

Yeastar Remote Management Installation Guide

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Remote Management Installation Guide

About this guide

This guide describes how to install Yeastar Remote Management on Huawei 1288H V5 server. In this guide, we also provide procedures of Remote Management installation and activation.

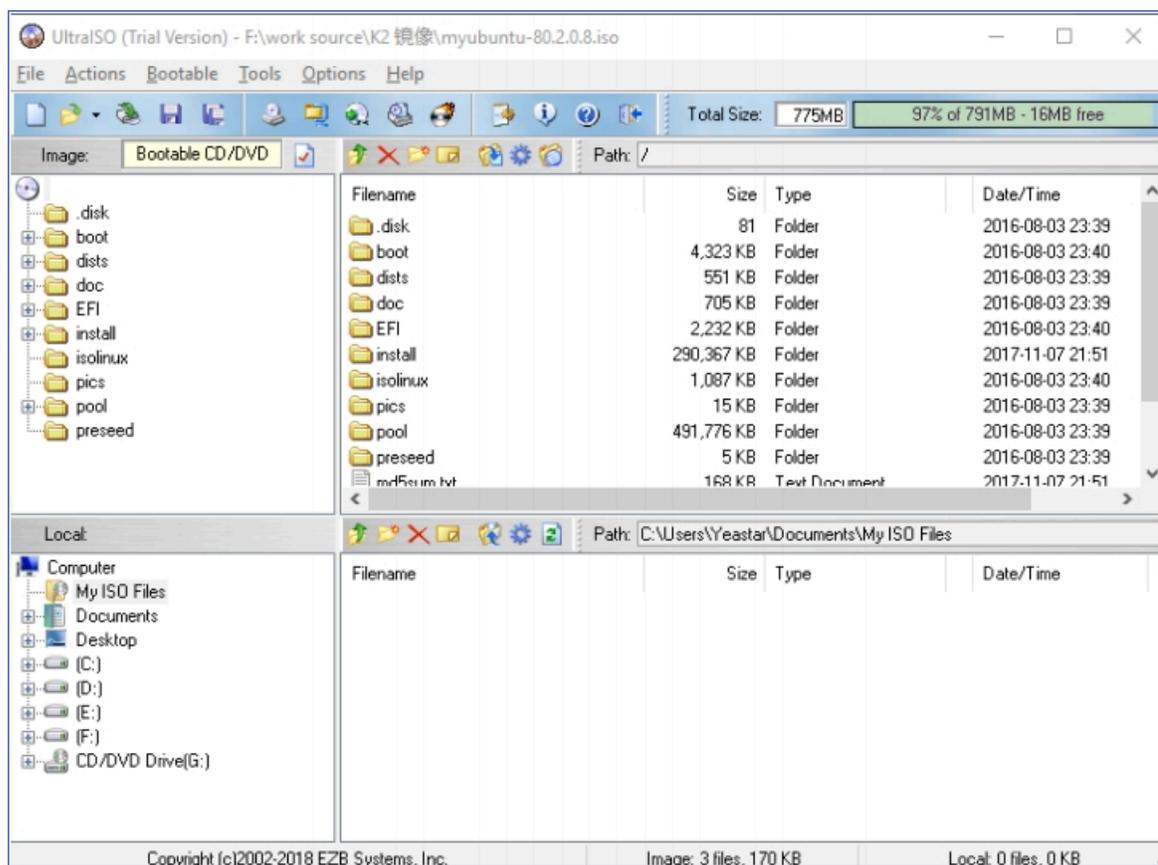
Audience

This guide is for the person who only buys Yeastar Remote Management software, and wants to install the Remote Management on Huawei 1288H V5 server.

Write Yeastar Remote Management Image in a USB

If you choose to install Yeastar Remote Management on a physical machine, you need to write Remote Management image in the USB in advance. The instructions below describe how to write Remote Management image in a USB via UltraISO.

