

## Linux

[Ubuntu installation tutorial](#)

[20 things to do after install Linux](#)

Show the directory of package

```
dpkg --getfiles packagename
```

Check the disk usage:

```
df -hl
```

Change the font size of the terminal

```
Menu, Edit => Profile Preferences => General tab
```

[Install .NET on Ubuntu:](#)

<http://www.codeproject.com/Articles/1072008/Guide-for-building-Csharp-apps-on-Ubuntu-MonoProje>

Remove "System Program Problem Detected" Messages From Ubuntu

```
sudo rm /var/crash/*
```

Alt+Tab does not work:

Solution: <http://ubuntuforums.org/showthread.php?t=2211863>

Update and upgrade

```
sudo apt-get update # update the sources of software
sudo apt-get upgrade # update software
sudo do-release-upgrade # upgrade to a newer release of Ubuntu
```

To set the input methods:

```
sudo apt-get install fcitx
```

Use: Keyboard-English(US)

Do not use: Keyboard-English(US, with international dead keys)

The suspend of DELL not working

Solution: upgrade the linux kernel.

Steps:

1. Download the latest kernel from this [link](#)

For 64-bit Ubuntu, download the `amd64.deb` files. For 32-bit Ubuntu, download `i386.deb` files. Both the **header** and **image** files should be downloaded, e.g.:

```
linux-headers-4.6.2-040602_4.6.2-040602.201606072312_all.deb
```

```
linux-headers-4.6.2-040602-generic_4.6.2-040602.201606072312_amd64.deb
```

```
linux-image-4.6.2-040602-generic_4.6.2-040602.201606072312_amd64.deb
```

2. Use the following command to install deb files.

```
sudo dpkg -i fileName.deb
```

3. Restart to activate the new kernel.

4. Check the version of Linux kernel

```
uname -r # For the exact kernel version
```

To uninstall kernel:

```
sudo apt-get remove 'linux-headers-4.6.2*' 'linux-image-4.6.2*'
```

```
# Where 4.6.2 is the version of kernel that is to be removed.
```

Alternatively, you could uninstall the unneeded kernels by:

```
sudo apt autoremove
```

Check the version of Ubuntu:

```
uname -a # For all information regarding the kernel version,
```

```
uname -r # For the exact kernel version
```

```
lsb_release -a # For all information related to the Ubuntu version,
```

```
lsb_release -r # For the exact version
```

```
sudo fdisk -l # For partition information with all details.
```

Get the path directory java has been installed

```
update-alternatives --config java
```

The way to install matplotlib:

```
sudo apt-get install python-matplotlib # For Python 2
```

```
sudo apt-get install python3-matplotlib # For Python 3
```

Change username:

```
sudo usermod -l newUsername oldUsername  
sudo usermod -d /home/newHomeDir -m newUsername
```

Delete username:

```
deluser --remove-home usernameToBeDeletedD
```

To change other users password:

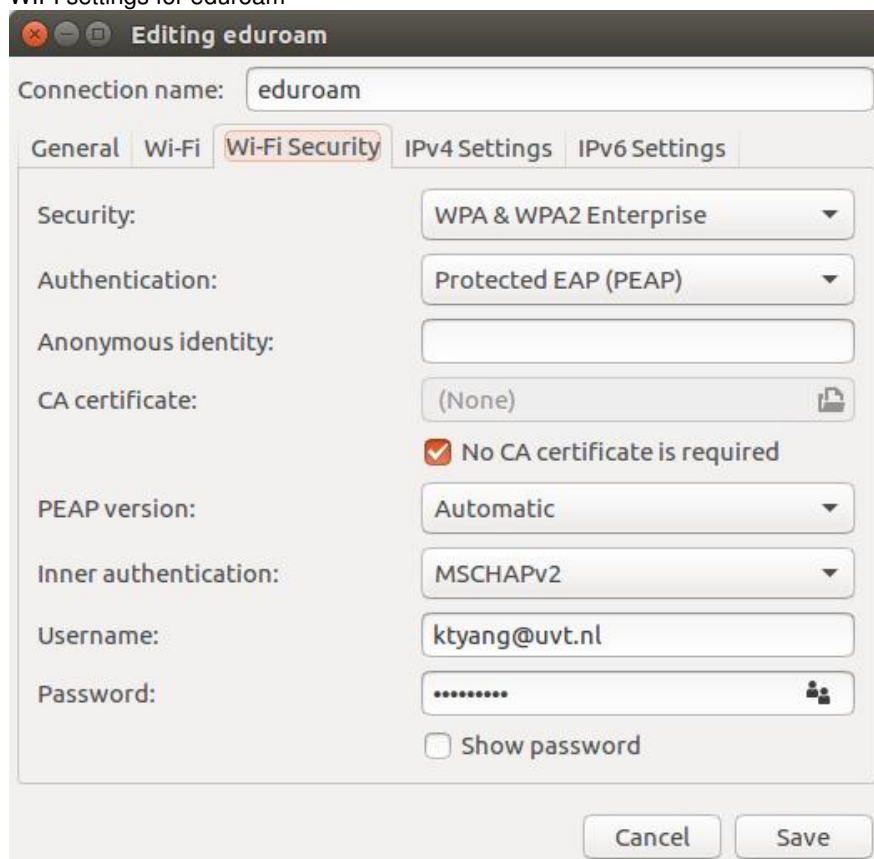
```
sudo passwd otherUser
```

When wifi is not working:

```
rfkill list all # Check the status of wifi  
rfkill unblock all # Open the wifi
```

if you see "Hard blocked: yes", switch on the wifi hardware, then reboot.

WIFI settings for eduroam



The screenshot shows a window titled "Editing eduroam" with a dark header bar. Below the header, there's a "Connection name:" field with the value "eduroam". A tabbed interface is present with four tabs: "General", "Wi-Fi", "Wi-Fi Security" (which is selected and highlighted in red), "IPv4 Settings", and "IPv6 Settings". The "Wi-Fi Security" tab contains several settings:

- Security:** A dropdown menu set to "WPA & WPA2 Enterprise".
- Authentication:** A dropdown menu set to "Protected EAP (PEAP)".
- Anonymous identity:** An empty text input field.
- CA certificate:** A dropdown menu set to "(None)" with a file icon to its right.
- ☒ **No CA certificate is required**
- PEAP version:** A dropdown menu set to "Automatic".
- Inner authentication:** A dropdown menu set to "MSCHAPv2".
- Username:** A text input field containing "ktyang@uvt.nl".
- Password:** A password input field with masked characters "....." and a "Show password" checkbox below it.

At the bottom right of the window are "Cancel" and "Save" buttons.

## Install Google Chrome

```
wget -q -O - https://dl-ssl.google.com/linux/linux_signing_key.pub | sudo apt-key add -
sudo sh -c '
echo "deb http://dl.google.com/linux/chrome/deb/ stable main" >> /etc/apt/sources.list.d/google-chrome.list'
sudo apt-get update
sudo apt-get install google-chrome-stable
```

## Install a new app (e.g. oracle-java8)

```
sudo add-apt-repository ppa:webupd8team/java
sudo apt-get update
sudo apt-get install oracle-java8-installer
```

## Install a image editor: shutter

```
sudo apt-get install shutter
```

## Delete a folder and all its subfolders

```
sudo rm -r -f /path/
```

## Install MS office on Ubuntu:

Wine: <https://wiki.winehq.org/Ubuntu>

PlayOnLinux: <http://www.tutronics.com/2012/12/easily-install-microsoft-office-in.html>

PlayOnLinux depends on winbind, therefore, using the following command install winbind:

Delete a folder and all its subfolders

```
sudo apt-get install winbind
```

## Files

eduroam-settings.png	57 KB	06/03/2016	Kai-Tao Yang
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