Practical: 02

- **Aim:-** installation of OS and other Software and understanding Dual Booting.

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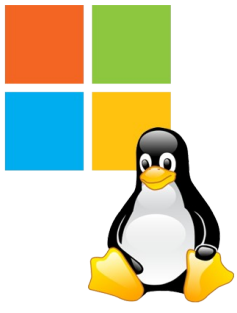
- Create a live USB or disk.
- Make a new partition for Linux Deepin.
- Boot in to live USB.
- Start the installation.
- Prepare the partition.
- Create root, swap and home.
- Finishing the installation

Note:-

here is the step of Duel Booting Windows 10 and Linux
We use a Deepin OS a part from Linux.



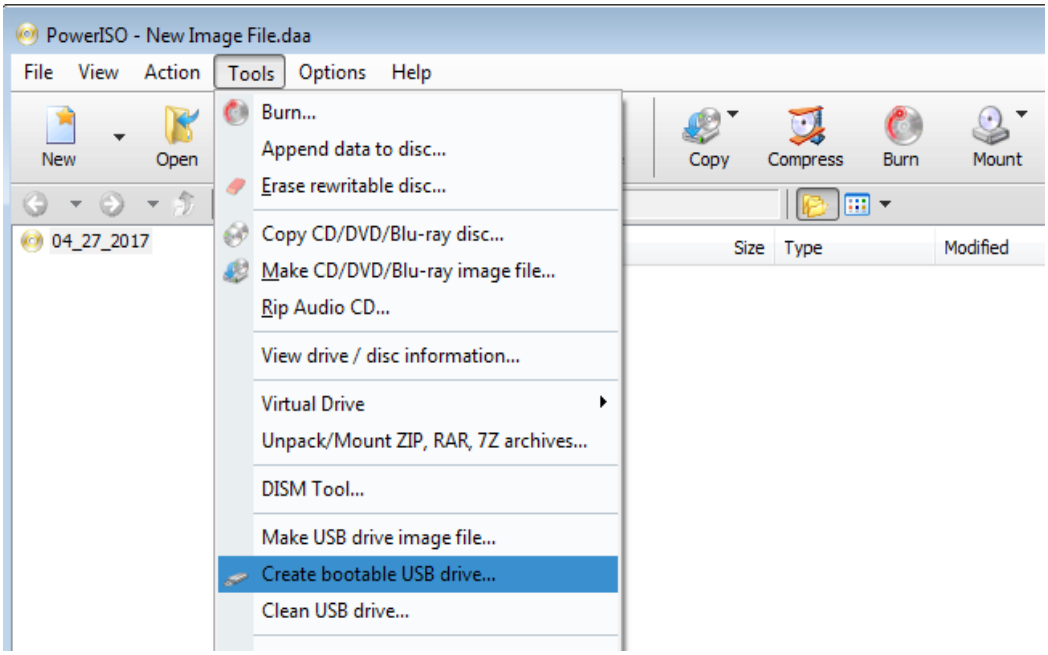
Create a live USB or disk

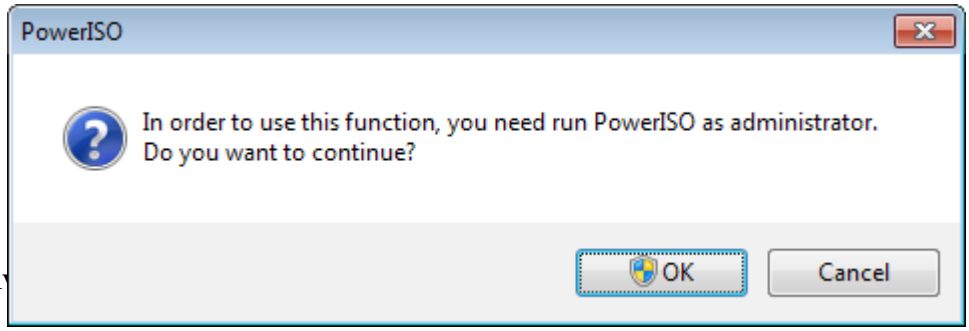
- Go to Linux Deepin website and download ISO file. This ISO file is the disk image that you can burn to a USB or DVD.
- Download PowerISO software from https://www.poweriso.com/download.php .

1. Start PowerISO

2. Insert the USB drive you intend to boot from.

3. hoose the menu "Tools > Create Bootable USB Drive". The "Create Bootable USB Drive" dialog will popup. If you are using Windows Vista or above operating system, you need confirm the UAC dialog to continue.





4. In "Create Bootable USB Drive" dialog, click "..." button to open the iso file of Windows operating system.

5. Select the correct USB drive from the "Destination USB Drive" list if multiple USB drives are connected to the computer.

