# **Ubuntu installation tutorial**

Material

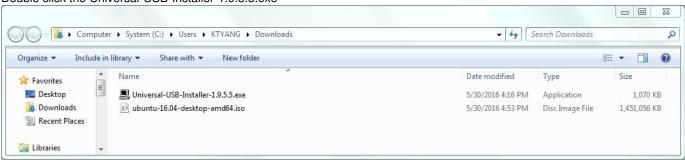
- 1. Hardware: A computer + USB disk (at least 2G)
- 2. Software: <u>Ubuntu 16.04 Desktop 64-bit</u> + <u>Universal-USB-Installer</u>
  Note: Ubuntu 16.04 Desktop 64-bit is for laptops or desktops. If you want to install Ubuntu on servers, please download: <u>Ubuntu Server 16.04 LTS</u>.

Universal USB Installer is a free-of-installation open-source tool for making a USB installer.

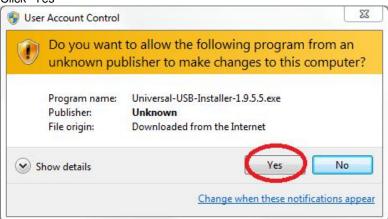
## Make a USB installer

Note: Please back-up the important information of your USB disk because it will be erased when making a USB installer.

1. Double click the Universal-USB-Installer-1.9.5.5.exe

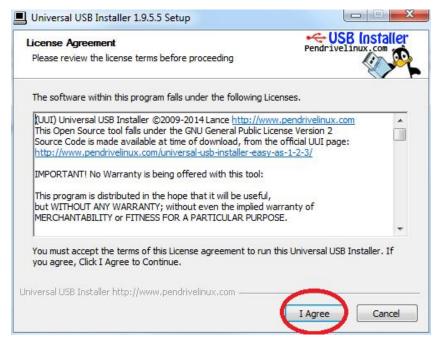


2. Click "Yes"

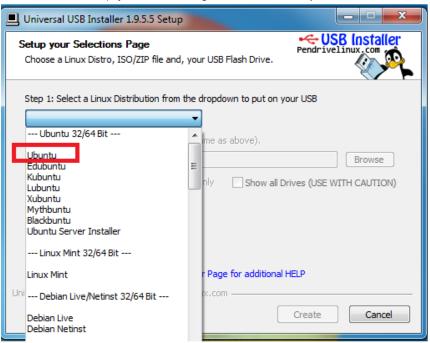


3. Click "I Agree"

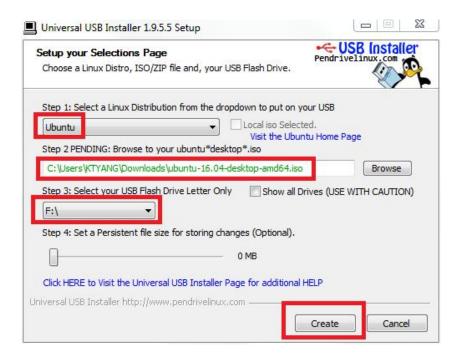
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Selection "Ubuntu" (if you are installing Ubuntu on server, please select "Ubuntu Server Installer").

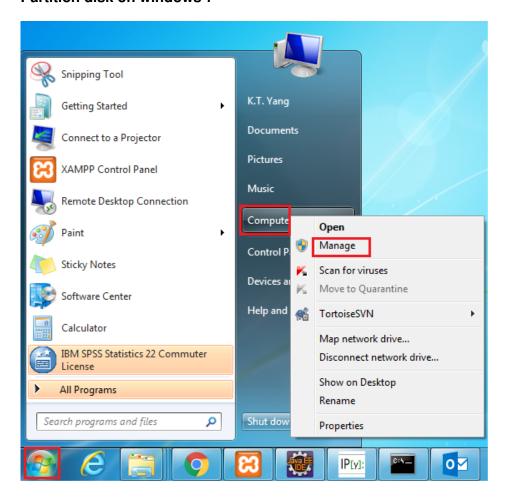


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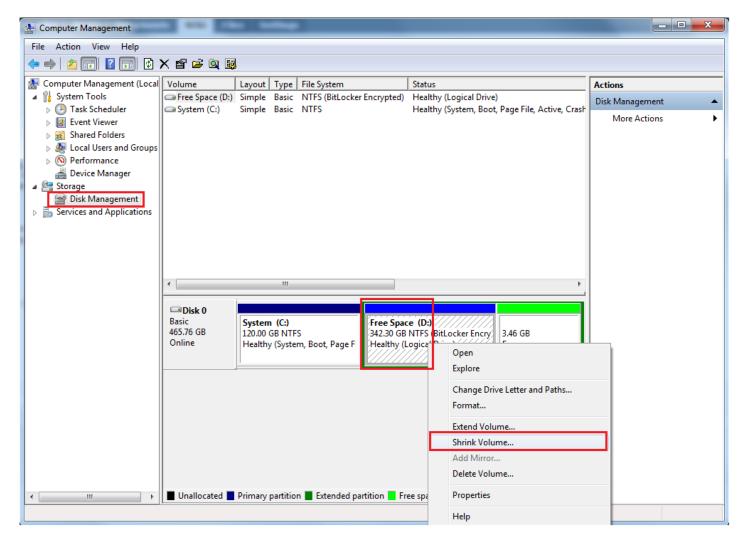


