

## VPN Installation Guide – Linux

Install JAVA JDK version 11 or later on your Linux machine.

Download jdk-11.0.6\_linux-x64\_bin.tar.gz or later version from Oracle [website](#), or it can be downloaded from

[https://drive.google.com/open?id=1IKJGg\\_6jqXQaDJCFit88r1442YyfTi0q](https://drive.google.com/open?id=1IKJGg_6jqXQaDJCFit88r1442YyfTi0q)

Navigate to the location where jdk-14\_linux-x64\_bin.tar.gz has been downloaded.

# tar -zxvf jdk-14\_linux-x64\_bin.tar.gz (Extract the downloaded file)

```
tar -zxvf jdk-14_linux-x64_bin.tar.gz
```

# sudo mkdir -p /usr/lib/jvm/ (Create jvm directory)

```
sudo mkdir -p /usr/lib/jvm/
```

# sudo mv jdk-14 /usr/lib/jvm/ (Move entire jdk directory to /usr/lib/jvm directory)

```
sudo mv jdk-14 /usr/lib/jvm/
```

# sudo update-alternatives --install /usr/bin/java java /usr/lib/jvm/jdk-14/bin/java 2

```
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```

# sudo update-alternatives --config java

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# sudo vi /etc/profile.d/jdk-14.sh (Create file with .sh extension and export JAVA environment variables as shown below and save it)

```
sudo vi /etc/profile.d/jdk-14.sh
```

```
export JAVA_HOME=/usr/lib/jvm/jdk-14
```

```
export PATH=$PATH:$JAVA_HOME/bin
```

Now, the file looks like as below

```
dell@dell:/usr/lib/jvm/jdk-14$ cat /etc/profile.d/jdk-14.sh
export JAVA_HOME=/usr/lib/jvm/jdk-14
export PATH=$PATH:$JAVA_HOME/bin
```

# source /etc/profile.d/jdk-14.sh

```
source /etc/profile.d/jdk-14.sh
```

# java -version (Output should be as below) -

```
dell@dell:/usr/lib/jvm/jdk-14$ java -version
java version "14" 2020-03-17
Java(TM) SE Runtime Environment (build 14+36-1461)
Java HotSpot(TM) 64-Bit Server VM (build 14+36-1461, mixed mode, sharing)
```

Java installation has been finished.

Now, it's time to install the SNX for VPN connection.

```
#sudo apt-get update
```

```
#sudo apt-get install libpam0g:i386 libstdc++5 libx11-6:i386 libstdc++6:i386 libstdc++5:i386
```

Download SNX file from [https://drive.google.com/open?id=19hIMkhCMjPDiAIKO41I52uS1W\\_d--K1q](https://drive.google.com/open?id=19hIMkhCMjPDiAIKO41I52uS1W_d--K1q)

Give executable permission to the `snx_install_linux30.sh` file.

```
#chmod a+x snx_install_linux30.sh
```

Now, run it.

```
#sudo sh snx_install_linux30.sh
```

```
sp@Ubuntu-Test:~$ sudo sh snx_install_linux30.sh
[sudo] password for sp:
Installation successfull
```

```
# snx -s vpn.iitgn.ac.in -u {Your Internet ID}
```

```
dell@dell:~/Downloads$ snx -s vpn.iitgn.ac.in -u spatel
Check Point's Linux SNX
build 800010003
Please enter your password:
SNX - connected.
Session parameters:
=====
Office Mode IP      : 172.16.30.82
DNS Server          : 10.0.136.7
DNS Suffix          : iitgn.local
Timeout             : 13 hours
```

Annotations in the terminal screenshot:

- A green arrow points from the text "Your Internet ID" to the user name "spatel" in the command.
- A green arrow points from the text "Your Internet Password" to the password input field.
- The text "SNX - connected." is circled in red.