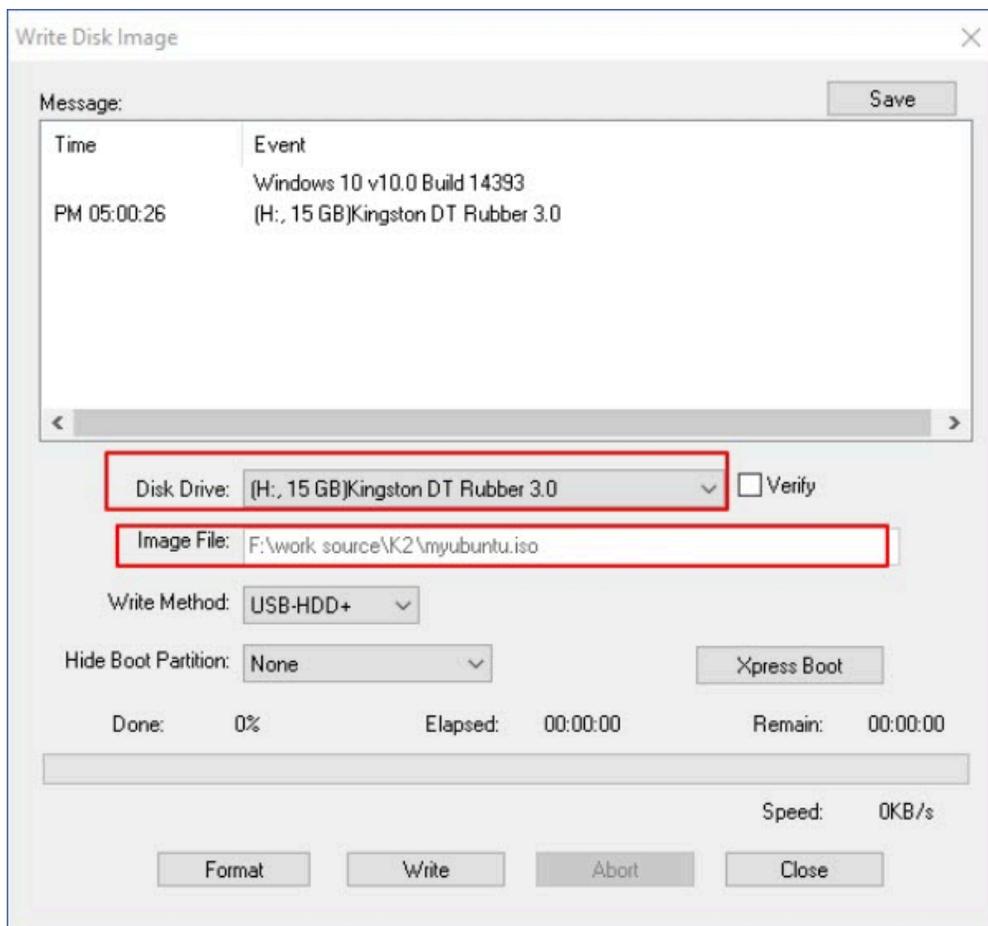
1. Format your USB with FAT32.
2. Open the Remote Management image file via UltraISO.



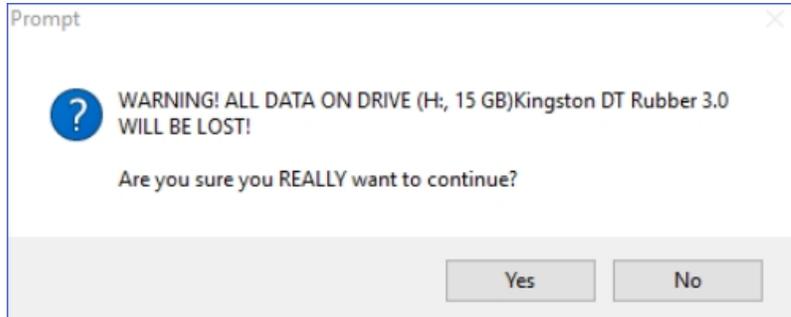
3. Click Bootable > Write Disk Image.



4. Choose your USB drive as Disk Drive, and choose the Remote Management image file, then click Write.



5. Click Yes to start writing image.



6. After the process of writing image is completed, you can check your USB drive.

Set up RAID Controller Cards

RAID is a data backup technology that uses a RAID controller card to combine multiple hard drives into a virtual large-capacity hard drive, providing higher storage and I/O performance and reliability than single traditional hard drive. This topic describes how to create RAID 0 on Avago SAS3408 controller card and install drivers for this card.

