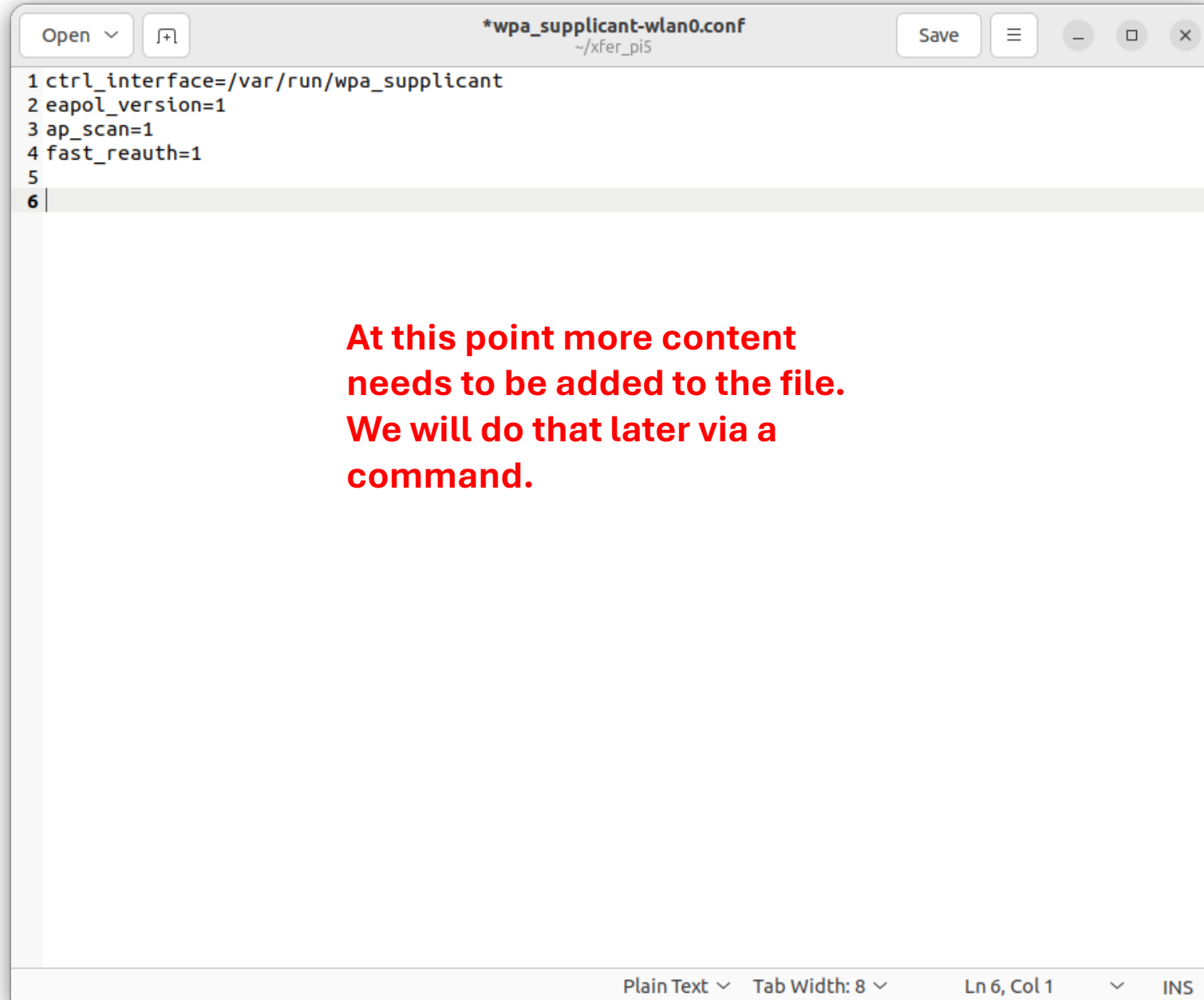


yocto .
PROJECT

Create a file named wpa_supplicant-wlan0.conf



The image shows a text editor window titled `*wpa_supplicant-wlan0.conf` with the path `~/xfer_pi5`. The editor contains the following configuration lines:

