



Yeastar K2 Software Installation Guide

Version 1.4

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Yeastar Information Technology Co. Ltd.

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Introduction

What is Yeastar K2 Software?

Yeastar K2 Software is a Linux distribution with Yeastar IPPBX. You have multiple choices to install the Yeastar K2 Software:

- Install the Yeastar K2 Software with a USB flash drive.
- Install the Yeastar K2 software on a virtual machine.
- Burn the Yeastar K2 disc image (ISO file) into a DVD or CD, and install the Linux-based operation system on your PC.

Supported VM Platforms

Tested and supported VM(Virtual Machine) platforms:

- VMware 12.0 or later
- Hyper-v-6.3.9600.16384 or later
- KVM 2.5.0 or later

Hardware Requirements

System performance depends on the following key factors:

- How many concurrent calls will the system handle
- Which codecs are used to make calls
- If call recording is used.

Based on the factors, your system hardware should meets the minimal requirements:

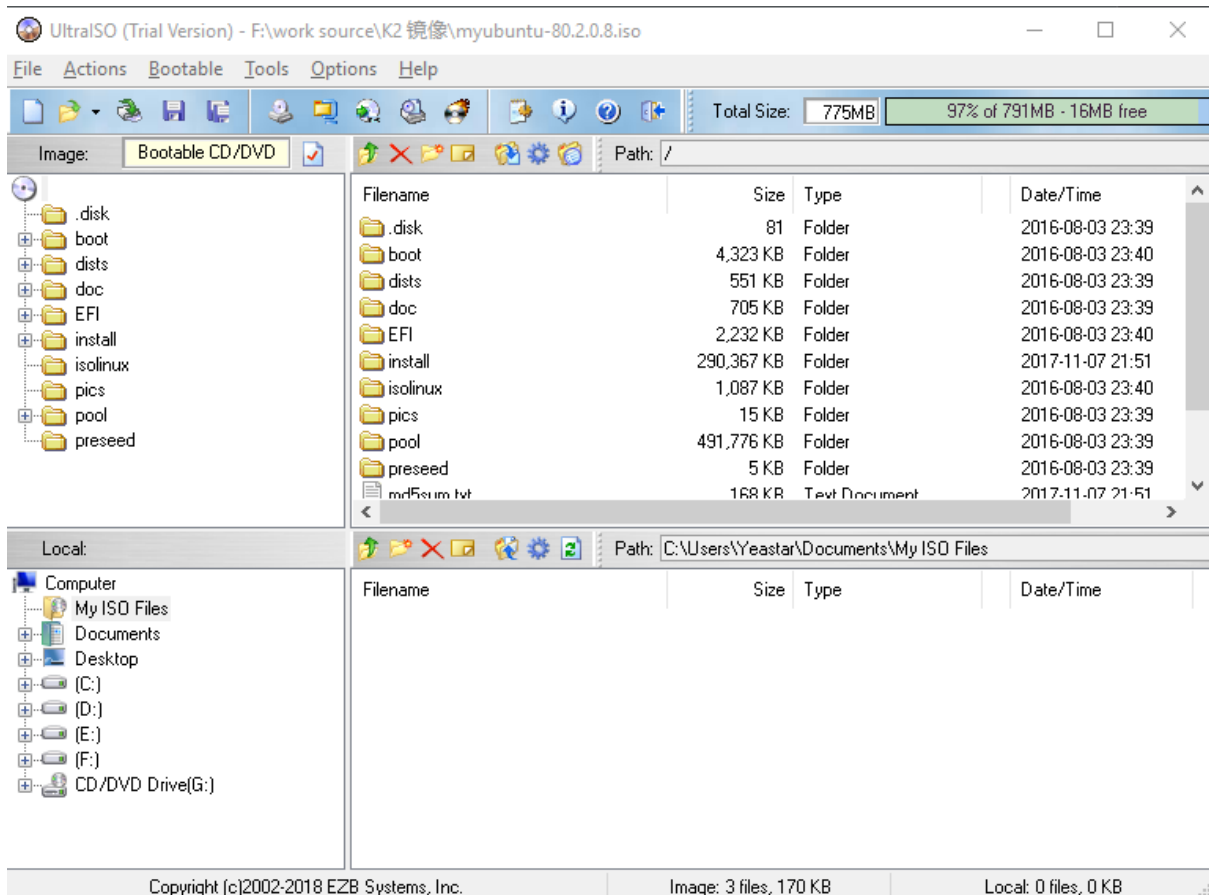
Hardware	500 Concurrent Calls
CPU	E3-1240 (3.5GHz, 8M Cache, 4C/8T)
RAM	8G
Hard Disk (Without Recording)	50G
Hard Disk (With Recording)	1T

Write K2 Image in a USB

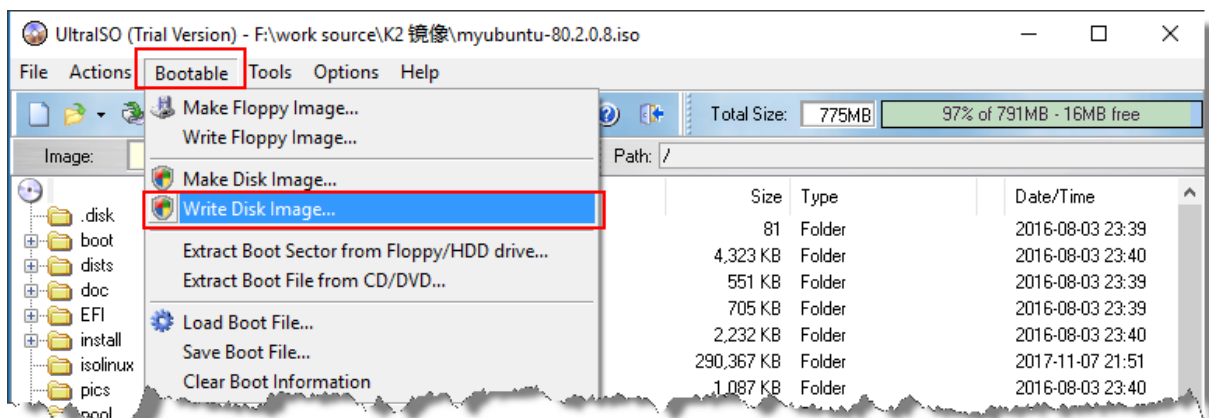
The instructions below introduces how to write K2 image in a USB via UltraISO.