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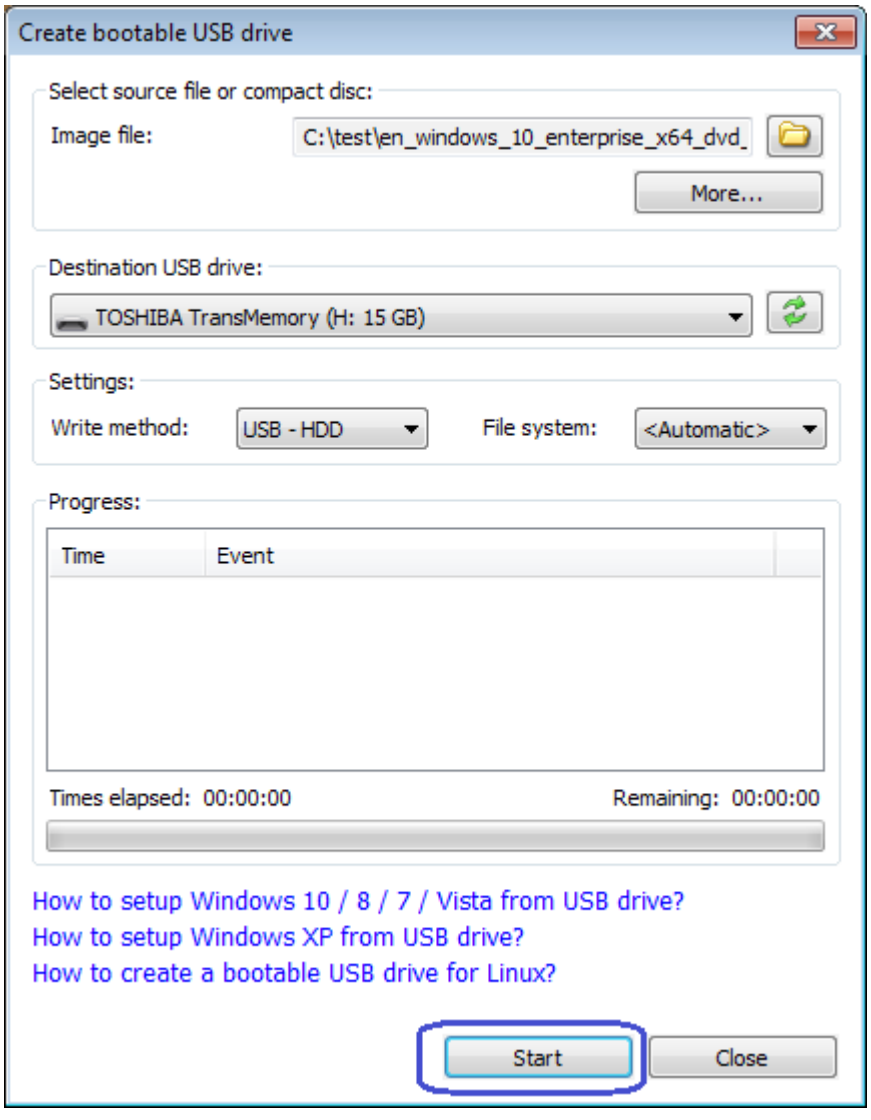
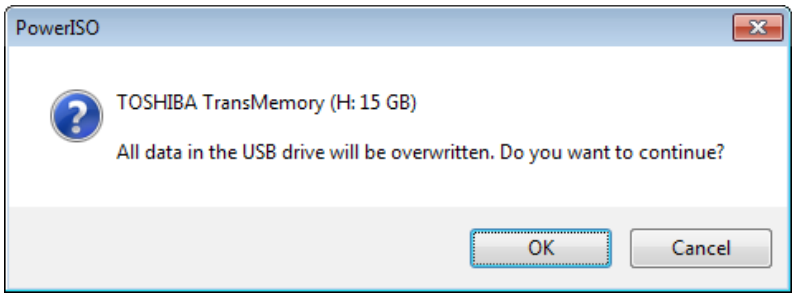