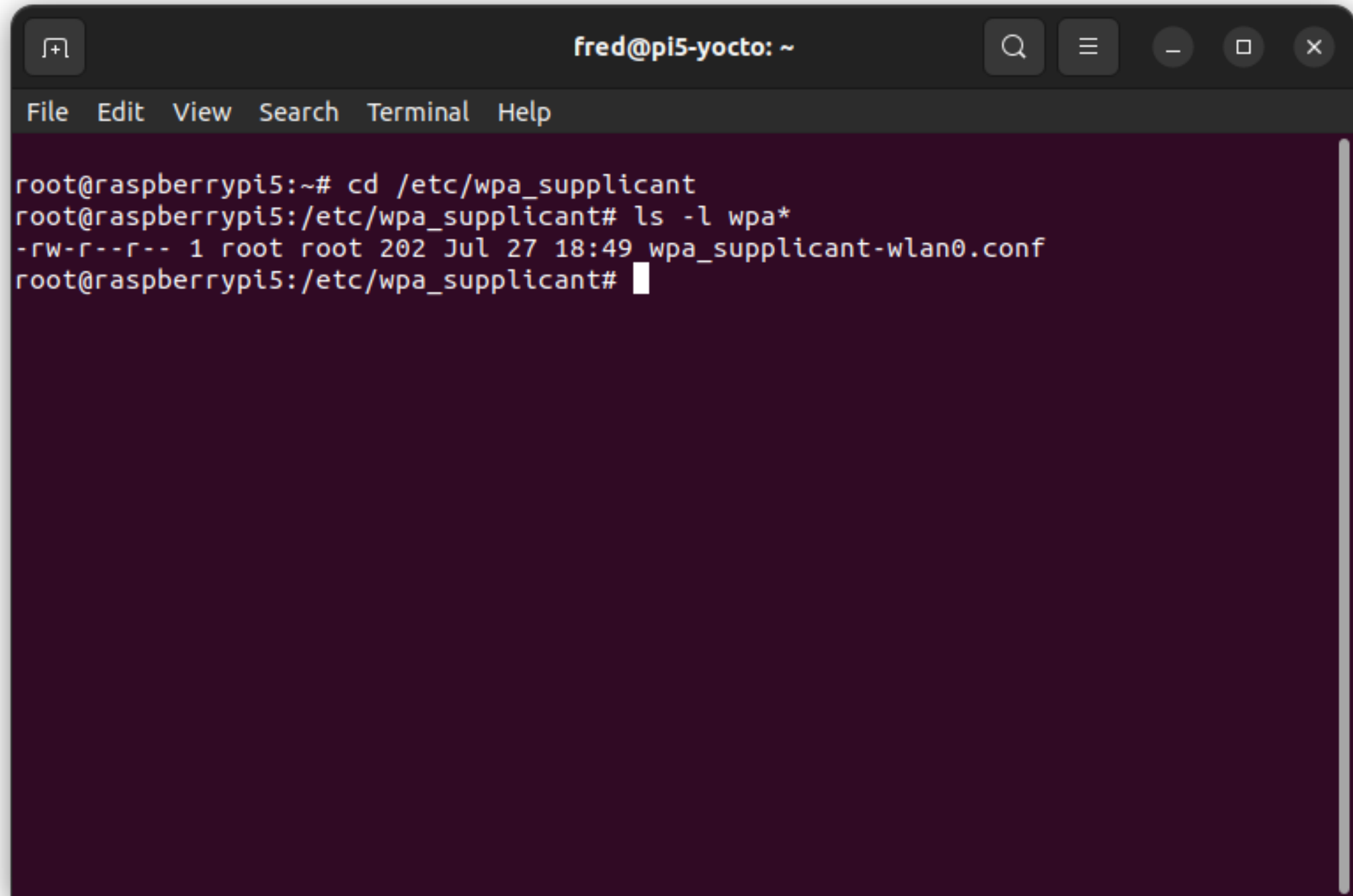
```
1 ctrl_interface=/var/run/wpa_supplicant
2 eapol_version=1
3 ap_scan=1
4 fast_reauth=1
5
6 |
```

Below the code, a red text overlay states:

**At this point more content
needs to be added to the file.
We will do that later via a
command.**

The status bar at the bottom indicates the file is in `Plain Text` mode with a `Tab Width: 8`, and the cursor is at `Ln 6, Col 1` in `INS` mode.

Create a directory named `/etc/wpa_supplicant` and place `wpa_supplicant-wlan0.conf` within it