[Download UltraISO free trial version here.](#)

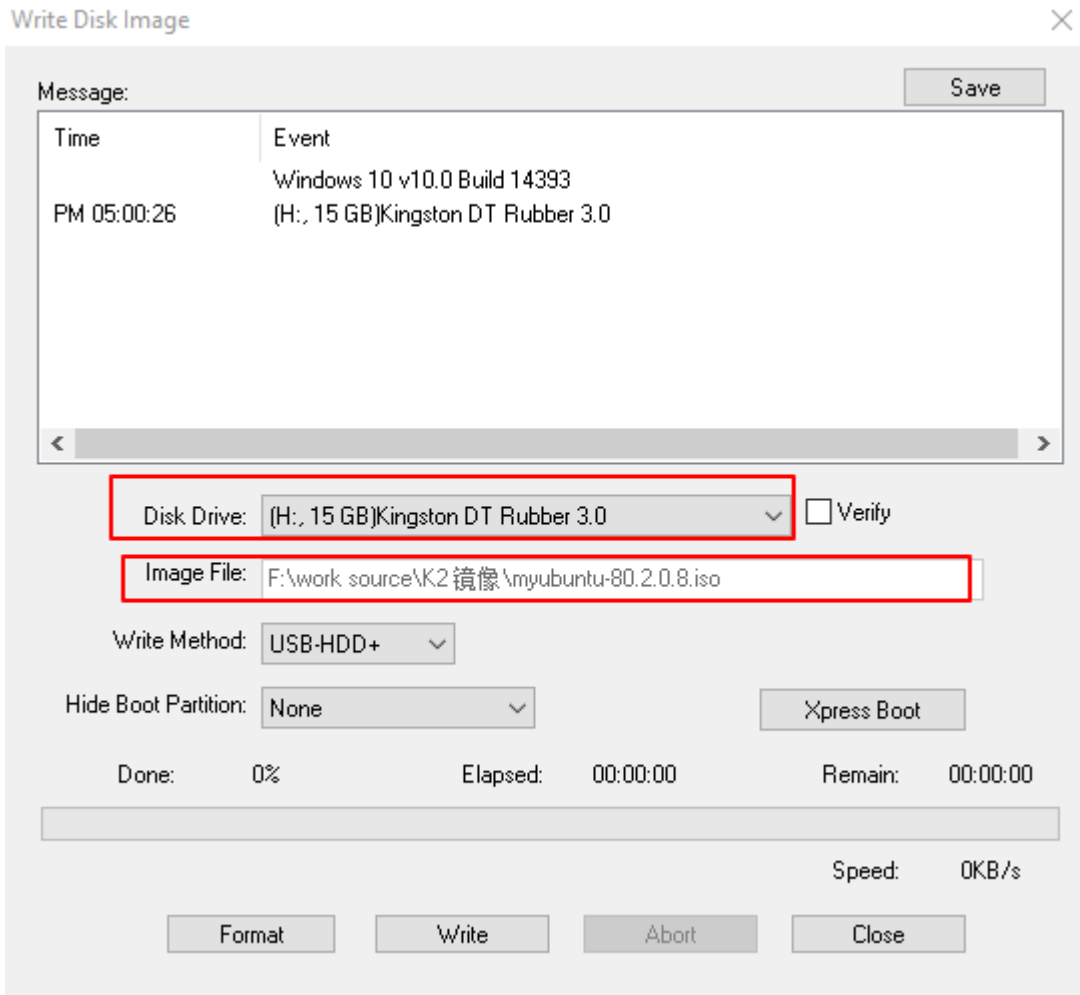
1. Format your USB with FAT32.
2. Open the K2 image file via UltraISO.



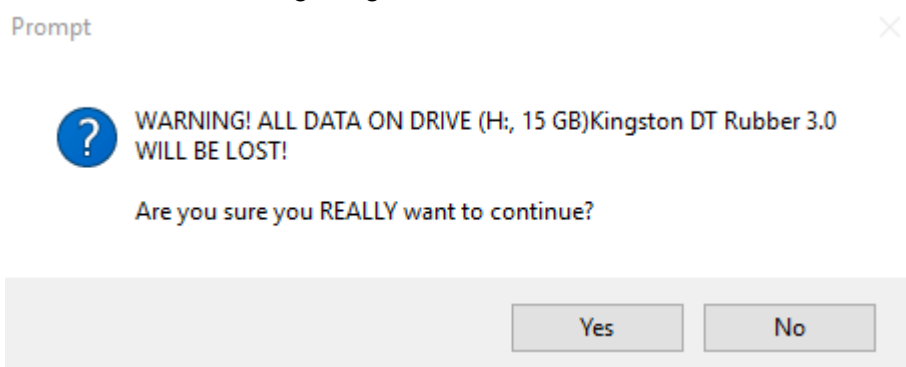
3. Click **Bootable > Write Disk Image**.



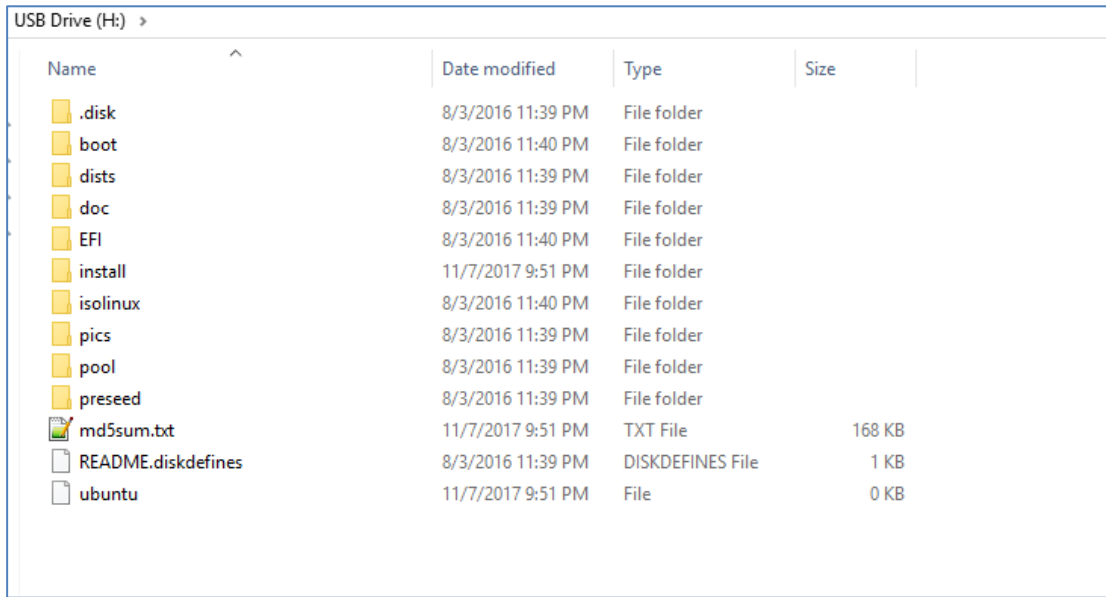
- Choose **Disk Drive** as your USB drive, and choose the K2 image file, then click **Write**.



- Click **Yes** to start writing image.



6. After the process of writing image is completed, you can check your USB. The USB should contain the files as the following figure shows.