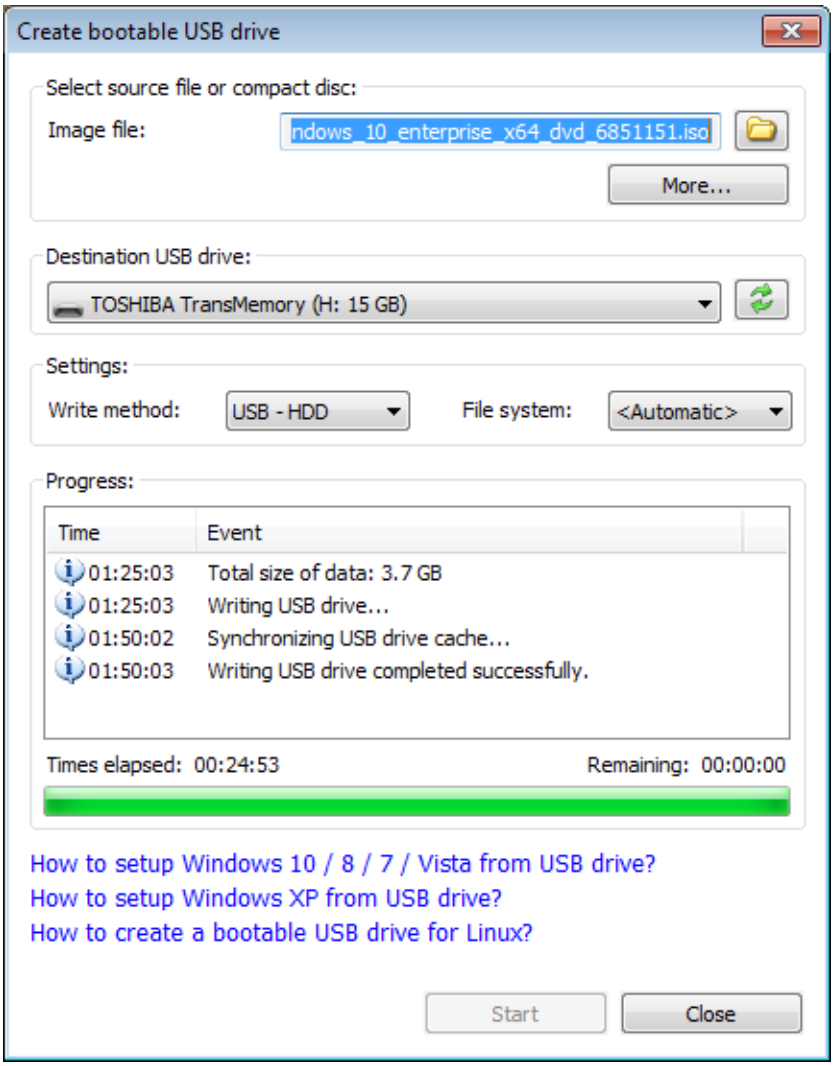
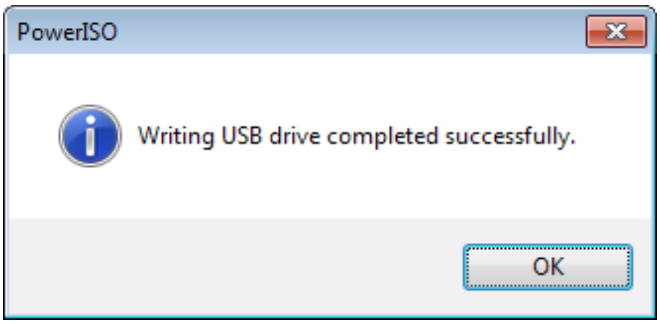
7. Choose the proper writing method. "USB-HDD" is recommended.



