No connection to Eduroam on Raspbian Stretch

It seems that the `wpasupplicant` package issued with Strecth uses newer communication protocols that are not correctly supported by the Eduroam access points that we are using. Therefore, a previous version of this tool should be installed.

In the case of Raspbian Stretch the solution is to include the previous version repositories (Jessie) and install the wpa_supplicant of that version.

Add Jessie main repository

Create the file `/etc/apt/sources.list.d/jessie.list` with:

```
deb http://mirrordirector.raspbian.org/raspbian/ jessie main
```

Create the file `/etc/apt/preferences.d/jessie` with:

```
Package: *
release o=Raspbian,n=jessie
Pin-Priority: -1
```

Update the package list with:

```
$ sudo apt-get update
```

Test the available versions of `wpasupplicant` with:

```
$ sudo apt-cache policy wpasupplicant
```

Install and block the jessie version with:

```
$ sudo apt-get install wpasupplicant=2.3-1+deb8u5
$ sudo apt-mark hold wpasupplicant
```

Eduroam configuration

The next configuration could vary depending on the centre you are accessing to Eduroam. You should search which configuration should be used on the place from where you are trying to access Eduroam. Another possibility is to download the Eduroam configuration assistant tool, and see if your centre is already on it.

At the Universitat Jaume I, the configuration that has to be added to `/etc/wpa_supplicant/wpa_supplicant.conf` is:

```
network={
        ssid="eduroam"
        scan_ssid=1
```

```
        key_mgmt=WPA-EAP
        eap=PEAP
        identity="XXXXX@uji.es"
        password="XXXXX"
        phase1="peaplabel=0"
        phase2="auth=MSCHAPV2"
}
```

Instead of using the plain text password, a hash password can be generated with:

```
echo -n plaintext_password_here | iconv -t utf16le | openssl md4
```

Then, prefix the resutl with "hash:" and put it in the `wpa_supplicant.conf` file, i.e.:

```
        password=hash:6602f435fc3f54388a31238d3b9bdcfd0b
```

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