## 6) How to configure OpenVPN Linux Client

- Package to install for OpenVPN
  - client : Ubuntu bungie
  - Install the following packages: sudo **apt-get install openvpn**
  - Install GUI interface: apt install network-manager-openvpn
    documentation sur les clients :
  - https://guide.ubuntu-fr.org/server/openvpn.html#openvpn-simple-client-configuration
  - In synaptic : check the packages to install

| kvpnc                     |                  | 0.9.6a-4build1   | frontend to VPN clients  |
|---------------------------|------------------|------------------|--|
| ) network-manager-openvpn | 1.8.2-1          | 1.8.2-1          | network management framework (OpenVPN plugin core)   |
| network-manager-openvpn   | 1.8.2-1          | 1.8.2-1          | Environnement applicatif de gestion du réseau (interface utilisateur graphique GNOME du greffon OpenVPN) |
| openvpn                   | 2.4.4-2ubuntu1.1 | 2.4.4-2ubuntu1.1 | démon de réseau privé virtuel  |
| openvpn-auth-ldap         |                  | 2.0.3-6.1ubuntu2 | OpenVPN LDAP authentication module   |

## • How to configure the OpenVPN connexion

- Mettre sur une clé USB le fichier openvpn.zip
- Unzip the openvpn file on the client desktop
- The archive should contain the following files :

| Nom -          | Taille | Туре       | Date de modification     |
|----------------|--------|------------|--------------------------|
| a.crt          | 1,3 ko | certificat | 23 septembre 2018, 20:50 |
| README.txt     | 1,9 ko | document   | 26 avril 2018, 11:07     |
| VPNConfig.ovpn | 2,4 ko | inconnu    | 23 septembre 2018, 20:52 |

- Then : Go to network icon in the menu on the top right
- Clic right with the mouse : modify connexion
- In the list, select the connexion type : go to the bottom : import a connextion file
- Then, create it
- 0



- Change the configuration file name : VPNConfig.ovpn because if you have different VPN connexion , and if the name is the same you will erase the previous one (I had the problem because I have 2 VPN connexion).
- Then in the window do the following changes : :
  - Name the connexion : change the name VPNConfig
  - YOUR\_SERVER\_IP : input the vpn server IP : the public adress if it is via internet. For example 90.64.254.62
  - Then the listening port of OpenVPN : for example 1194 or another one
  - That gives : 90.64.254.62:1194
  - Type : password
  - User name access : the one which give access to the OpenVPN server
  - Password : input the one related to the username (if it is this type of connexion by password)
  - Then record.
  - Advanced : allow to go deaper in the configuration file

|                       | Modification de VPNConfig |                              |               |  |  |  |
|-----------------------|---------------------------|------------------------------|---------------|--|--|--|
| Nom de la connexion : | VPNConfig                 |                              |               |  |  |  |
| Général VPN           | Proxy Pa                  | ramètres IPv4 Paramètres IPv | б             |  |  |  |
| Général               |                           |                              |               |  |  |  |
| Passerelle :          | YOUR_SERVER_IP:1194       |                              |               |  |  |  |
| Authentication        |                           |                              |               |  |  |  |
| Type :                |                           | Mot de passe                 | -             |  |  |  |
| Nom d'utilisateur :   |                           |                              |               |  |  |  |
| Mot de passe :        |                           |                              | <b>*</b> 0    |  |  |  |
| Certificat CA :       |                           | 🗋 VPNConfig-ca.pem           | <u>_</u>      |  |  |  |
|                       |                           |                              |               |  |  |  |
|                       |                           |                              |               |  |  |  |
|                       |                           |                              |               |  |  |  |
|                       |                           |                              |               |  |  |  |
|                       |                           |                              | X Advanced    |  |  |  |
| Exporter              |                           | Annuler                      | ✓ Enregistrer |  |  |  |

## 7) Connexion :

• Prérequis :

 $^\circ$   $\,$  Be out from the local network from which you want to test your connexion  $^\circ$ 

- Operating mode :
  - Go to network :



- Select : connexion from VPN
- $\circ$   $\,$  Choose in the list the VPN you want to be connected to.
- $\circ$  Clic on
- The connexion process is started.
- When the secured connexion is OK , you will see the lock down on the right



## • Validation :

 $\circ$   $\,$  then, check by watching on «  $\,$  information » in network connexion  $\,$