8. Click "Start" button to start creating bootable USB drive.

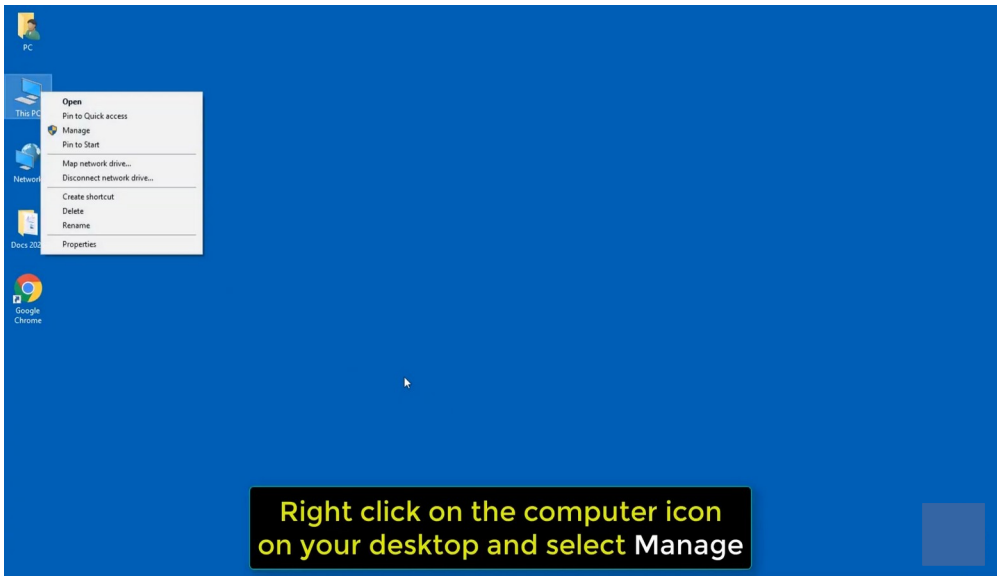




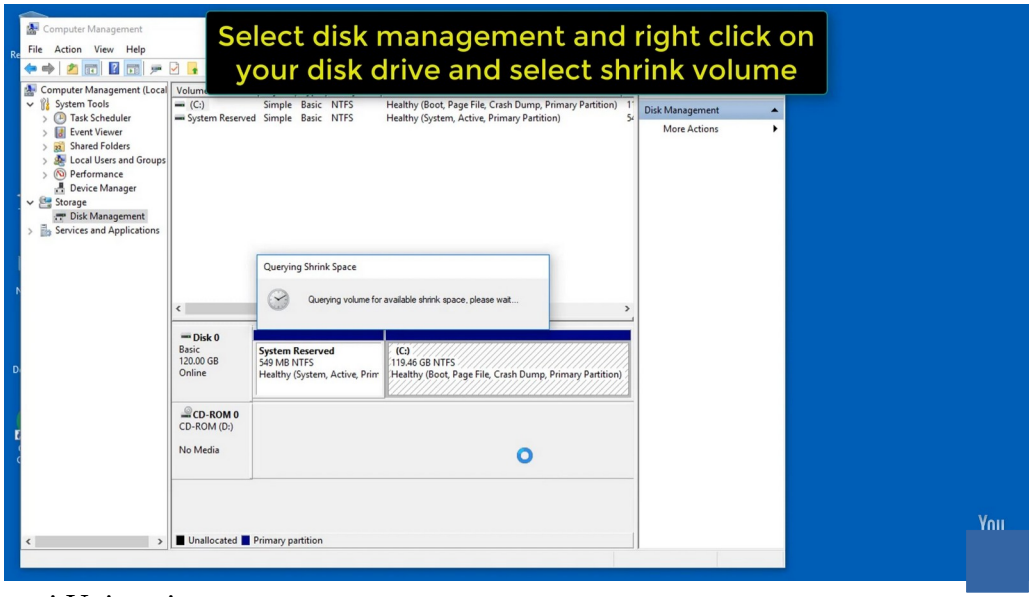


Make a new partition for Linux Deepin.

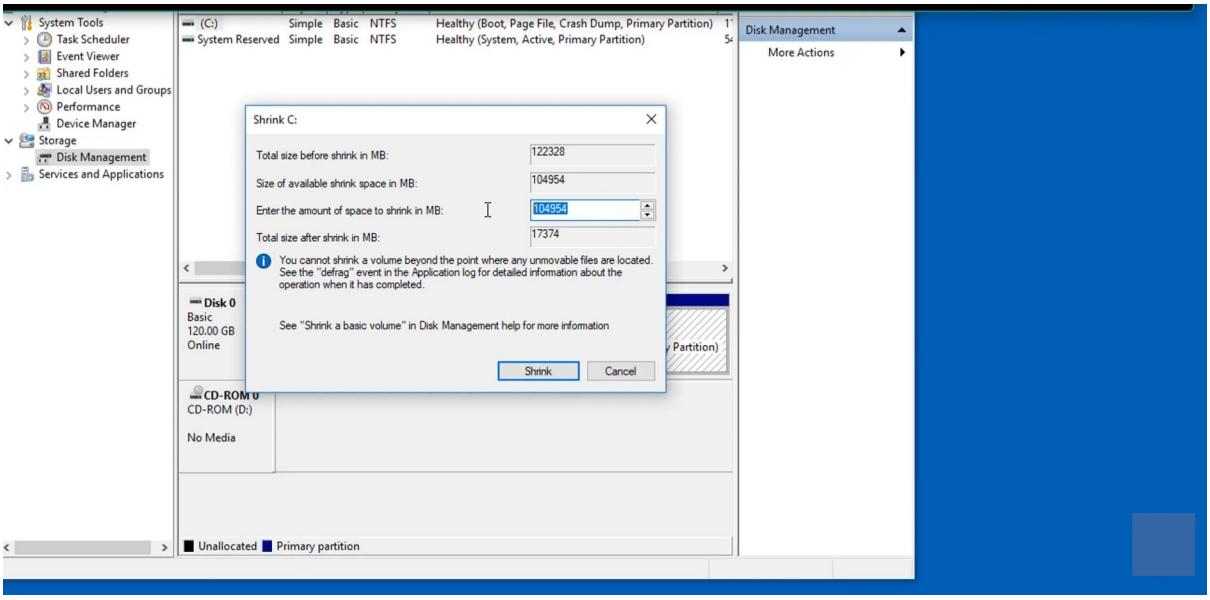
- Right click on the computer icon and select Manage



- Select the disk management and Right Click on your disk drive and select shrink volume



- Add the amount of storage for the Deepin Linux OS.



- Now your partition is ready fort installing Linux.
- So let’s move to the next step….