Name	Date modified	Type	Size
.disk	8/3/2016 11:39 PM	File folder	
boot	8/3/2016 11:40 PM	File folder	
dists	8/3/2016 11:39 PM	File folder	
doc	8/3/2016 11:39 PM	File folder	
EFI	8/3/2016 11:40 PM	File folder	
install	11/7/2017 9:51 PM	File folder	
isolinux	8/3/2016 11:40 PM	File folder	
pics	8/3/2016 11:39 PM	File folder	
pool	8/3/2016 11:39 PM	File folder	
preseed	8/3/2016 11:39 PM	File folder	
md5sum.txt	11/7/2017 9:51 PM	TXT File	168 KB
README.diskdefines	8/3/2016 11:39 PM	DISKDEFINES File	1 KB
ubuntu	11/7/2017 9:51 PM	File	0 KB

Install Yeastar K2 Software

1. [Configure language and location](#)
2. [Configure the keyboard](#)
3. [Plan and create partition disks](#)
4. [Install the system.](#)

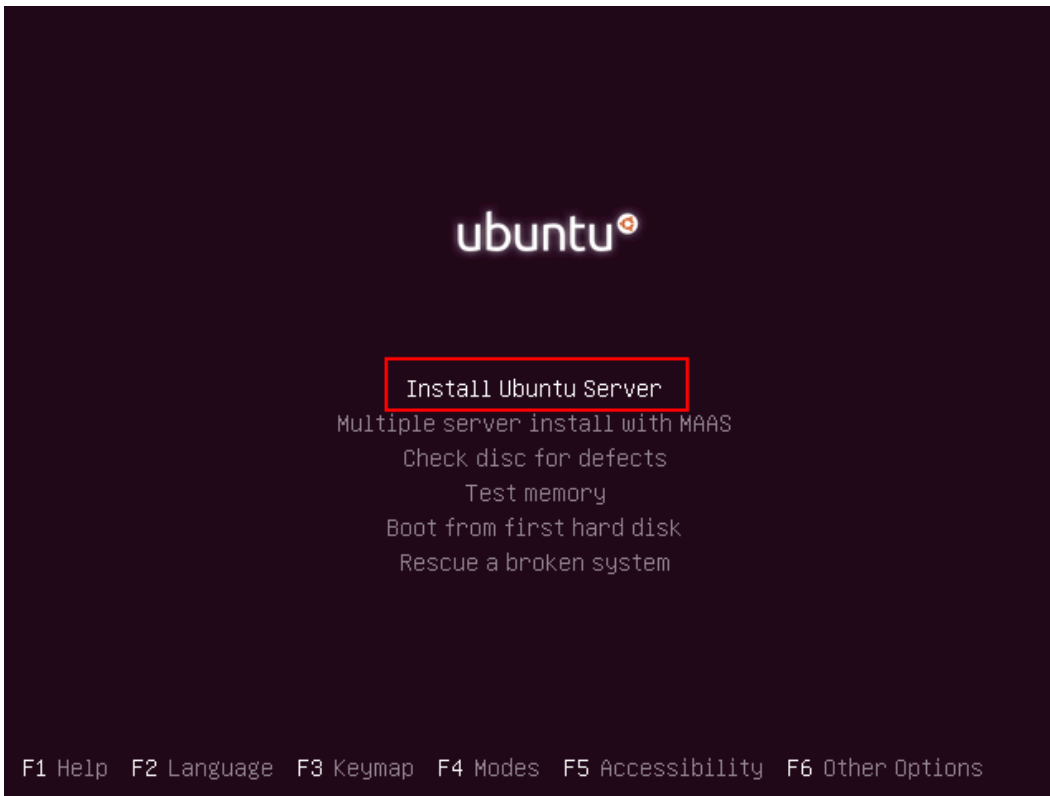
Configure Language and Location

The installer will begin with a prompt to select a language for the installation wizard.

1. Select a language for the installation wizard.



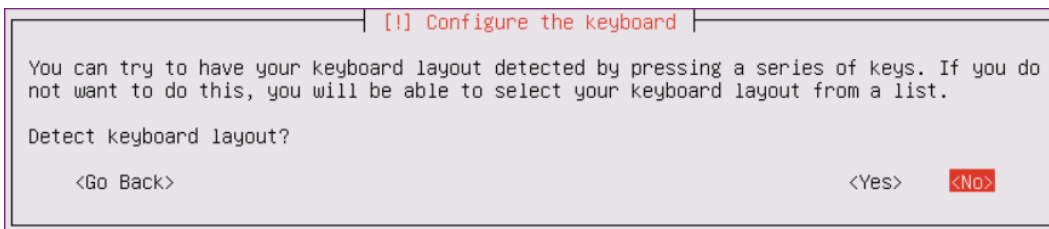
2. Select Install Ubuntu Server.



3. Select a language.
4. Select your location.

Configure the Keyboard.

1. Do not detect keyboard layout, select **NO**.



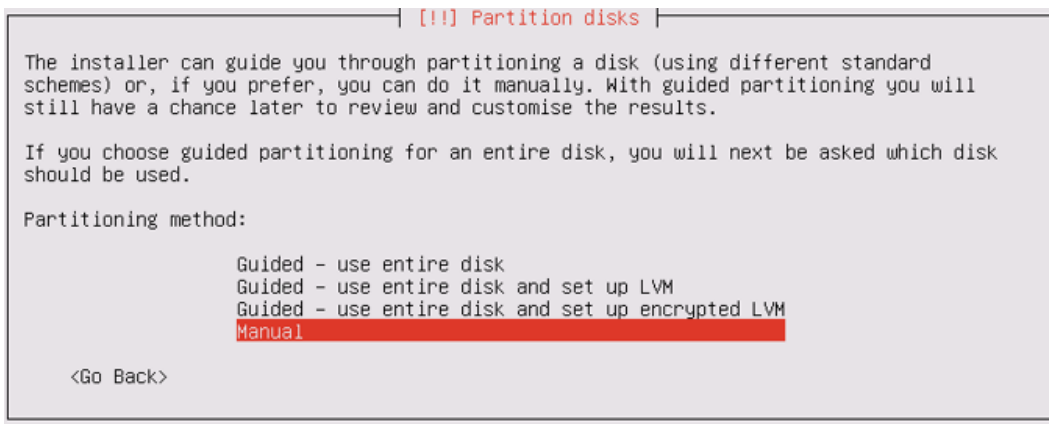
2. Select country for the keyboard.
3. Select language of the keyboard.

Plan and Create Partition Disks

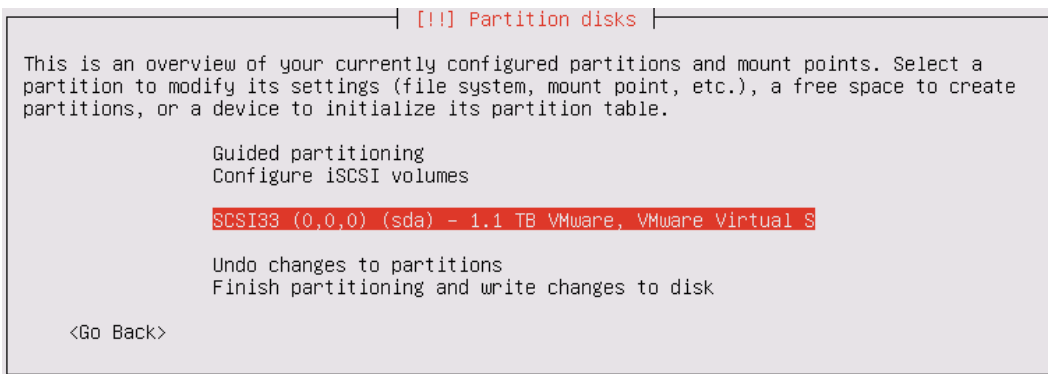
You need to create three partition disks as the following:

Partition	Use as	Mount Point	Recommend Disk Size
Partition 1	Journaling file system	/	50G
Partition 2	Journaling file system	/home	Minimal 50G + reserved size for storing recording files
Partition 3	Swap area	-	10G

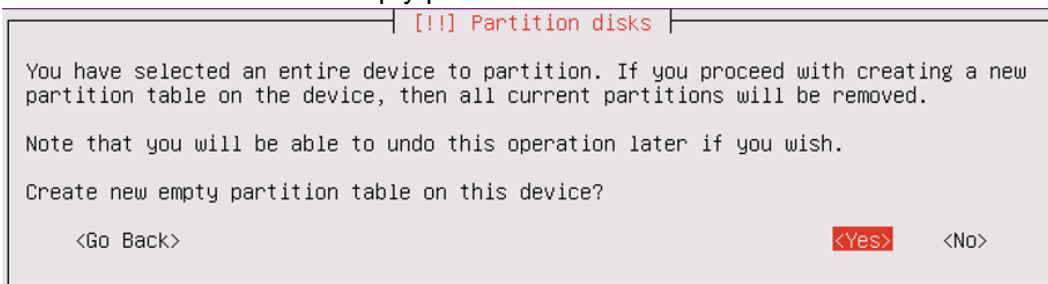
1. Select **Manual** method.



