

## 🔑 TERMINAL LINUX 🔑

### 1 . Install, reconfigure/repair and remove a packagename.deb file, by dpkg -i or by apt ?

#### - Install:

```
sudo dpkg -i packagename.deb
sudo dpkg -i /path/to/deb/file
sudo apt install ./packagename.deb
sudo apt install /path/to/package/packagename.deb
```

#### - Remove:

```
sudo dpkg -r packagename.deb
```

#### - Reconfigure/Repair an installed:

```
sudo dpkg-reconfigure packagename.deb
```

Ex: <https://askubuntu.com/questions/40779/how-do-i-install-a-deb-file-via-the-command-line>

### 2 . Install Unikey ?

```
sudo apt-get install ibus-unikey
sudo add-apt-repository ppa:ubuntu-vn/ppa
sudo apt-get update
ibus restart
```

Ex: <https://vinasupport.com/huong-dan-cai-bo-go-tieng-viet-ibus-unikey-tren-ubuntu>

### 3 . Install file.run ?

```
chmod +x packagename.run
sudo ./packagename.run
Setup app install
```

### 4 . Install JDK 8 and IDE ?

#### - JDK 8:

- Downloads JDK 8 in <https://www.oracle.com/java/technologies/javase/javase-jdk8-downloads.html>
- On Ubuntu is JDK 8: jdk-8u\*-linux-x64.tar.gz ## **8u\* is version JDK.**

Ex: jdk-8u261-linux-x64.tar.gz

- Copy and extract jdk-8u\*-linux-x64.tar.gz:

```
cd /usr/local/
sudo mkdir java
cd ~
cd Downloads
sudo cp -r jdk-8u*-linux-x64.tar.gz /usr/local/java/
cd /usr/local/java
sudo tar xzf jdk-8u121-linux-x64.tar.gz
ls
```

- exit folder jdk1.8.0\_\* is extract successfully
- no exit folder jdk1.8.0\_\* is error

- Config path java:

```
sudo gedit /etc/profile
```

- add to the end of the file:

```
JAVA_HOME=/usr/local/java/jdk1.8.0_121
PATH=$PATH:$HOME/bin:$JAVA_HOME/bin
export JAVA_HOME
export PATH
```

- Execute commands:

```
sudo update-alternatives --install "/usr/bin/java" "java" "/usr/local/java/jdk1.8.0_*/bin/java" 1
sudo update-alternatives --install "/usr/bin/javac" "javac" "/usr/local/java/jdk1.8.0_*/bin/javac" 1
sudo update-alternatives --install "/usr/bin/javaws" "javaws" "/usr/local/java/jdk1.8.0_*/bin/javaws" 1
sudo update-alternatives --set java /usr/local/java/jdk1.8.0_*/bin/java
sudo update-alternatives --set javac /usr/local/java/jdk1.8.0_*/bin/javac
sudo update-alternatives --set javaws /usr/local/java/jdk1.8.0_*/bin/javaws
```

```
java -version
```

- Display commands show is successfully:

```
java version "1.8.0_121"
```

```
Java(TM) SE Runtime Environment (build 1.8.0_121-b13)
```

```
Java HotSpot(TM) 64-Bit Server VM (build 25.121-b13, mixed mode)
```

```
javac -version
```

```
javac 1.8.0_121
```

=> Install JKD 8 successfully!

Ex: <https://hongsonvx1.wordpress.com/2017/02/16/huong-dan-cai-dat-java-8-tren-linux>

**- IDE:**

- Download IDE

- Install (3).run