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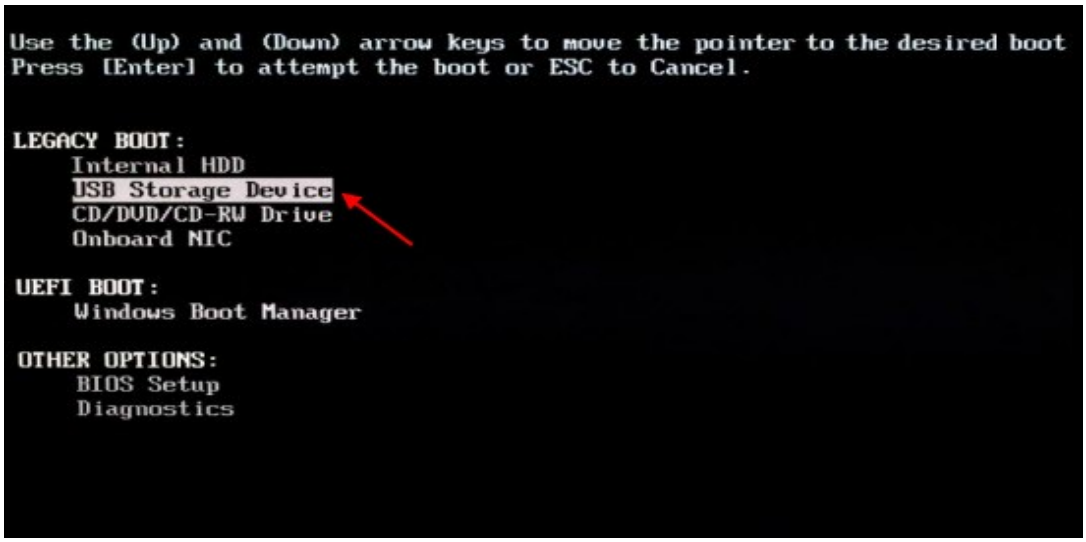
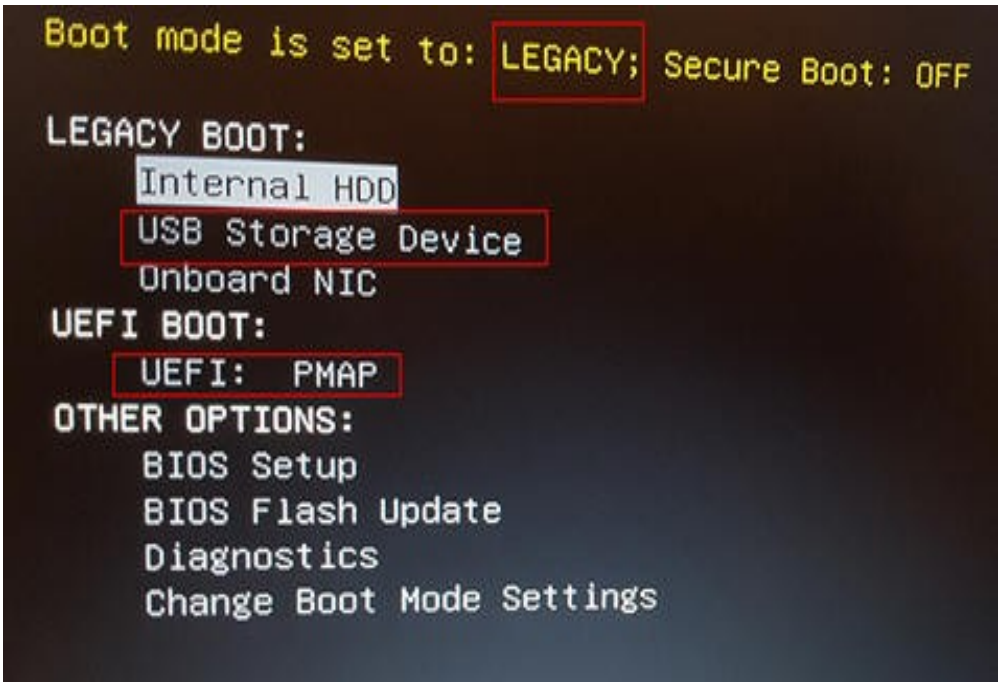
Boot in to Live USB

- Press the Power button for your computer.

- During the initial startup screen, press ESC, F1, F2, F8 or F10.



- When you choose to enter BIOS Setup, the setup utility page will appear.