2. Select the partition of the virtual machine.

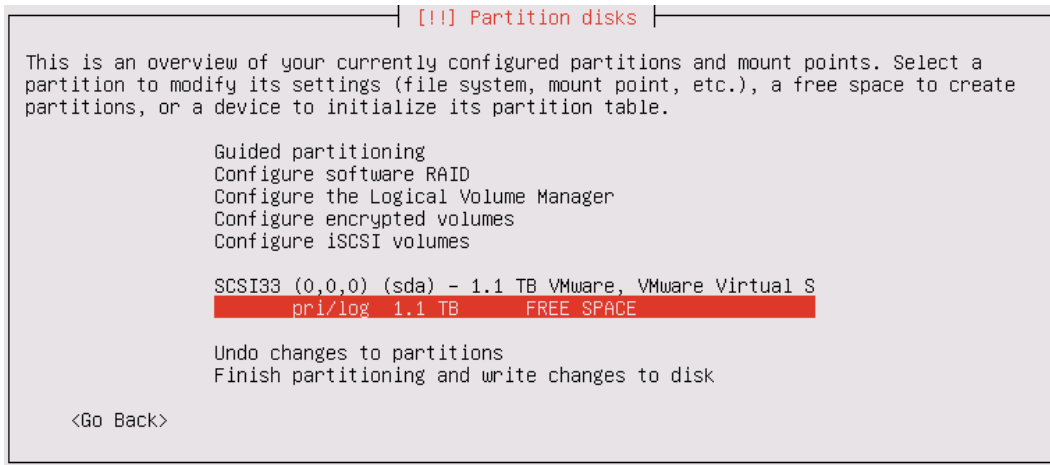


3. Select **Yes** to create new empty partition table on this device.



4. Create partition 1.

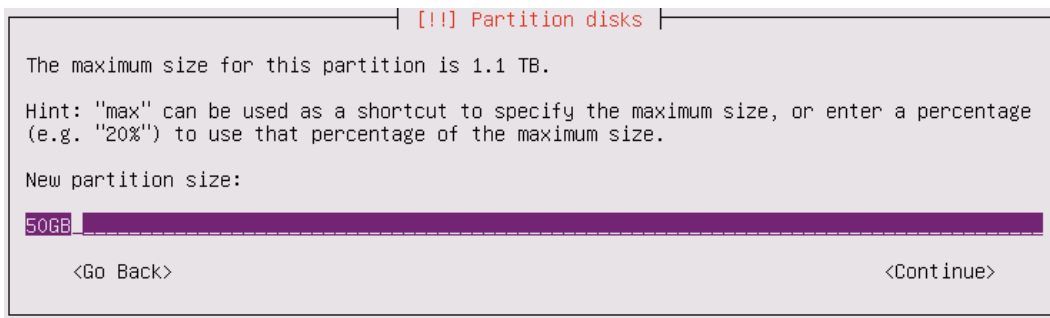
a) Select the **FREE SPACE** to create a new partition.



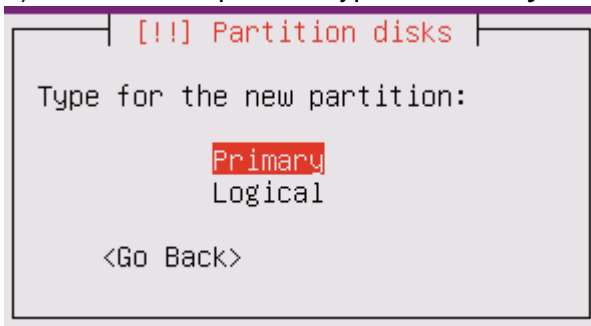
b) Select **Create a new partition**.



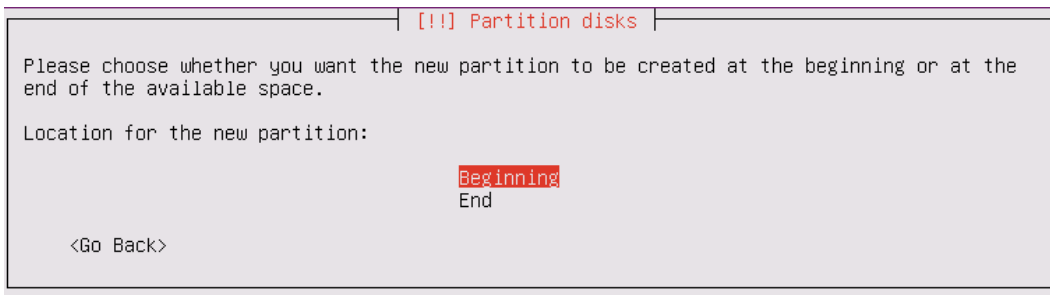
c) Set the partition size.



d) Choose the partition type as **Primary**.

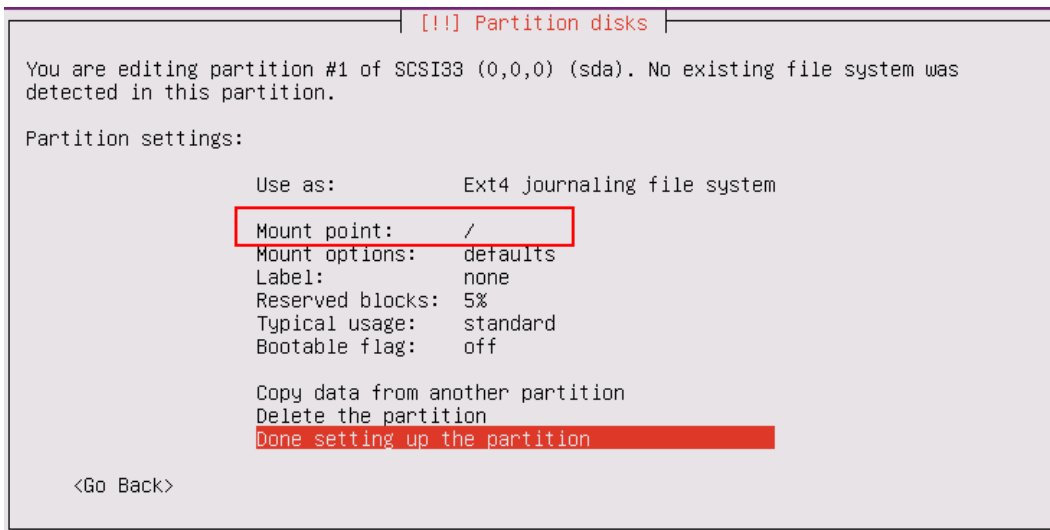


e) Select location for the partition as **Beginning**.