1. Press the power button to power on the Huawei 1288H V5 server.
2. When you see the startup screen shown as bellow, press Delete immediately to go to Setup Utility.

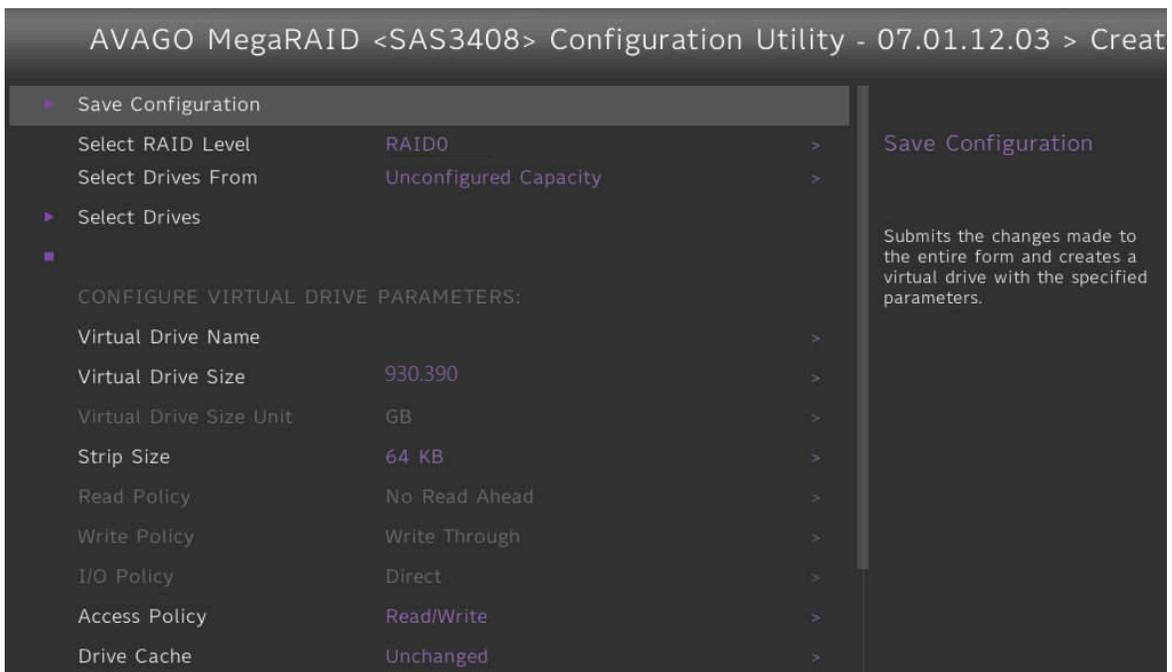


5. Select AVAGO MegaRAID<sas3408> Configuration Utility, and press Enter.

The main screen is displayed.

6. Go to Main Menu > Configuration Management > Create Virtual Drive.

The RAID array configuration screen is displayed as below.



7. Select a RAID level.

- Use the arrow keys to select Select RAID Level and press Enter.
- Select a RAID level RAID 0 and press Enter.

8. Add member drives.

- Use the arrow keys to select Select Drives From and press Enter.
- Select the source of member drives and press Enter.

In this example, Unconfigured Capacity is selected.

c. Select the drive to be added and press Enter.

A hard drive is selected if its state is Enabled.

d. Select Apply Changes and press Enter.

a. Select OK and press Enter.

9. Save the settings.

- a. Select Save Configuration, and press Enter.
The confirmation screen is displayed.
 - b. Select Confirm and press Enter.
The message "The operation has been performed successfully" is displayed.
 - c. Select OK and press Enter.
10. Check the configuration result.
- a. Press Esc to return to the previous screen.
 - b. Select Virtual Drive Management and press Enter.
Current RAID information is displayed.

Install Remote Management on Huawei 1288H V5 Server

This topic describes how to install Yeastar Remote Management on Huawei 1288H V5 Server.

Prerequisites

- [Write Remote Management image in a USB \(on page 1\)](#).
- [Set up RAID controller card \(on page 3\)](#).
- Connect your server to network.

Step1. Prepare before installation process

1. Connect the USB driver to the USB 2.0 port on Huawei 1288H V5 Server.



Note:

- The USB 2.0 port is on the right side of the front panel.
- The installation process cannot work with USB 3.0.



