How To Open1xSupplicant

To initiate the installation of Open1xSupplicant, just accede to http://alumni.ipt.pt/~caceres/open1xsupplicant (project page) and download the desired version..
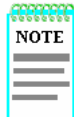
> **NOTE**
>
> To work properly, this application need that are some Xsupplicant version already installed, preferential *1.0.1* version. To download it, just go at http://sourceforge.net/project/showfiles.php?group_id=60236 and download the appropriate version.
> Its necessary verify if are already installed any version of Xsupplicant, since currently are any operation systems that just carry it, like *Suse 9.3*.

Before the initialization of network configuration process, it's recommended that Xsupplicant are already installed or simply downloaded and decompressed to a folder with the same name.
To initiate the installation of Open1xSupplicant, just fallow the next steps.

To RPM packages
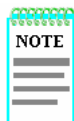
> **NOTE**
>
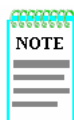> To fewer experiences users, its convenient uses the system installation utilities to install RPMs (eg: YaSt).

Downloaded *rpm* from the related page, for example to the same directory where xsupplicant folder are, and in case of the system installation utilities inexistence, through console, accede to folder where it finds *rpm* and execute it:

```
rpm -uvh open1xsupplicant-x.x-x.x.i386.rpm
```

By the presence of any error, installation process of Open1xSupplicant it's considered done, just are necessary install Xsupplicant.

To Xsupplicant installation process pass to item Xsupplicant and Open1xSupplicant Installation.

To TAR.GZ packages

> **NOTE**
>
> To fewer experiences users, its convenient uses the system installation utilities to manipulate TAR.GZ files.

Download *tar.gz* file from the page and places it in any directory (eg: /usr/local).
Of followed, troth some system utility or simple by the console, accede to directory where are placed the compressed package, uncompressed and execute it:

```
tar –zxvf open1xsupplicant-x.x-x.x.tar.gz
```

Executed that command, the open1xsupplicant-x.x-x.x file are uncompressed.

Xsupplicant and Open1xSupplicant configuration

Accede to open1xsupplicant-x.x-x.x folder and executes installation *script*:

```
./install.sh
```

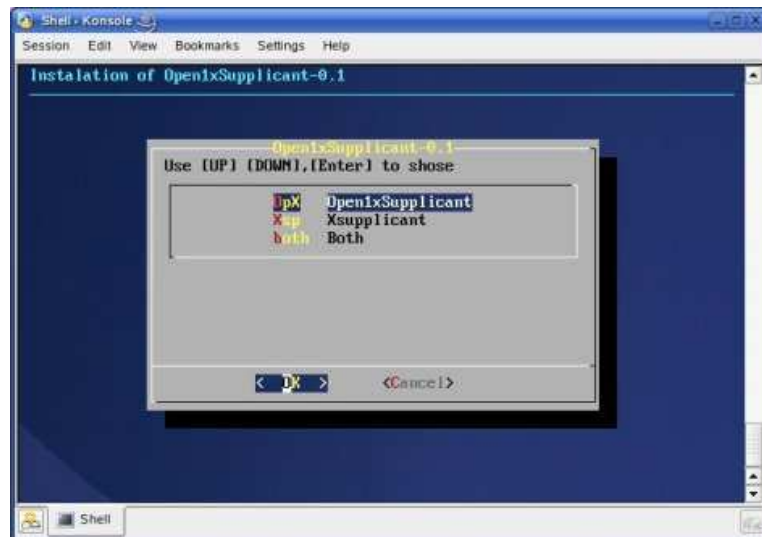Initiated installation process, appears graphic environment that help on the installation process.

Figure 1: Xsupplicant and Open1xSupplicant Installation

On this point, just follow the installation indications that being given thru this process of installation.

If haven't been possible execute the installation thru the previous command, gust execute the basic installation:

```
./basic_install
```

Ended installation process, to see the reported error of installation process, you can see log file *install.log* in uncompressed directory. This case of having any error, probably cased by a missing compiler to compile the source code or a missing library (this are the most common reported errors). In this case, it's necessary install the missing package and repeat again all steps.

Achieve this point whiteout any incident, the installation has been completed with success and is ready to work

Usage Open1xSupplicant
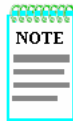
To start just only need to run the *open1xsupplicant* command in one shell or in X environment.