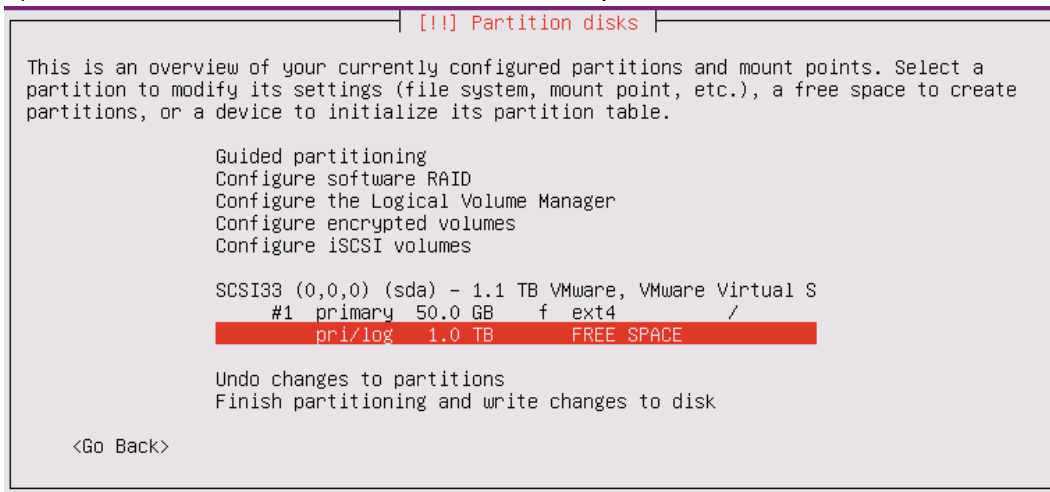
f) Set **Use as, Mount point** for the partition 1, then select **Done settings up the partition**.

- ✓ Use as: Ext4 journaling file system
- ✓ Mount point: /



5. Create partition 2.

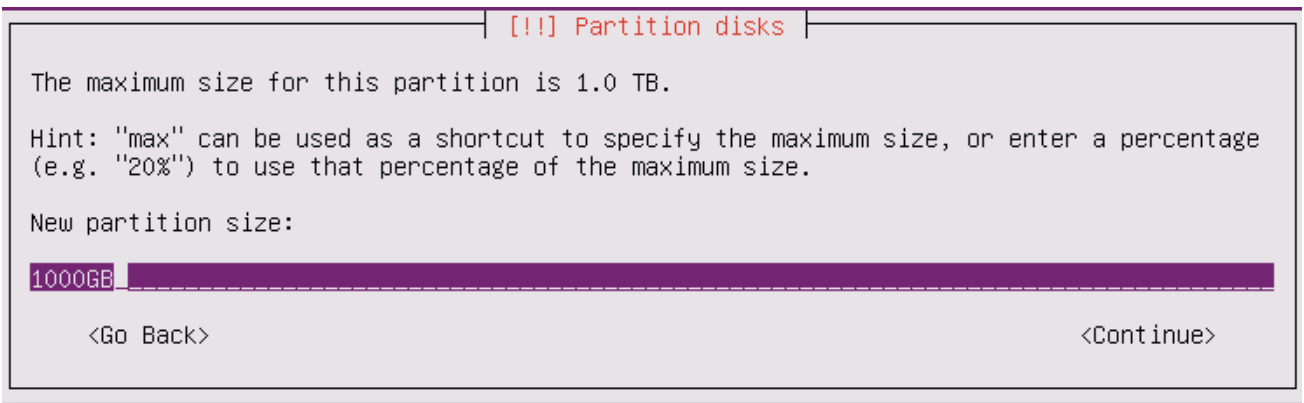
a) Select the **FREE SPACE** to create a new partition.



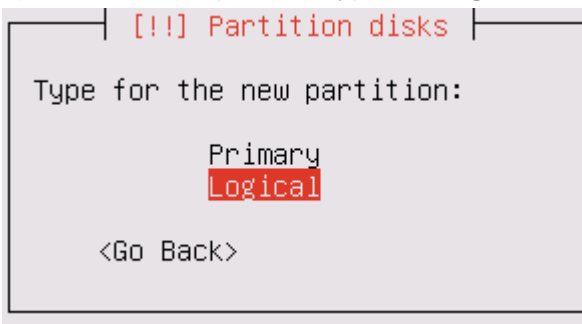
b) Select **Create a new partition**.



c) Set the partition size.



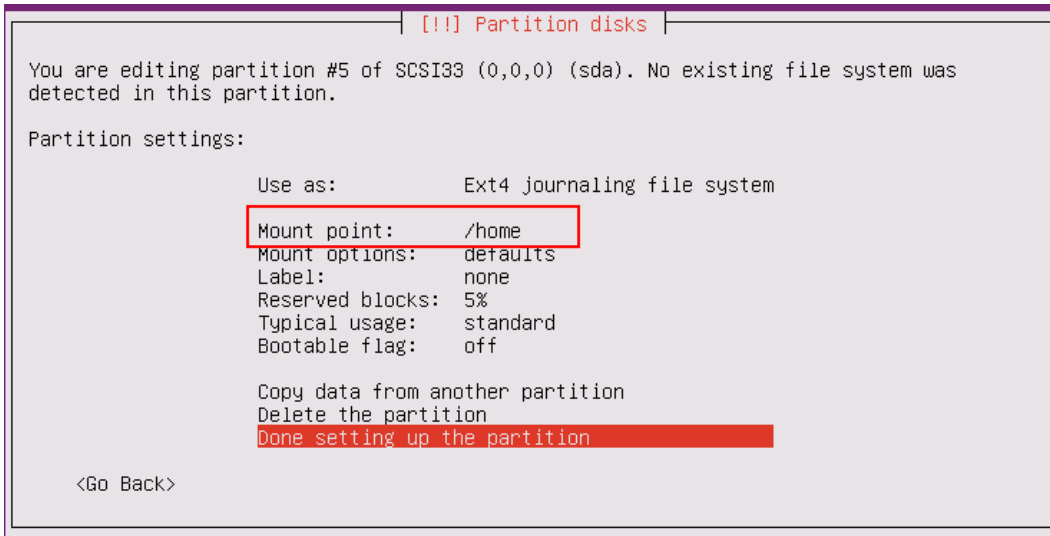
d) Choose the partition type as **Logical**.



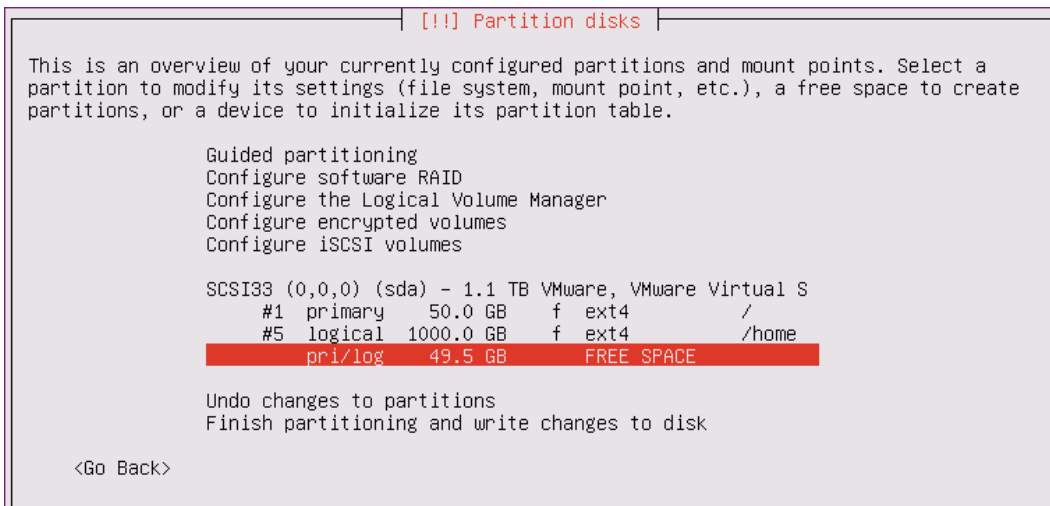
e) Select location for the partition as **Beginning**.