2. Press the power button to power on the device.
3. When you see the startup screen shown as bellow, press F11 immediately to go to Boot Manager.

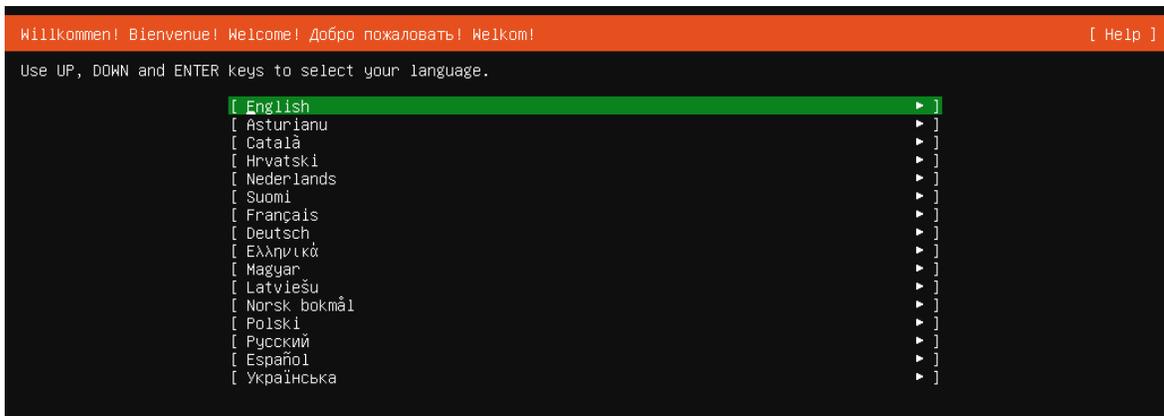
7. Select Install Ubuntu Server to install Remote Management.