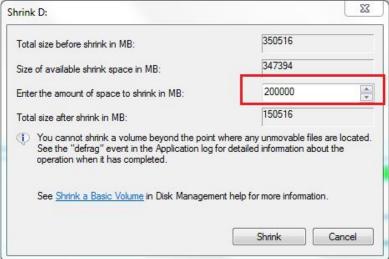
## **Install Ubuntu with windows 7**

#### Partition disk on windows 7

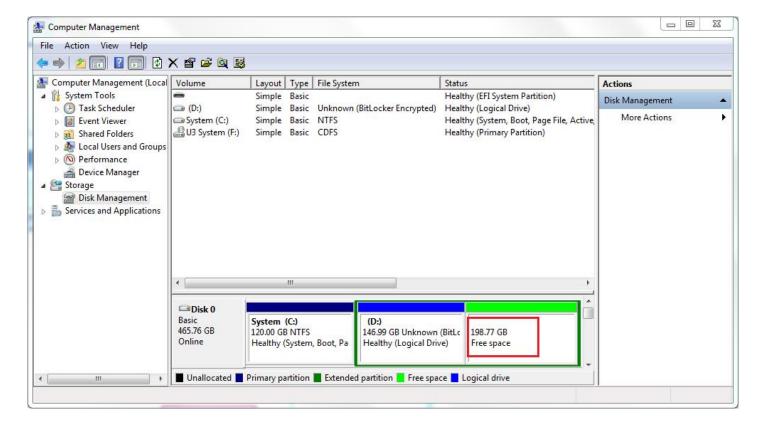


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#### **Install Ubuntu**

Please refer to this <u>link</u> for detailed steps of Ubuntu installation.

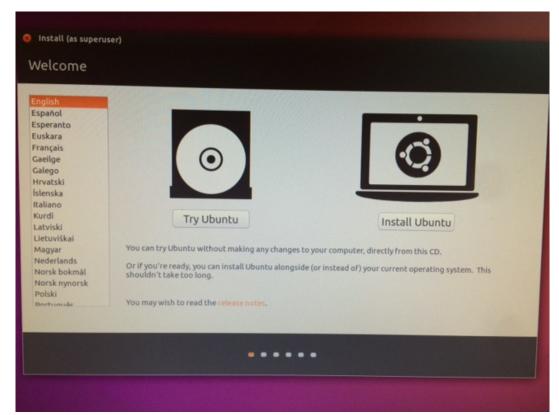
### Step 1



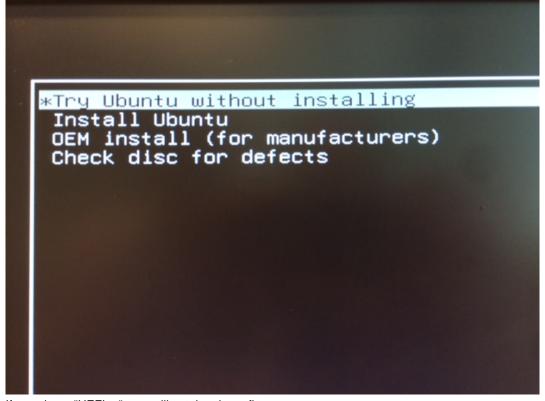
As shown in the above figure, there are two options for boot (USB and UEFI). You can choose either of them. For new computers, it is recommended to choose UEFI. For old computers which does not support UEFI, you can choose USB.

#### Step 2

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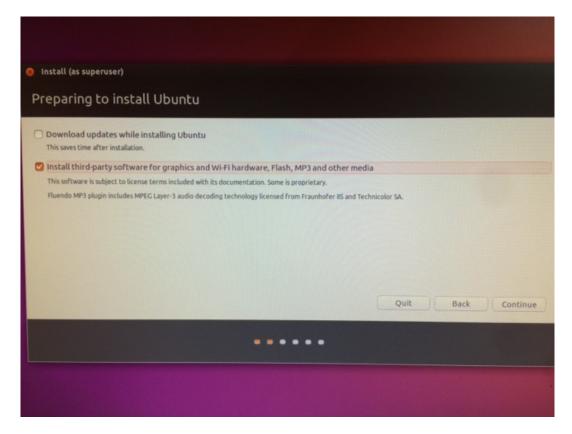
If you chose "USB Storage Device", you will get the above figure.