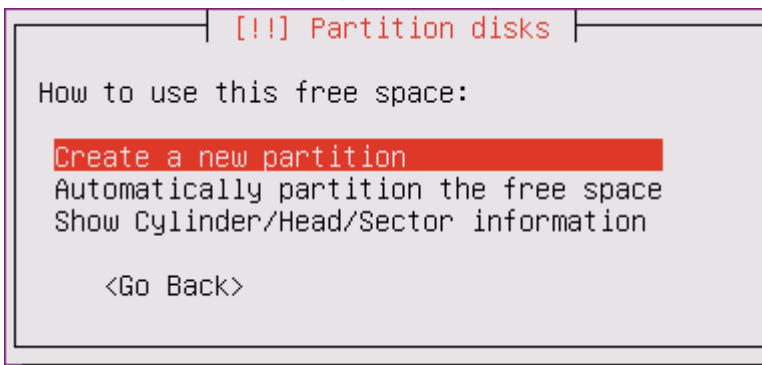
- f) Set **Use as**, **Mount point** for the partition 2, then select **Done settings up the partition**.
 - ✓ Use as: Ext4 journaling file system
 - ✓ Mount point: /home



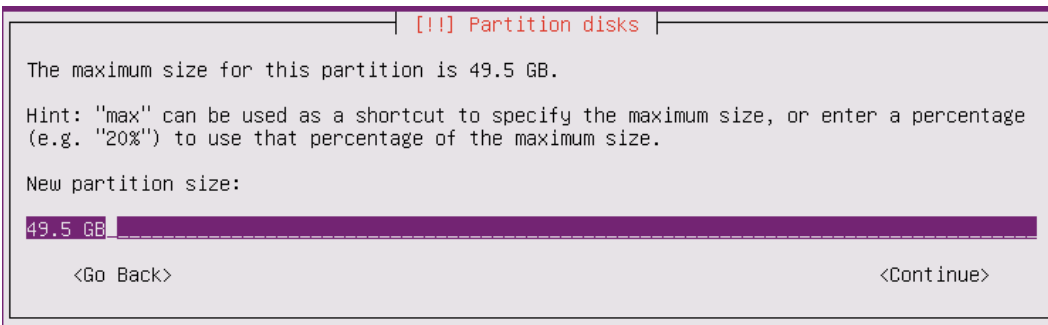
- 6. Create partition 3.
 - a) Select the **FREE SPACE** to create a new partition.



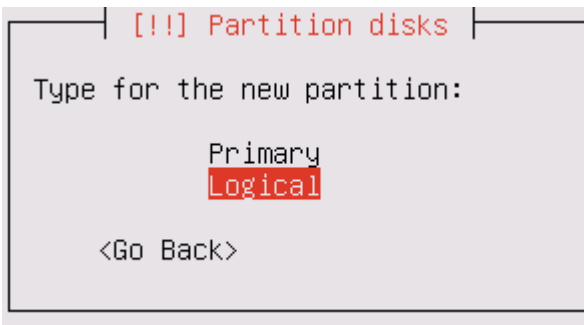
- b) Select **Create a new partition**.



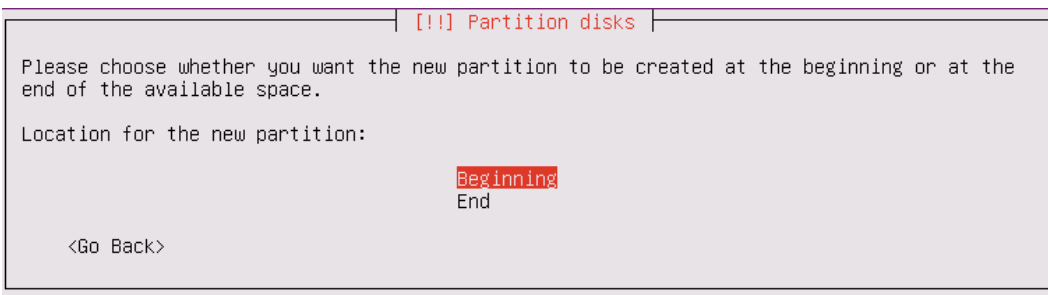
c) Set the partition size.



d) Choose the partition type as **Logical**.

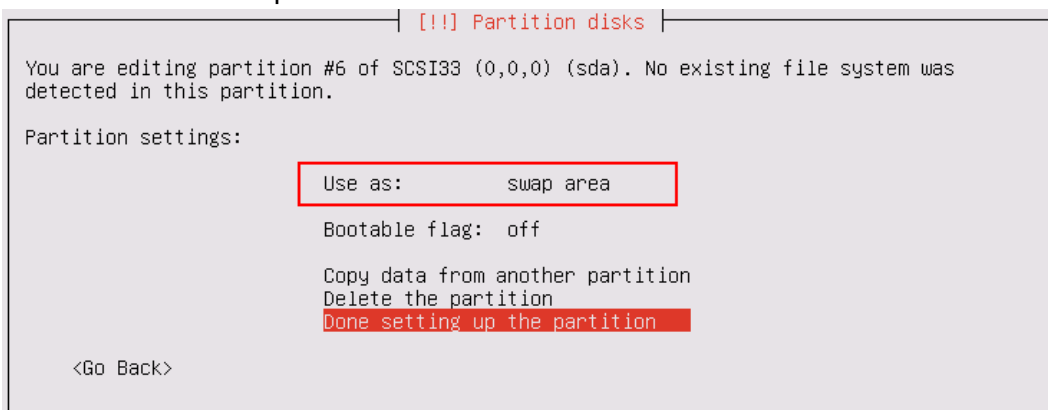


e) Select location for the partition as **Beginning**.



f) Set **Use as, Mount point** for the partition 3, then select **Done settings up the partition**.

✓ Use as: swap area



7. Select Finish partitioning and write changes to disk.

```

[!] Partition disks

This is an overview of your currently configured partitions and mount points. Select a
partition to modify its settings (file system, mount point, etc.), a free space to create
partitions, or a device to initialize its partition table.

    Guided partitioning
    Configure software RAID
    Configure the Logical Volume Manager
    Configure encrypted volumes
    Configure iSCSI volumes

SCSI33 (0,0,0) (sda) - 1.1 TB VMware, VMware Virtual S
#1 primary 50.0 GB f ext4 /
#5 logical 1000.0 GB f ext4 /home
#6 logical 49.5 GB f swap swap

Undo changes to partitions
Finish partitioning and write changes to disk
<Go Back>

```

8. Select Yes, write the changes to disks.

```

[!] Partition disks

If you continue, the changes listed below will be written to the disks. Otherwise, you
will be able to make further changes manually.

The partition tables of the following devices are changed:
SCSI33 (0,0,0) (sda)

The following partitions are going to be formatted:
partition #1 of SCSI33 (0,0,0) (sda) as ext4
partition #5 of SCSI33 (0,0,0) (sda) as ext4
partition #6 of SCSI33 (0,0,0) (sda) as swap

Write the changes to disks?

<Yes> <No>

```

Install the System

After finishing partitioning and write changes to disk, the virtual machine starts to install the system. Wait for a few minutes for the installation.

