

802.1x Linux Fedora 19 (32/64bit)

Linux è una distribuzione soggetta ad un buon funzionamento con la rete 802.1x. Per usarla nella tua distribuzione bisogna controllare che il sistema abbia due pacchetti installati. I pacchetti sono :

- wpa_supplicant
- dhclient

come descritto nella pagina wiki [Istruzioni Generali per Linux \(per utenti esperti\)](#)

Se per qualche ragione questi due pacchetti non sono nella tua distribuzione bisogna procedere con la loro installazione mediante la sezione **Installazione package**, altrimenti poi procedere direttamente con la sezione **Configurazione**.

Installazione package

Mediante command line :

- Apri una terminal console e cambia l'utente corrente in utente **root** con

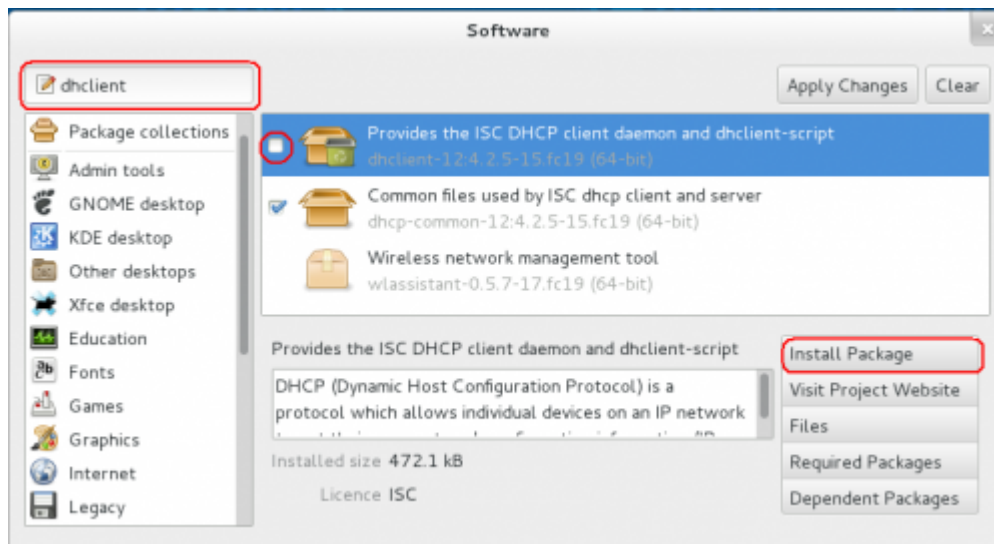
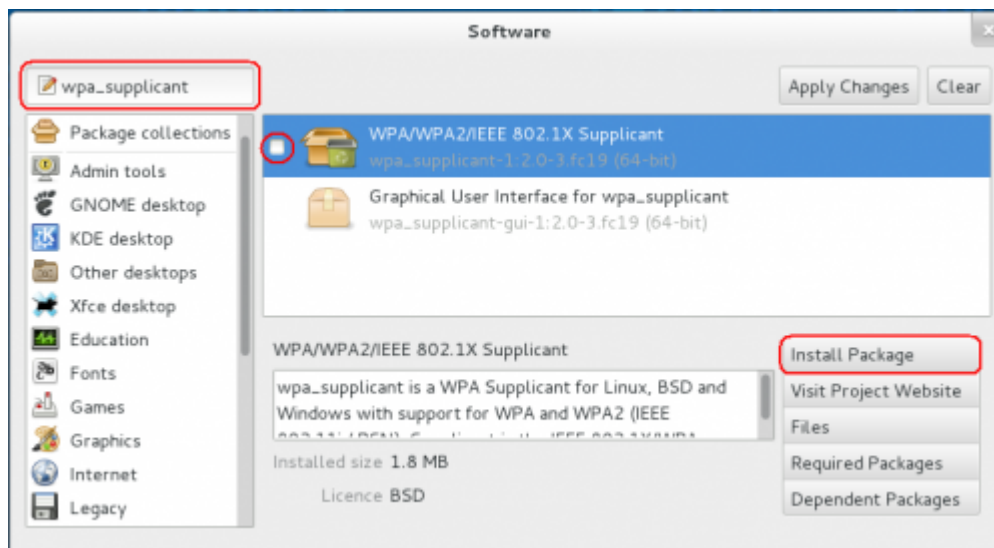
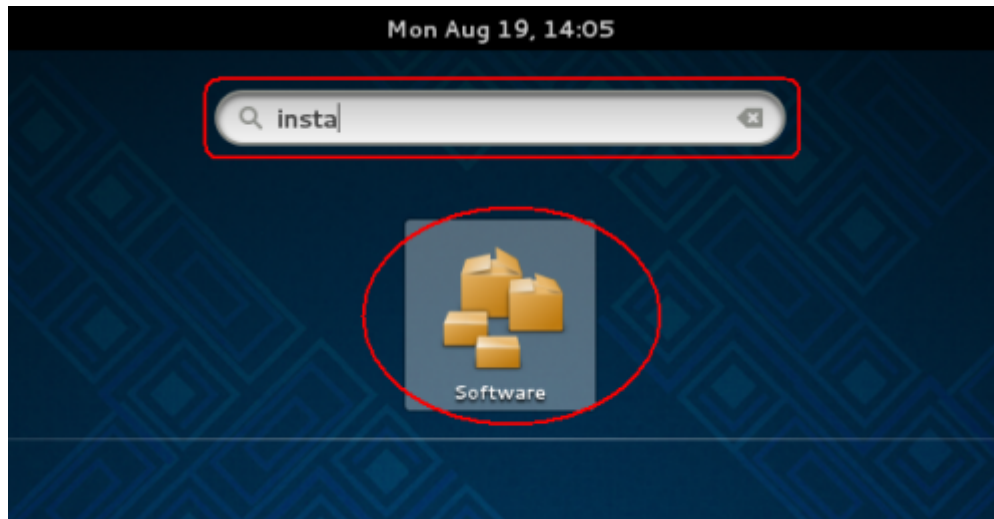
```
$ su -  
Password:  
[root@xxxxxx ~]#
```