- Using the arrow keys on your keyboard, select the BOOT tab

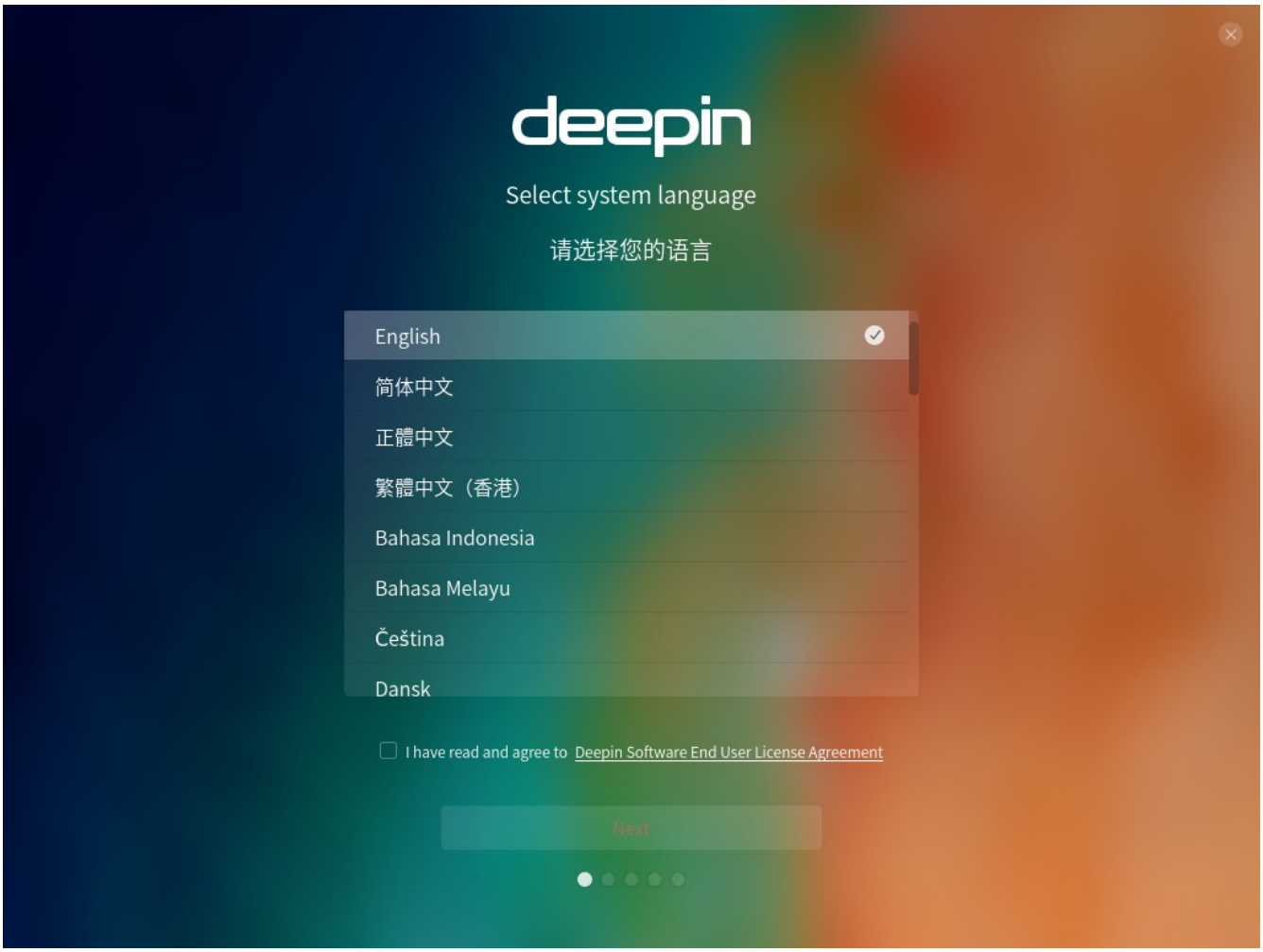
- Move USB to be first in the boot sequence.