1. Select No automatic updates.

Important: Do not select other options.

```

[!] Configuring tasksel

Applying updates on a frequent basis is an important part of keeping your system secure.

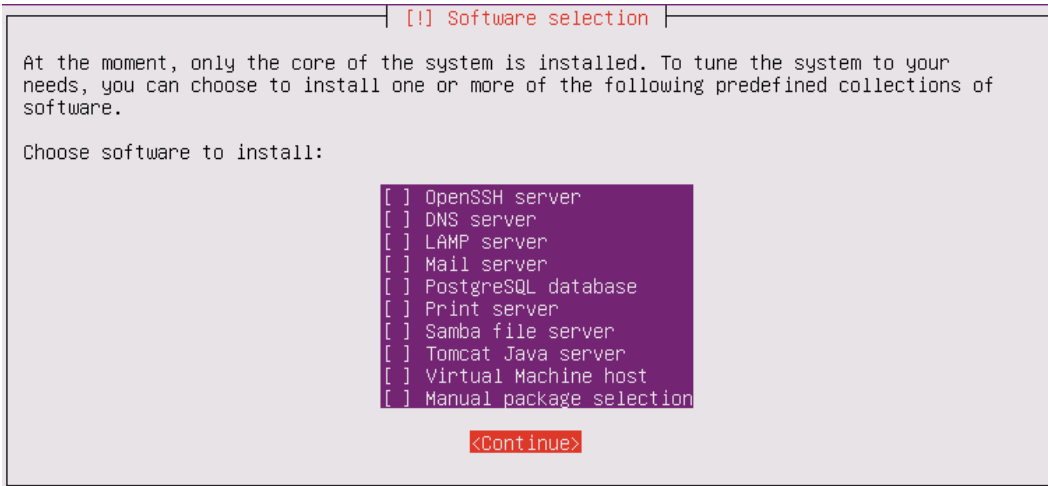
By default, updates need to be applied manually using package management tools.
Alternatively, you can choose to have this system automatically download and install
security updates, or you can choose to manage this system over the web as part of a group
of systems using Canonical's Landscape service.

How do you want to manage upgrades on this system?

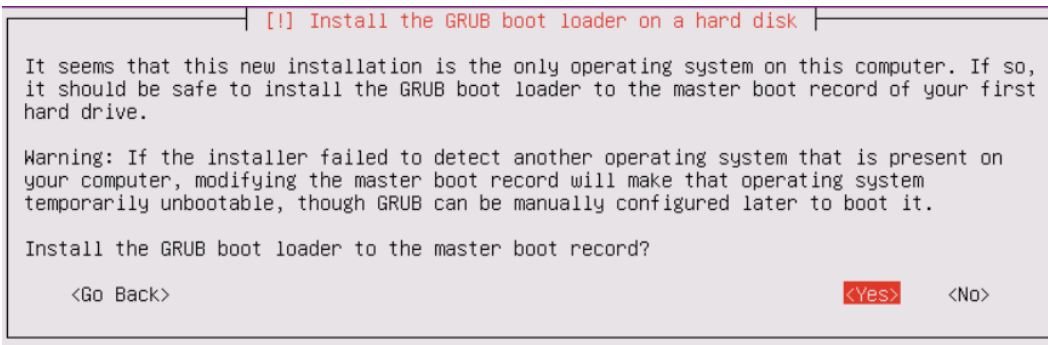
No automatic updates
Install security updates automatically
Manage system with Landscape

```

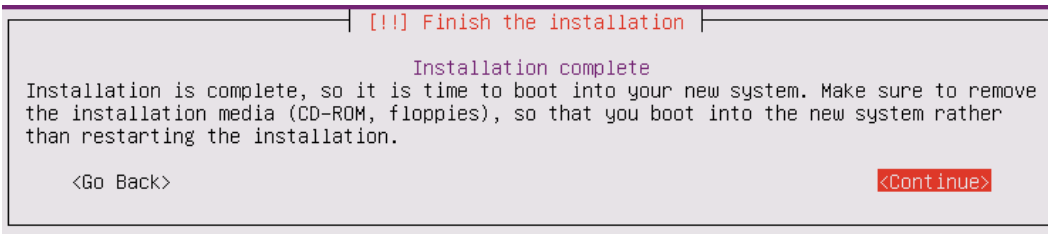
2. Select **Continue** to skip this step.



3. Select **Yes** to install the GRUB boot loader.



4. Select **Continue** to finish the installation.



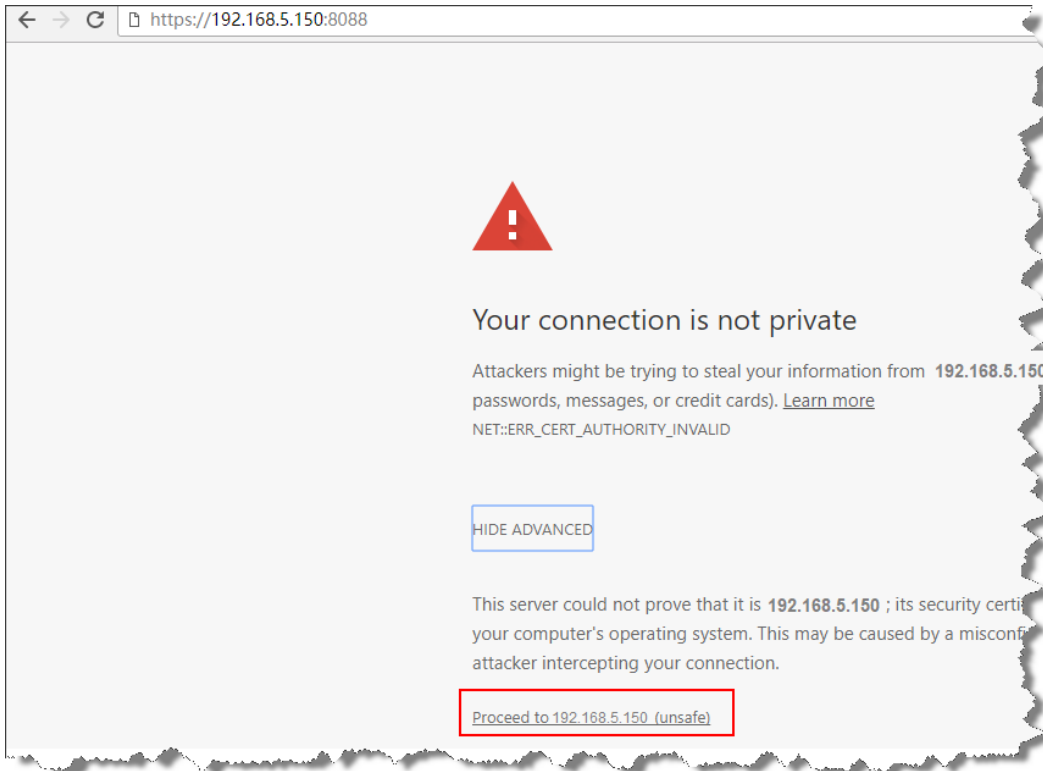
When the following screen displays, the system is successfully installed.