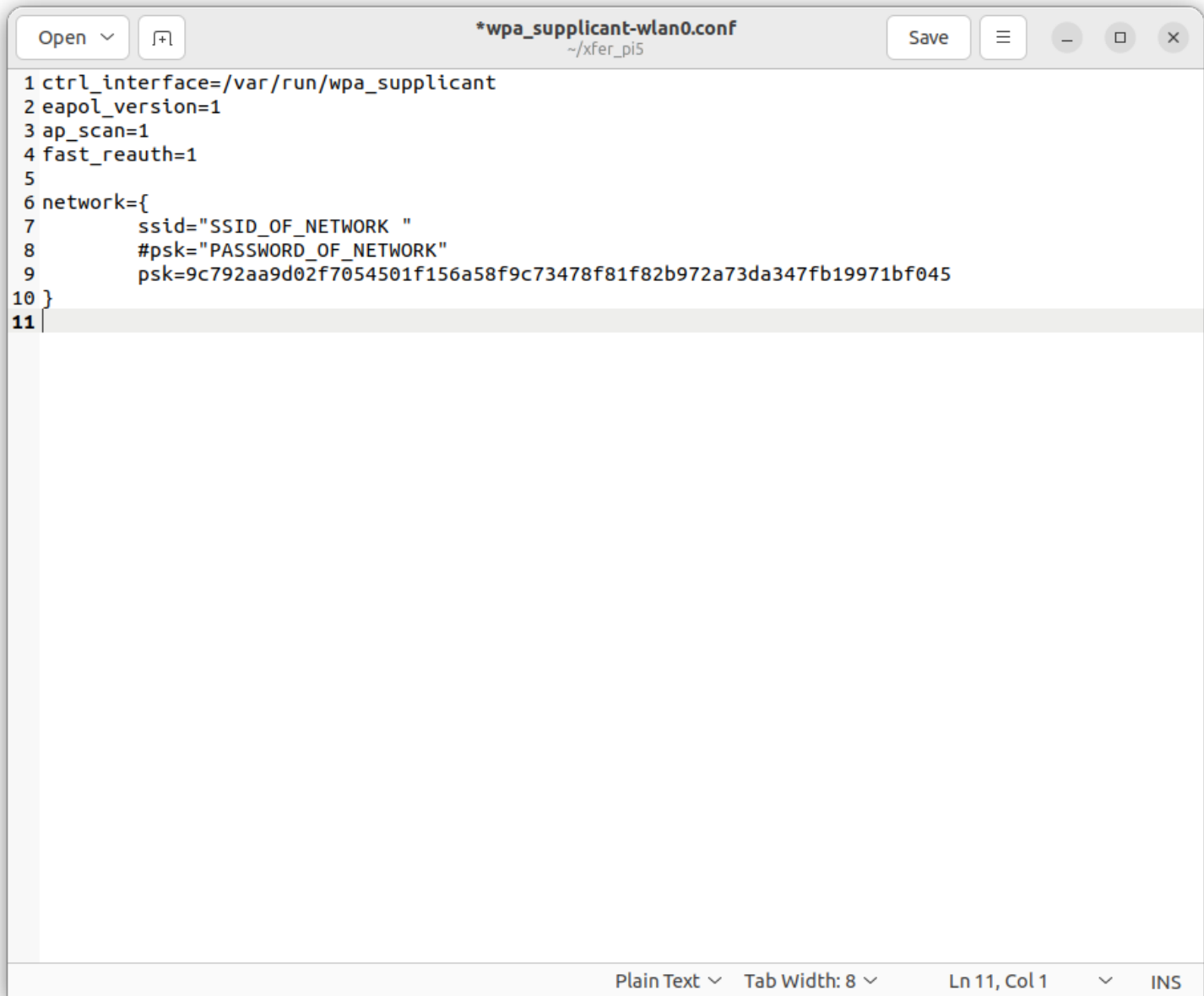
A terminal window titled 'fred@pi5-yocto: ~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the user navigating to the directory /etc/wpa_supplicant and listing its contents. The output shows a file named wpa_supplicant-wlan0.conf with permissions -rw-r--r--.

```
fred@pi5-yocto: ~  
File Edit View Search Terminal Help  
root@raspberrypi5:~# cd /etc/wpa_supplicant  
root@raspberrypi5:/etc/wpa_supplicant# ls -l wpa*  
-rw-r--r-- 1 root root 202 Jul 27 18:49 wpa_supplicant-wlan0.conf  
root@raspberrypi5:/etc/wpa_supplicant#
```

From the Raspberry Pi 5 Linux console, execute the following command:

`wpa_passphrase SSID_OF_NETWORK PASSWORD_OF_NETWORK >> /etc/wpa_supplicant/wpa_supplicant-wlan0.conf`

Command Adds These Lines



```
1 ctrl_interface=/var/run/wpa_supplicant
2 eapol_version=1
3 ap_scan=1
4 fast_reauth=1
5
6 network={
7     ssid="SSID_OF_NETWORK "
8     #psk="PASSWORD_OF_NETWORK"
9     psk=9c792aa9d02f7054501f156a58f9c73478f81f82b972a73da347fb19971bf045
10 }
11
```

Plain Text ▾ Tab Width: 8 ▾ Ln 11, Col 1 ▾ INS

From the Raspberry Pi 5 Linux console, execute the following 3 commands:

```
systemctl enable wpa_supplicant@wlan0.service  
systemctl restart systemd-networkd.service  
systemctl restart wpa_supplicant@wlan0.service
```

Issue the ifconfig command from the Raspberry Pi 5 Linux console to check for WiFi connection and DHCP IP address assignment.