If you chose "UEFI ...", you will get the above figure.

## Step 3

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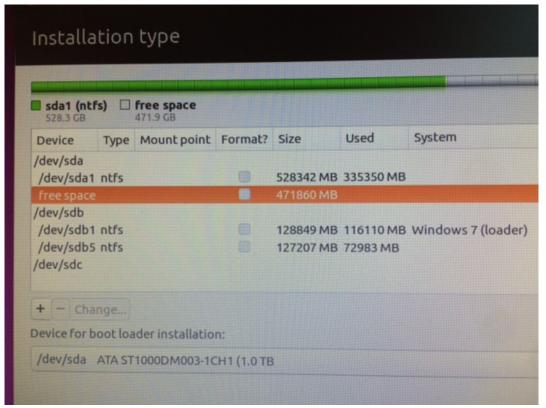


### Step 4

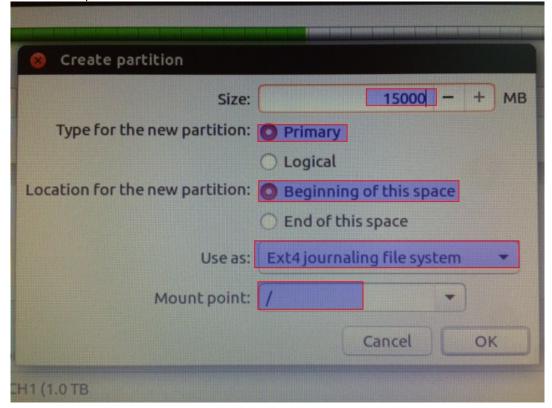
Install (as superuser)	
Installation type	
This computer currently has Windows 7 on it. What would you like to do?  Install Ubuntu alongside Windows 7 Documents, music, and other personal files will be kept. You can choose which operating system your compact of the work of the system your compact of the system	erating systems.
	Quit Back Continue
•••••	

Step 5

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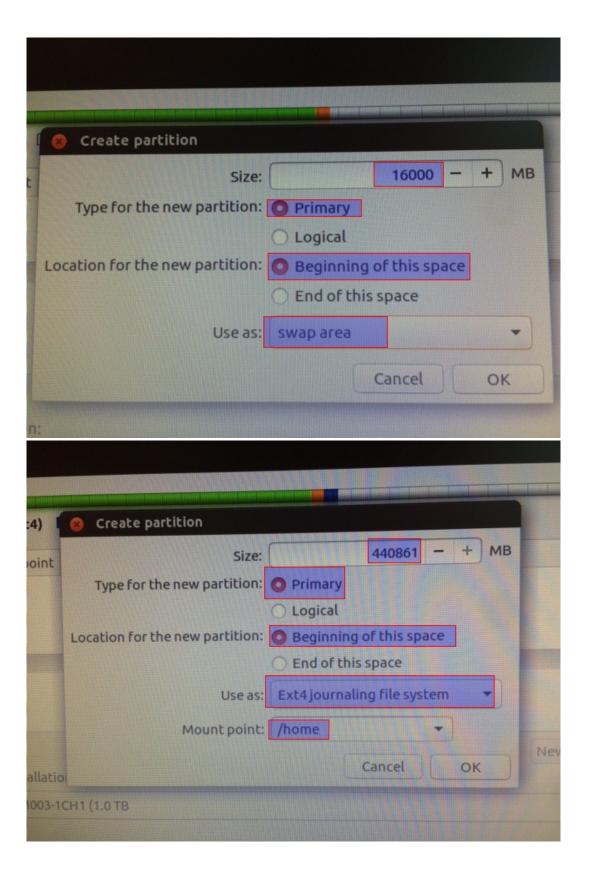


Select "Free space" and click "+"



set "swap" to about 20G, the rest to "/".