BOOT keys for different different laptops

1. DELL => F12
2. HP => F10 & F2* & F6*
3. Acer => F12
4. Lenovo => F12* & Fn + F12
5. Asus => F8*

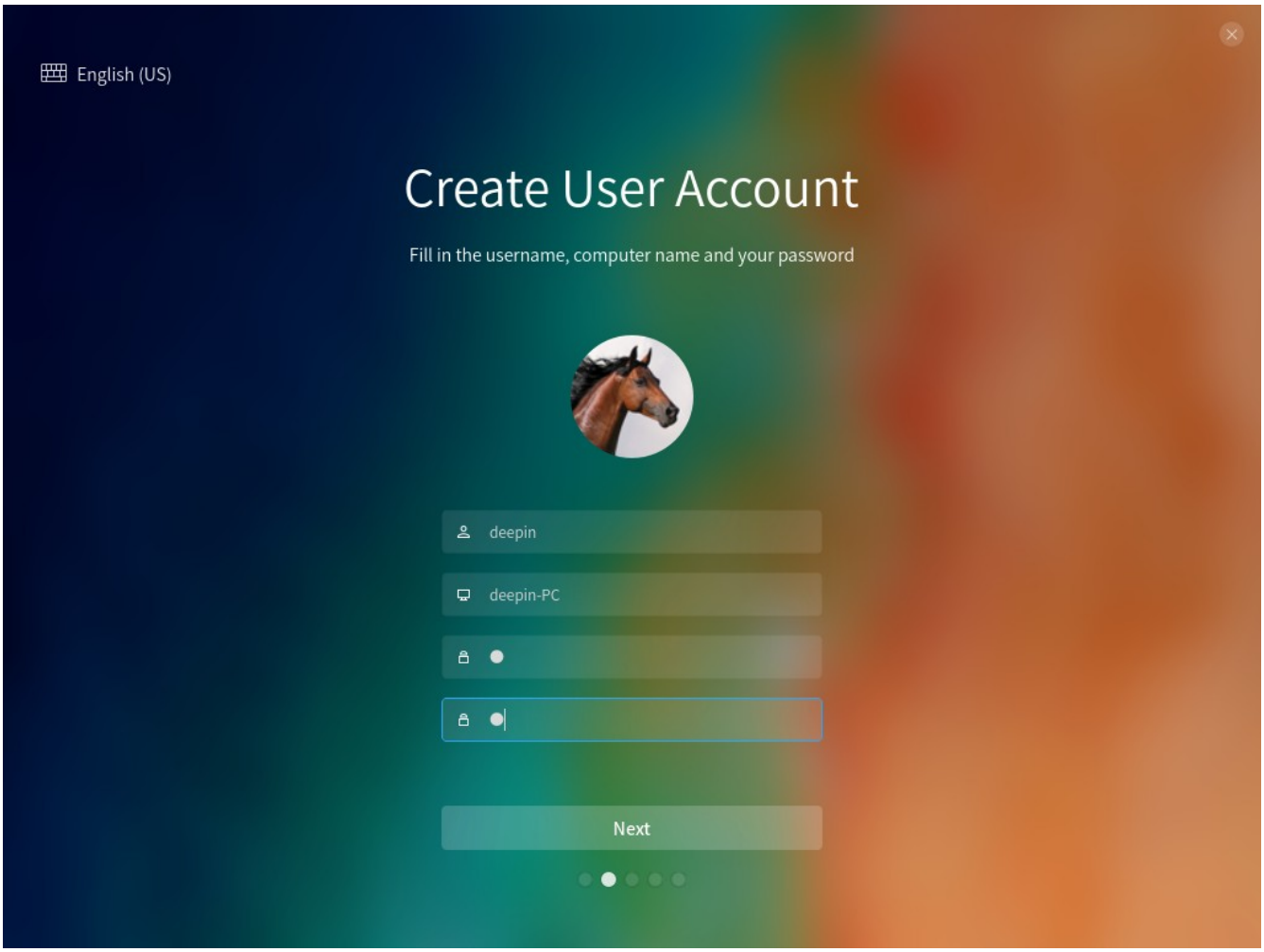
Start the Installation

- Enter the installation interface and choose the language you want to install.



- Click on “I agree with T&C” and Click Next

- Enter the account settings, input username and password.



- Click Next

HDD Partition

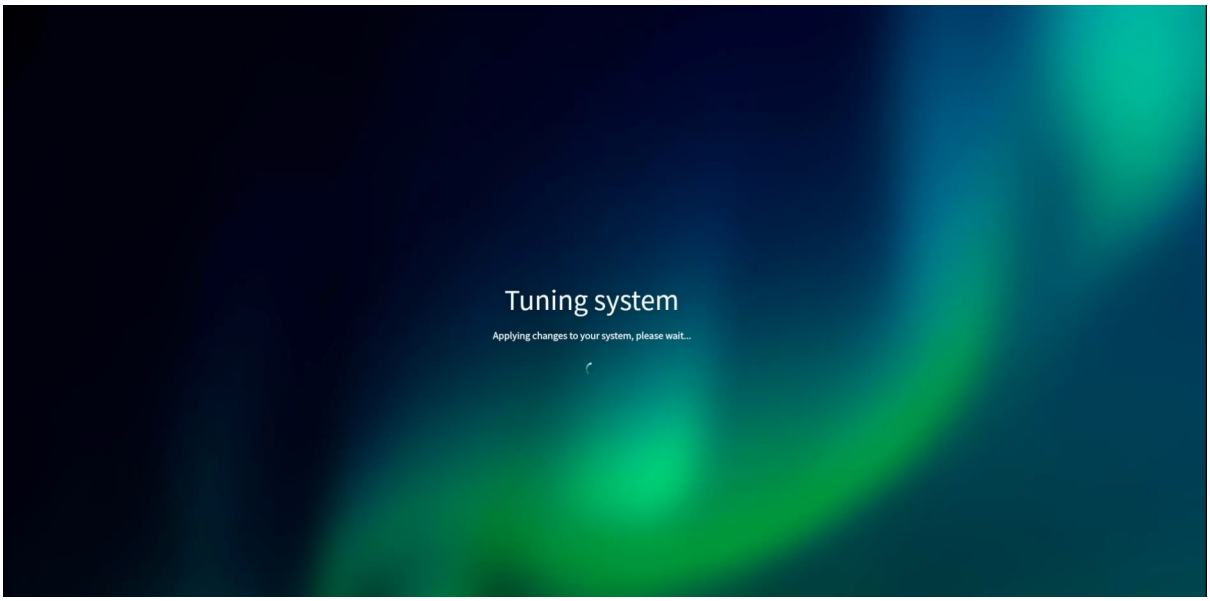
This step is important one but quit simple. whoever new for Linux then better hit Install button, it will automatically format entire disk and install deepin 20.