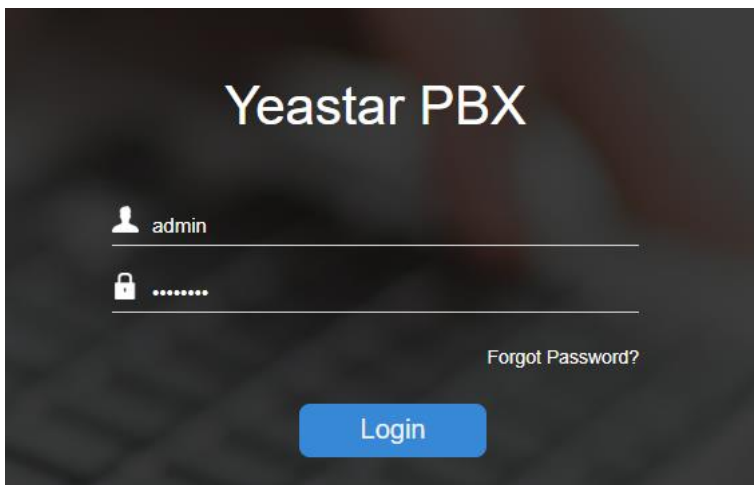
Log in the Yeastar K2

The default IP address of the PBX is 192.168.5.150. To log in the PBX, you need to make sure that your PC is in the same network segment of 192.168.5.X.

1. Launch your Web browser, enter the default IP address, and press **Enter**.
A connection warning appears. Ignore the warning and proceed to the Yeastar IPPBX web page.



2. Enter the user name and password, click **Login**.
 - Username: admin
 - Password: password



Activate/Upgrade Yeastar K2

After installing the Yeastar K2 Software, you can try out all the PBX features free without time limit. However, the inactivated PBX has a limit on the number of extensions, concurrent calls, VoIP trunks, ring groups, etc.

Feature	Max Number
Extension	10
Concurrent Call	5
VoIP Trunk	2
Ring Group/Queue/Conference/Pickup Group/Paging/Intercom/Callback/DISA	1

Yeastar K2 IPPBX supports two license modes — E-License and USB License Key.

- E- License**
 To active or upgrade Yeastar K2 via E-License, you should make sure that your Yeastar K2 can access the Internet.
- USB License Key**
 To secure your phone system, you may install a Yeastar K2 IPPBX that has no ability to access the Internet. In this scenario, Yeastar will provide a USB license key to help you activate or upgrade your PBX.
 The USB key is a dongle that attaches to a USB port on your computer. The USB key is programmed with your required PBX capacity, and can be used for one device only.

Activate/Upgrade Yeastar K2 via E-License

If your Yeatsar K2 IPPBX can access the Internet, you can activate or upgrade the PBX via E-License.

Important:

- You need to connect your K2 server to the Internet first, then start to apply for activation or update the activation code.
- After your K2 is activated, make sure the K2 server is connected to the Internet, or some functions on the K2 might not work.

Activate Yeastar K2 via E-License

- Contact Yeastar to buy the license, tell us how many extensions and concurrent calls you want to activate on your Yeastar K2 Software.
- Log in the PBX web interface, go to **Maintenance > Activate**, click **Apply for Activation**.
- On the **Basic Information** page, enter your license in the **Authorization code** field and your contact information.

The information will be sent to Yeastar, we will check the information and activate your PBX.

Basic Information ×

Authorization code ⓘ IDIS0E77XK09S27H5Ljgq21

Company: ABC

Email: cam@yeastar.com

Contact: cam

Phone Number: 12993408304

To help us with the verification, please fill in detailed information.

Save Cancel

4. Click **Update Activation Code** and reboot the PBX to take effect.

Upgrade Yeastar K2 via E-License

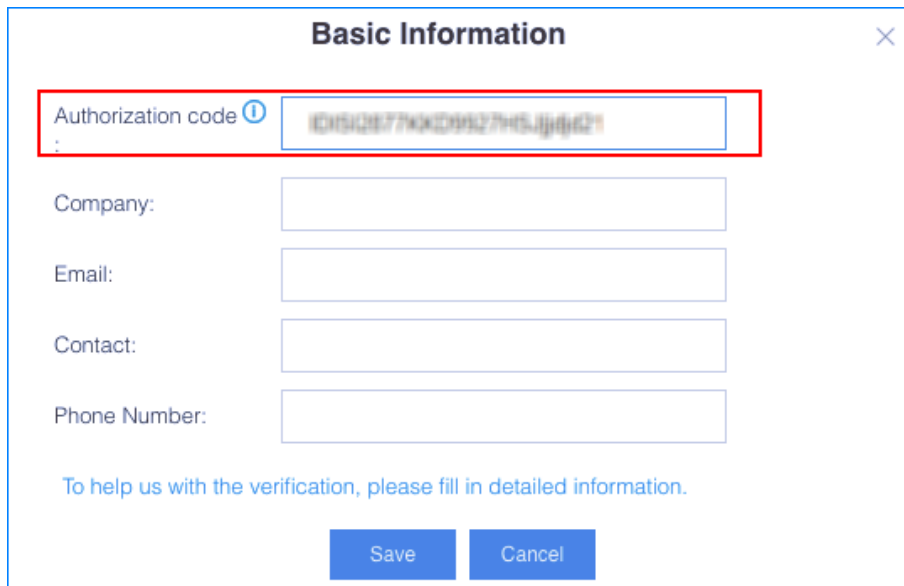
To expand your extensions or concurrent calls, you should do the followings:

1. Contact Yeastar to buy a new license.
We will upgrade upgrade your PBX, then inform you.
2. Log in the PBX web interface, go to the **Maintenance > Activate**, click **Update Activation Code**.

Activate/Upgrade Yeastar K2 via USB License Key

Activate Yeastar K2 via USB License Key

1. Contact Yeastar to buy the license, tell us how many extensions and concurrent calls you want to activate on your Yeastar K2 Software.
2. Connect the USB License Key to your computer where the Yeastar K2 IPPBX is installed.
3. Log in the PBX web interface, go to **Maintenance > Activate**, click **Apply for Activation**.
4. On the **Basic Information** page, enter your license in the **Authorization code** field.



The image shows a 'Basic Information' dialog box with a close button (X) in the top right corner. The 'Authorization code' field is highlighted with a red border and contains the alphanumeric string '01502E77K0D927H5Jj421'. Below this are four empty input fields for 'Company:', 'Email:', 'Contact:', and 'Phone Number:'. At the bottom, there is a blue note: 'To help us with the verification, please fill in detailed information.' and two buttons: 'Save' and 'Cancel'.

5. Click **Save** and reboot the PBX to take effect.

Upgrade Yeastar K2 via USB License Key

To expand your extensions or concurrent calls, you should do the followings:

1. Contact Yeastar to buy a new license.
We will provide a new USB key to you.
2. Connect the USB License Key to your computer where the Yeastar K2 IPPBX is installed.
3. Log in the PBX web interface, go to **Maintenance > Activate**, click **Update Activation Code**.