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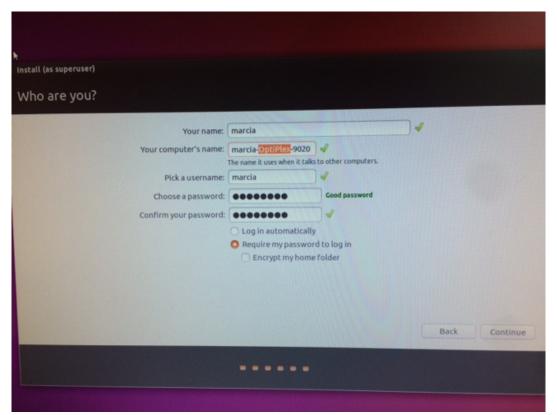
15.0 GB	sda1 (ntf	fs)	sda2 (ext4)	sda3 (li	nux-swap)	sda4 (e)	xt4)		
dev/sda	528.3 GB	Time	15.0 GB	16.0 GB	-	440.9 GB			
dev/sda1 ntfs     528342 MB 335350 MB       dev/sda2 ext4 /     14999 MB unknown       dev/sda3 swap     16000 MB unknown       dev/sda4 ext4 /home     440860 MB unknown       dev/sdb     128849 MB 116110 MB Windows 7 (loader)       dev/sdb5 ntfs     127207 MB 72983 MB	dev/sda	туре	mount point	rormat?	SiZe	Used	System		
dev/sda2 ext4 /     14999 MB		ntfs			528342 MR	335350 MB			
16000 MB	/dev/sda2	ext4	1						
dev/sda4 ext4 /home									
dev/sdb									
/dev/sdb5 ntfs	/dev/sdb								
/dev/sdb5 ntfs	/dev/sdb1	ntfs			128849 MB	116110 MB	Windows 7 (loader)		
- Change	/dev/sdbs	ntfs							
	+ - ch	ange						New Partition Table	
evice for boot loader installation:								New Partition Table	Rever
/dev/sda ATA ST1000DM003-1CH1 (1.0 TB	evice for t								

Step 6

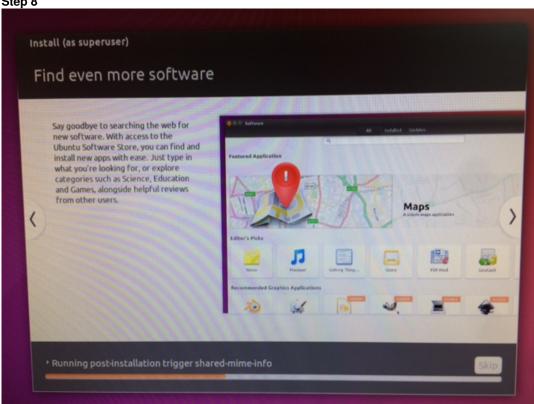
Install (as superuser)	
Keyboard layout	
Choose your keyboard layout: Dzongkha English (Cameroon) English (Chana) English (Nigeria) English (South Africa) English (UK) English (US) Esperanto Estonian Faroese Filipino Finnish French Type here to test your keyboard	English (US)  English (US) - Cherokee  English (US) - English (Colemak)  English (US) - English (Dvorak alternative international no dead keys English (US) - English (Dvorak)  English (US) - English (Dvorak, international with dead keys)  English (US) - English (Macintosh)  English (US) - English (Programmer Dvorak)  English (US) - English (US, alternative international)  English (US) - English (US, international with dead keys)  English (US) - English (US, with euro on 5)  English (US) - English (Workman)  English (US) - English (Workman)
Detect Keyboard Layout	
	Back Continue

Step 7

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#### Step 8



#### **Files**

1 1100			
USB-Installer-and-Ubuntu.PNG	47.5 KB	05/30/2016	Kai-Tao Yang
USB-Installer-yes.PNG	26.2 KB	05/30/2016	Kai-Tao Yang
USB-Installer-agree.PNG	41.2 KB	05/30/2016	Kai-Tao Yang
USB-Ubuntu-selection.png	49.8 KB	05/30/2016	Kai-Tao Yang
USB-installer-final-step.PNG	33.6 KB	05/30/2016	Kai-Tao Yang
Disk-manage.png	189 KB	06/01/2016	Kai-Tao Yang
Disk-shrink.png	83.9 KB	06/01/2016	Kai-Tao Yang

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Disk-shrink-size.PNG	20.5 KB	06/01/2016	Kai-Tao Yang
Disk-new-volume.png	65.6 KB	06/01/2016	Kai-Tao Yang
step1.JPG	77.9 KB	06/12/2016	Kai-Tao Yang
step2.JPG	83.5 KB	06/12/2016	Kai-Tao Yang
step2.1.JPG	70.6 KB	06/12/2016	Kai-Tao Yang
step3.JPG	73.1 KB	06/12/2016	Kai-Tao Yang
step4.JPG	80.4 KB	06/12/2016	Kai-Tao Yang
step5-6-7.JPG	101 KB	06/12/2016	Kai-Tao Yang
step5.JPG	86.5 KB	06/12/2016	Kai-Tao Yang
step6.JPG	80.5 KB	06/12/2016	Kai-Tao Yang
step7.JPG	86.9 KB	06/12/2016	Kai-Tao Yang
step5-6-7-done.JPG	86.6 KB	06/12/2016	Kai-Tao Yang
step8.JPG	90.6 KB	06/12/2016	Kai-Tao Yang
step9.JPG	74.8 KB	06/12/2016	Kai-Tao Yang
step10.JPG	94.4 KB	06/12/2016	Kai-Tao Yang

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