- If you want a dual-boot configuration, select a partition besides your Windows partition or your installed operating system.
- Be careful not to install on your EFI partition.
- You can create partitions using Linux live media, your installed operating system partition editor, or the Advanced section for editing partitions.
- To do a single boot configuration, select your installed operating system partition.
- Your computer needs at least 16 GB of storage space for installation.
- You will need to have enough storage space for a swap partition.

Mount point	**Name**	**File system**	**Size**
/	root (required)	EXT4(recommend)	more than 10G
/home	home (recommend)	EXT4(recommend)	more than 10G
swap	swap(optional)	None	Not set 4G memory should get 2G size, memory more than 4G can ignore

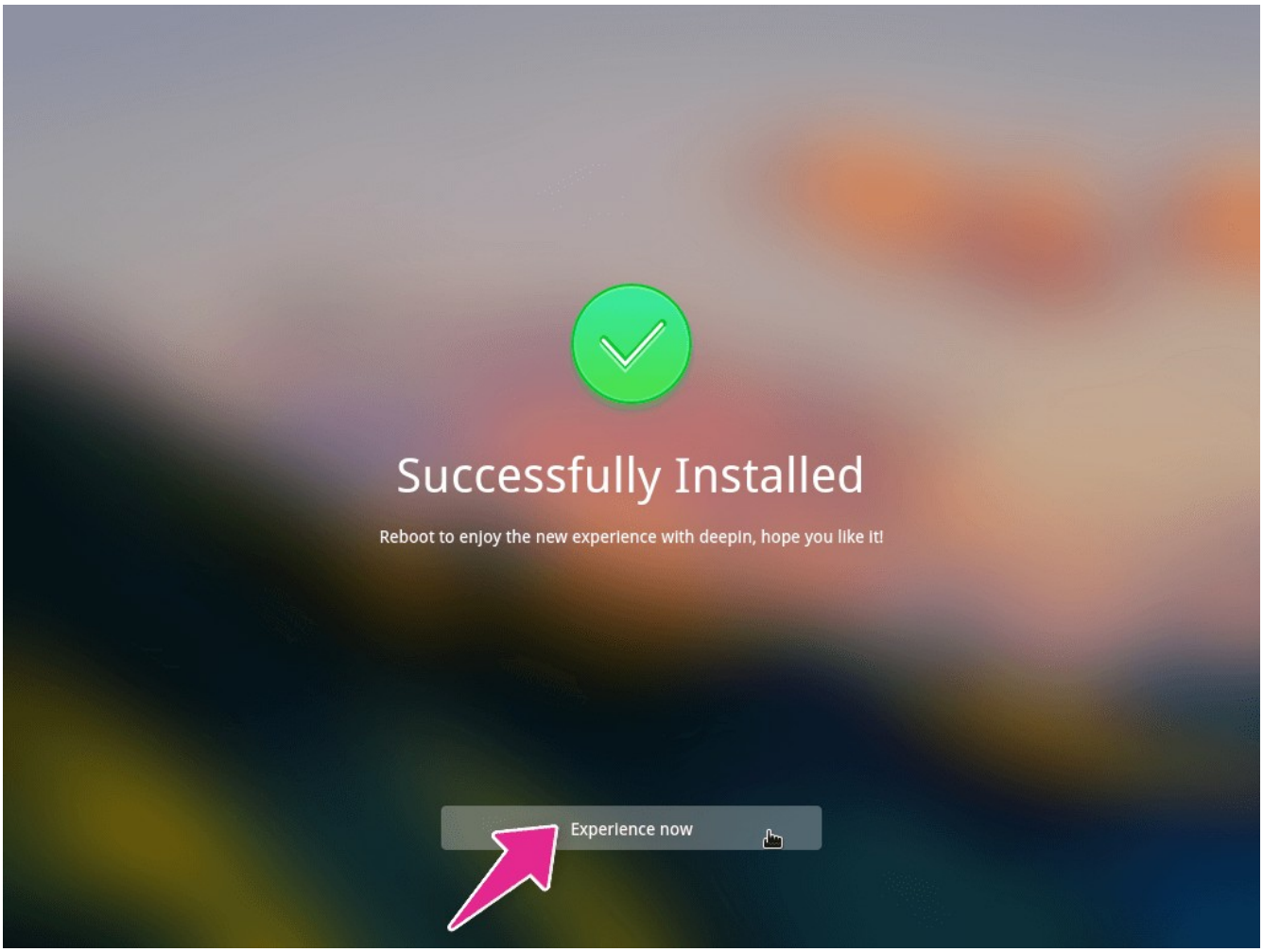
Finishing installation

Now, wait until the installation process is done and.



Installation process depend on your system configuration.

Wait for a while :)



- Your computer will reboot into the black screen Grub menu.
- where it asks you to choose your Operating System between Deepin and Windows 10.
- wait 10 seconds it will open Deepin because Deepin OS is designated as default OS to boot from.