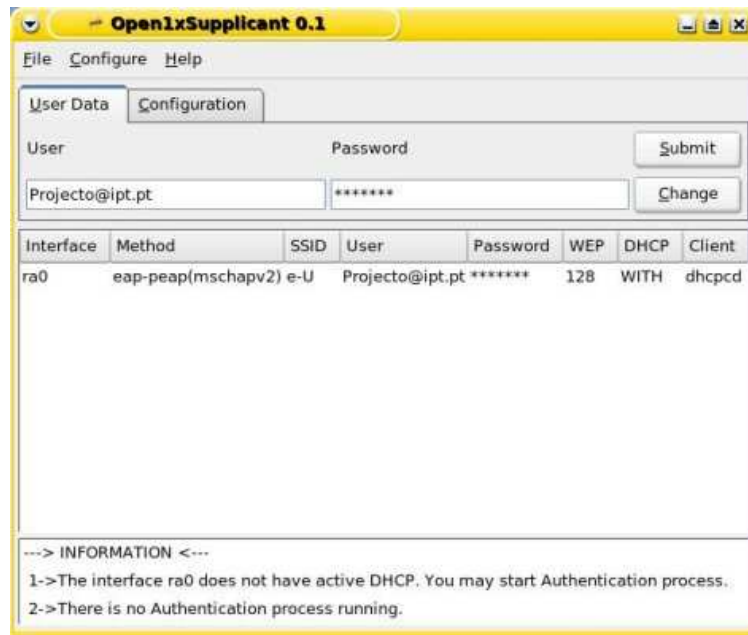Executed open1xsupplicant, appears graphic environment of Open1xSupplicant.

Figure 2: Open1xSupplicant – User Data Configuration

With this scenario, the user can put there own credentials (password and user name) in the wright spots to do the authentication process, change the register in **Change** button to the new modifications take effect and submit the parameters in **Submit** button, executing the Xsupplicant application to do one athentication process.

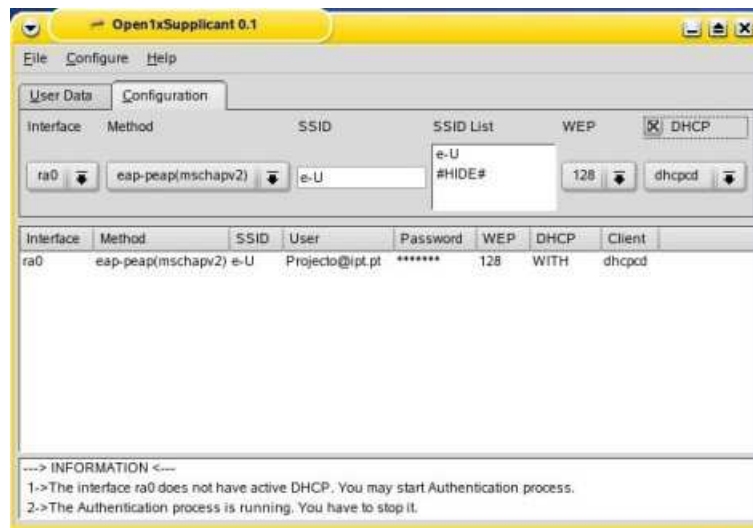**Configuration** tab selected, allow as to configure network parameters.

Figure 3: Open1xSupplicant – Network Configuration

The available parameters are network **interface** used to do one authentication process, the authentication **method** used, the network **SSID** (Service Set Identifier - it can be chosen by clicking on one of the SSID in **SSID List**), the size of **WEP** (Wired Equivalent Privacy) key to the pre access of the network interface with the AP (Access Point) and if we want and in this case what type of **DHCP** (Dynamic Host Configuration Protocol) client have our system.
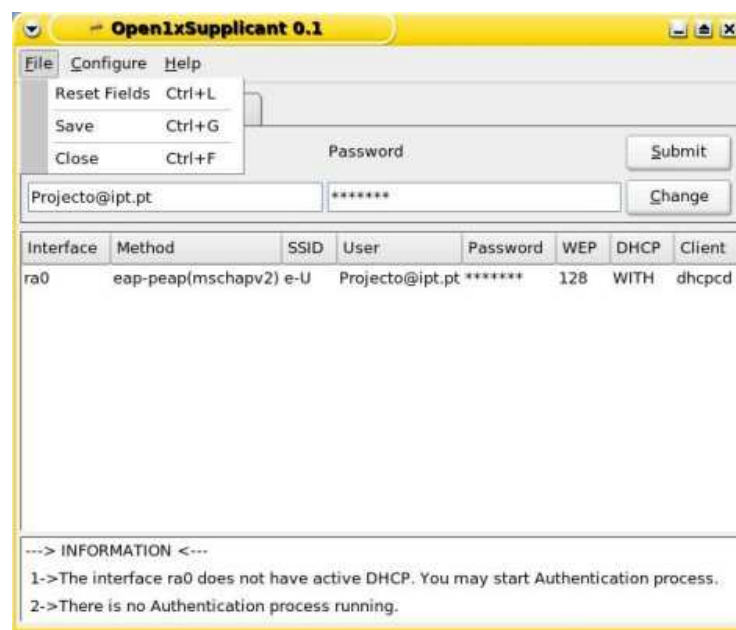
Access to **File** Menu its shown tree sub menus.