- Ora lancia il comando **yum** con l'opzione **install** specificando i nomi dei pacchetti **wpa_supplicant** e **dhclient**

```
yum install wpa_supplicant dhclient
```

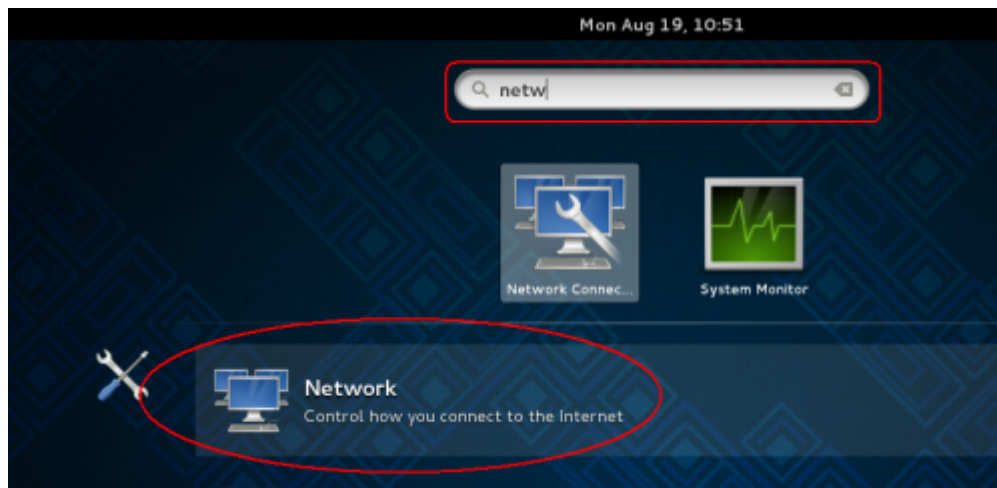
Con l'interfaccia grafica Gnome GUI :

GUI gnome can install these packages by launching the **Application Software**. Once launched in the **search** field you can enter the names of the packages you want and installed it as shown in the figures below:



Configuration

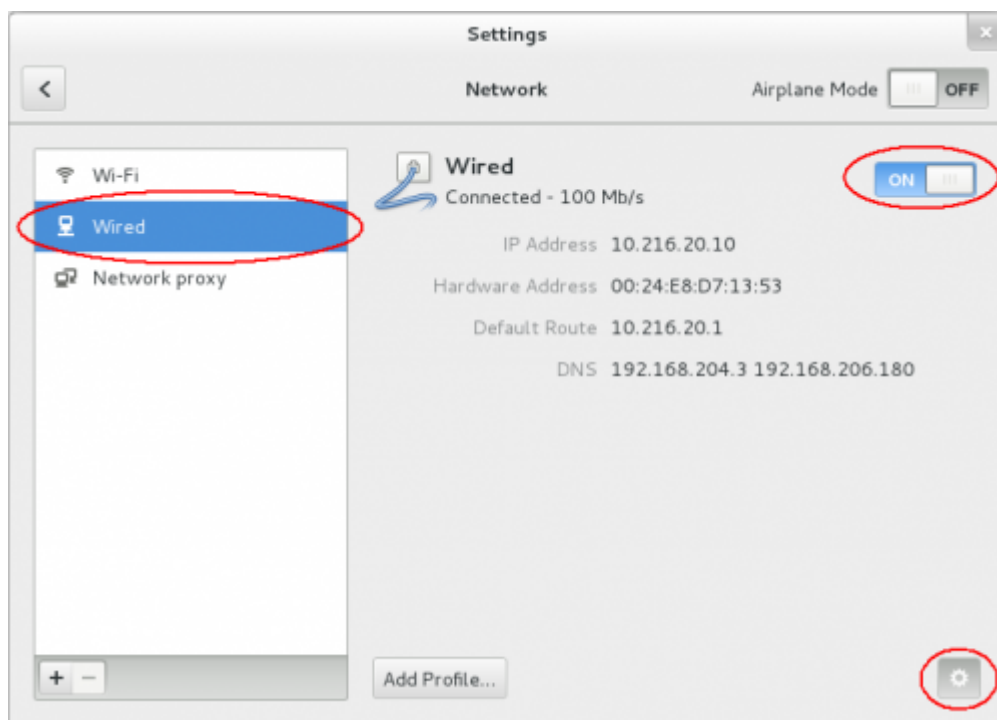
- Open your **Network Settings** by the Application Manager



