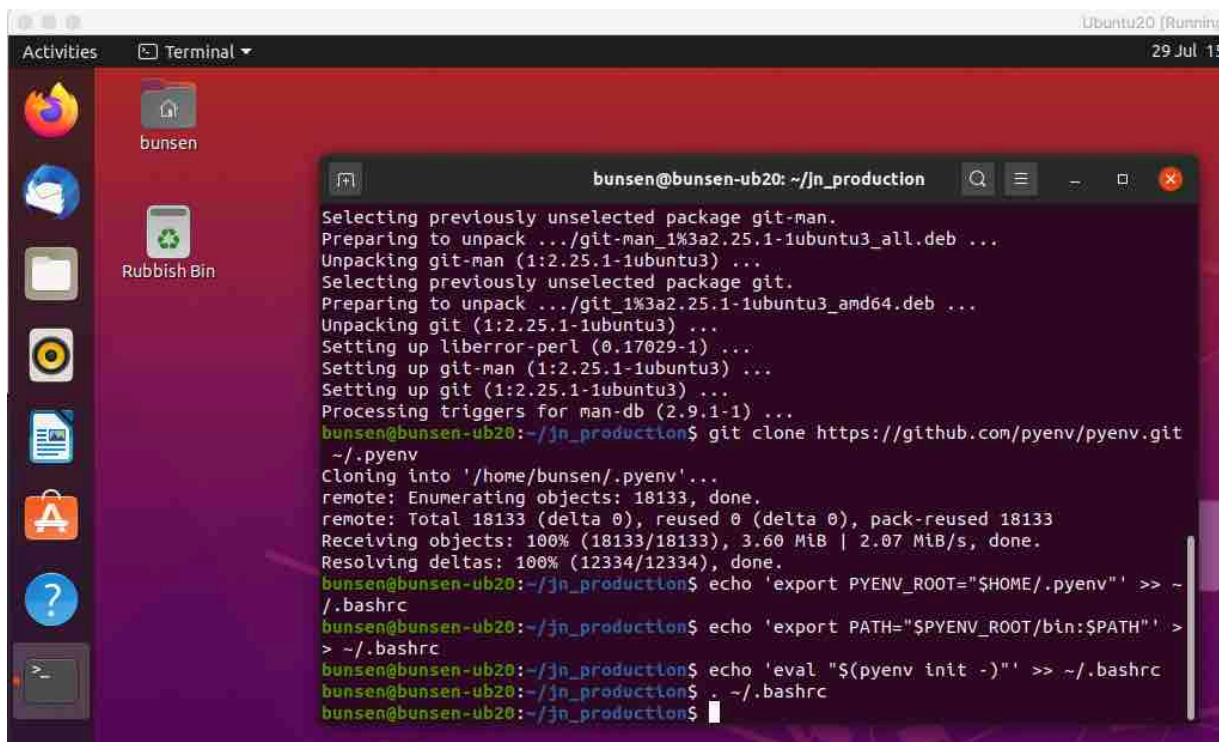
```
git clone https://github.com/pyenv/pyenv.git ~/.pyenv
```

```
echo 'export PYENV_ROOT="$HOME/.pyenv"' >> ~/.bashrc
```

```
echo 'export PATH="$PYENV_ROOT/bin:$PATH"' >> ~/.bashrc
```

```
echo 'eval "$(pyenv init -)"' >> ~/.bashrc
```

```
source ~/.bashrc
```



```
sudo apt install gcc
```

```
sudo apt install make
```

```
sudo apt install zlib1g-dev bzip2 libbz2-dev libreadline6-dev libffi-dev libssl-dev sqlite3 libsqlite3-dev -y
```

```
pyenv install 3.8.3
```

```
pyenv versions
```

```
cd jn_production
```

```
pyenv local 3.8.3
```

```
python -V
```

```
pip install --upgrade pip
```

```
pip install pipenv
```