Figure 4: Open1xSupplicant – Menu File

In this first menu, with **Reset Fields** menu, we can reset all fields in the application, with **Save** we can save the Xsupplicant configuration file with the user configuration parameters and with the **Close** menu we can close the Open1xSupplicant application.

The **Configure** menu serves to assists on interface and application pre-preparation, in order to execute Xsupplicant whiteout any problems
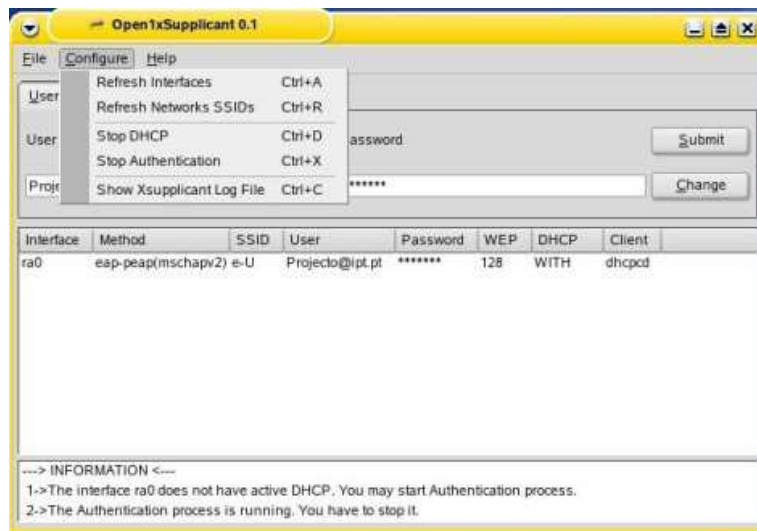
Figure 5: Open1xSupplicant – Configuration Menu

In **Refresh Interfaces** menu, we can refresh the interfaces list in configuration tab, in **Refresh Networks SSIDs** menu, refresh the SSID list, with **Stop DHCP**, we stop the DHCP client deamon to this don't interfere with the Xsupplicant process. To we stop one Xsupplicant process, we have the **Stop Authentication** menu, this menu stop it immediately to permit start a new Xsupplicannt process. For the last, the menu **Show Xsupplicant Log File**, is to show the Xsupplicant log file, to we see the Xsupplicant status in a authentication process

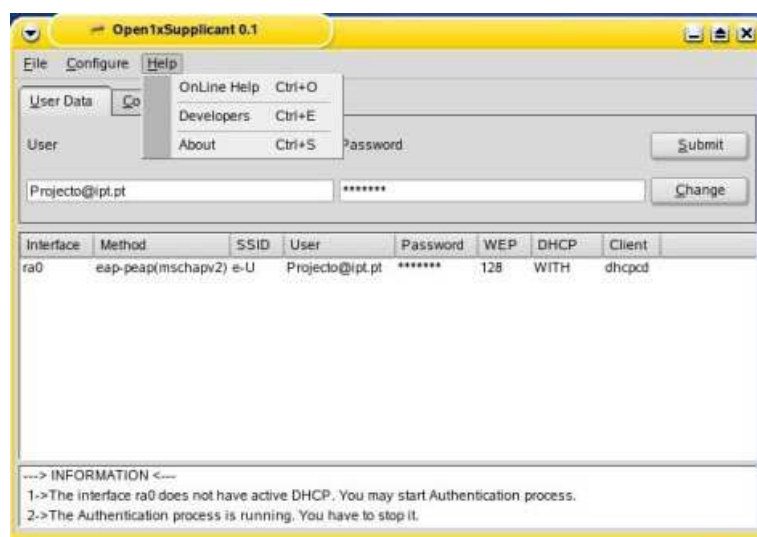The last menu, **Help** menu, is dedicated to the authors and the application itself.

Figure 6: Open1xSupplicant – Help Menu

The menu **OnLine Help** open with Konqueror the project page to help users with any questions, the menu **Credits**, show information about the authors who develop this graphical interface, and the **About** menu show information about the application itself.

Figure 7: Credits