- Or open it in the Network Icon on your status bar

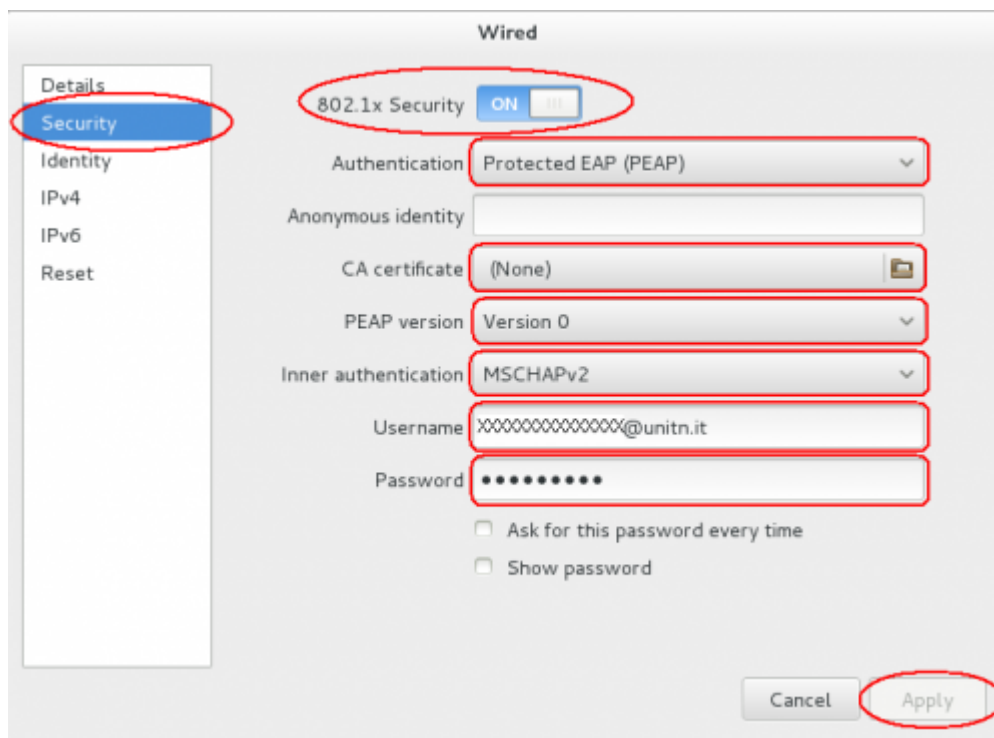


- In the Settings windows click on **Wired** voice on the left menu and then click on the **gear icon**

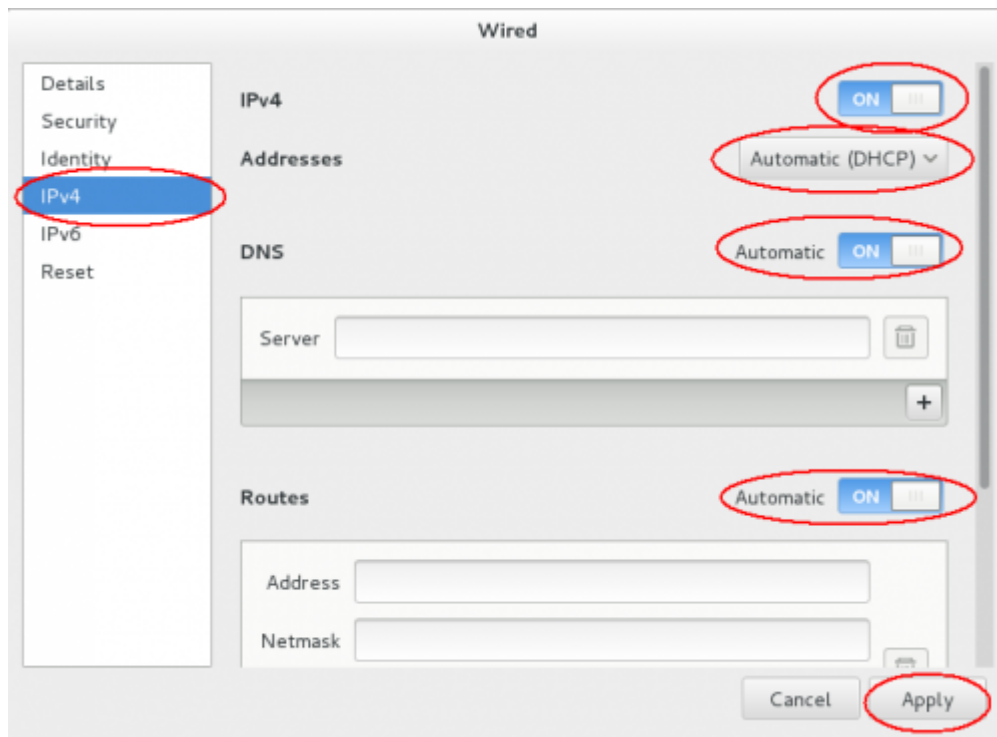


- Click the voice **Security** on the left menu in the Wired windows and then enable the **802.1x Security** switch
- Now compile the box:

- **Authentication** with the **Protected EAP (PEAP)** value
- **Anonymous identity** leave blank value
- **CA certificate** with **(None)** value
- **PEAP version** with **Version 0** value
- **Inner authentication** with **MSCHAPv2** value
- **Username** with your **Unitn Account** with @unitn.it extension
- **Password** with your **Unitn Password**
- and then click on the **Apply** button



- Now click the voice **IPv4** on the left menu in the Wired windows and then :
 - enable **IPv4** switch
 - **Adresses** chose the **Automatic (DHCP)** value
 - enable **DNS** and **Routes** switches and then leave all other box in blank value. Then click on the **Apply** button



Now when you restart your pc or when you re-login on your Gnome GUI, the system ask you for connect your pc on 8021.x network with your unitn credentials.



Here you click only on the **Connect** button. That its all...Enjoy it!

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