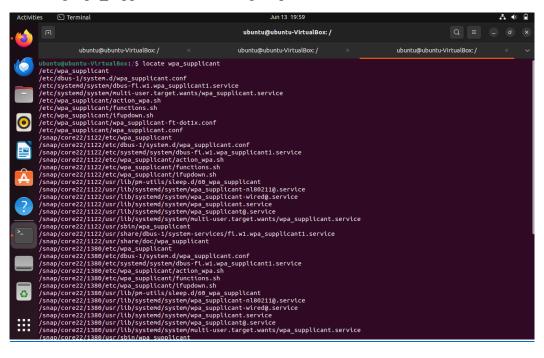
## **Development Tools Assignment**

## Module 3 – Network Authentication Tools

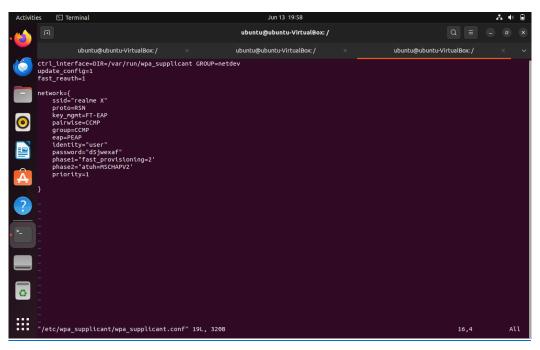
1. Write a config file so that wpa supplicant can associate to FT Dot1x WLAN

## **Solution:**

Step 1: Installing wpa supplicant and locating its path



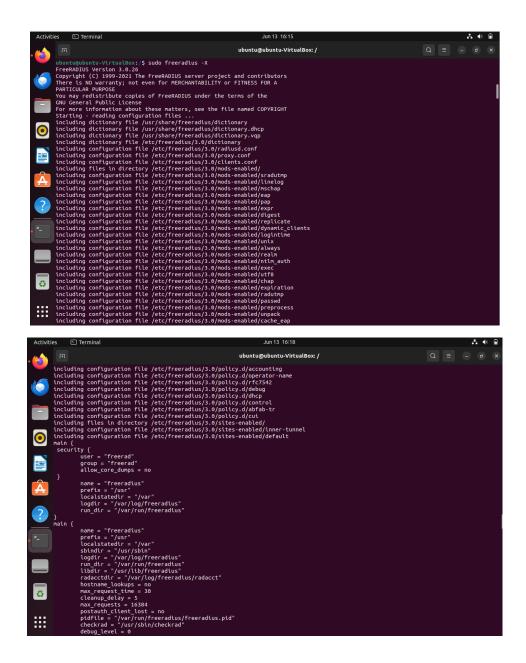
Step 2: wpa\_supplicant.conf file



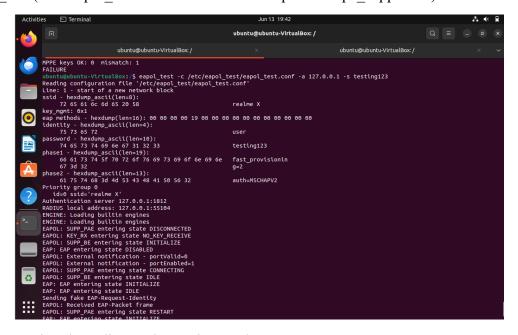
2. Bring up a Freeradius, wpa\_supplicant in linux machine, use "eapol\_test" utility in wpa\_supplicant and try connecting successfully to the Freeradius. Also, please capture the radius packets that is exchanged between eapol\_test and Freeradius using "tcpdump" command.

## **Solution:**

- Step 1: Installing wpa supplicant, freeradius, tcpdump
- Step 2: Adding the freeradius and wpa\_supplicant configuration files(radius name as "user" and password as "testing123"
- i.After executing sudo freeradius -X command



ii. eapol\_test (note:eapol\_test should be in the same path as wpa\_supplicant)



Step 3: Capturing the radius packets using tcpdump

Step 4: Analyzed the radius packets through wireshark