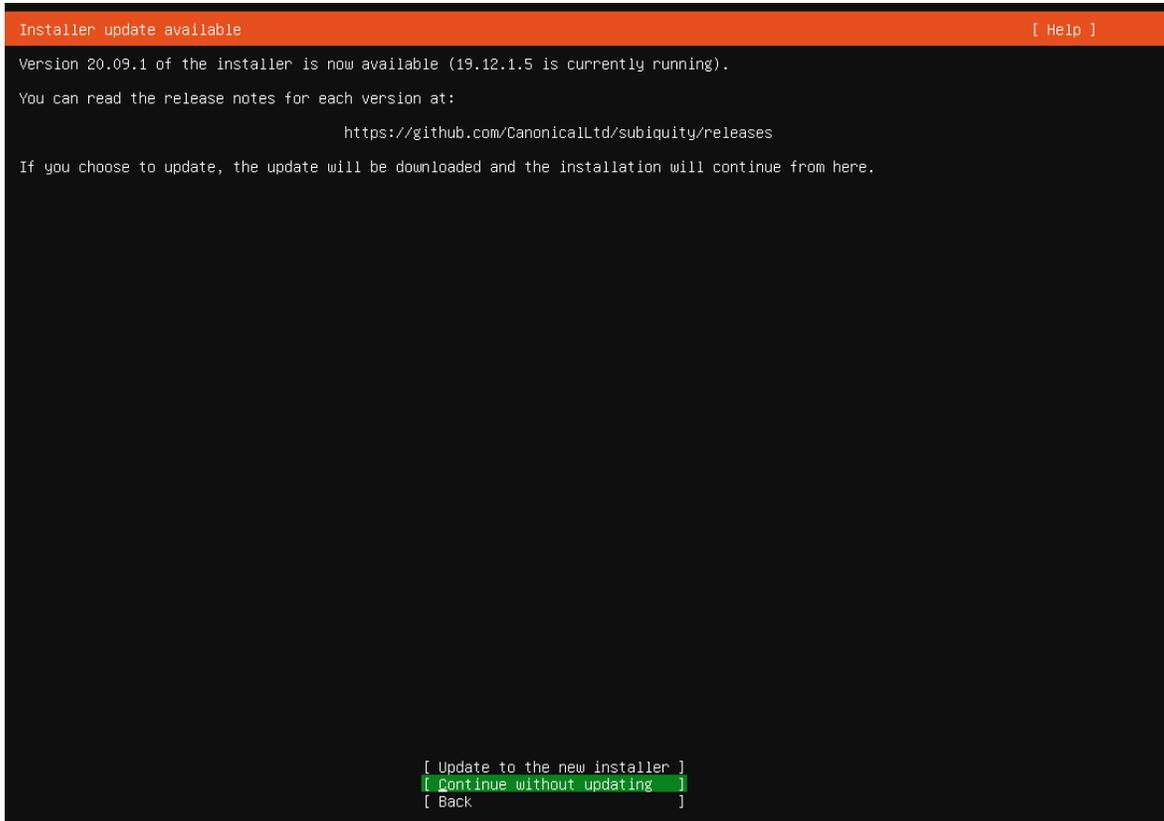
Step2. Configure language

The installer begins with a prompt to ask you to select a language for the installation process.

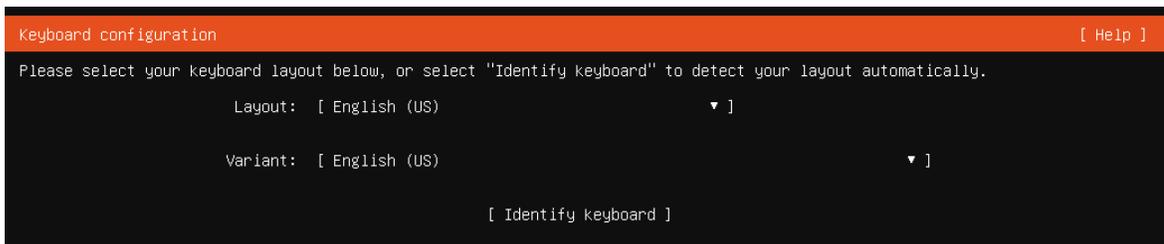
1. Select a language.



2. When you are prompted whether to update to the new version or not, select Configure without updating.



3. Select your keyboard layout or select "Identify keyboard" to detect your layout automatically.



Step3. Configure the network

1. Select the primary network interface.
In this example, we configure the network on eno3.

```

Network connections [ Help ]
Configure at least one interface this server can use to talk to other machines, and which preferably provides sufficient
access for updates.

NAME      TYPE  NOTES      ▶ ]
[ eno1    eth   not connected
disabled  autoconfiguration failed
70:fd:45:7e:34:8e / Intel Corporation / Ethernet Connection X722 for 10GbE SFP+

[ eno2    eth   not connected
disabled  autoconfiguration failed
70:fd:45:7e:34:8f / Intel Corporation / Ethernet Connection X722 for 10GbE SFP+

[ eno3    eth   not connected
disabled  autoconfiguration failed
70:fd:45:7e:34:90 / Intel Corporation / Ethernet Connection X722 for 10GbE SFP+

[ eno4    eth   not connected
disabled  autoconfiguration failed
70:fd:45:7e:34:91 / Intel Corporation / Ethernet Connection X722 for 10GbE SFP+

[ Create bond ▶ ]
    
```

2. Configure a static IPv4 address for the server.



Important:

Do NOT configure IPv6 address. If necessary, you can proceed in the Configuration Wizard when the installation is complete.

```

Network connections [ Help ]
Configure at least one interface this server can use to talk to other machines, and which preferably provides sufficient
access for updates.

NAME      TYPE  NOTES      ▶ ]
[ eno1    eth   not connected
disabled  autoconfiguration failed
70:fd:45:7e:34:8e / Intel Corporation / Ethernet Connection X722 for 10GbE SFP+

[ eno2    eth   not connected
disabled  autoconfiguration failed
70:fd:45:7e:34:8f / Intel Corporation / Ethernet Connection X722 for 10GbE SFP+

[ eno3    eth   not connected
disabled  autoconfiguration failed
70:fd:45:7e:34:90 / Intel Corporation / Ethernet Connection X722 for 10GbE SFP+

[ eno4    eth   not connected
disabled  autoconfiguration failed
70:fd:45:7e:34:91 / Intel Corporation / Ethernet Connection X722 for 10GbE SFP+

[ Create bond ▶ ]
    
```

You will be prompted to select an IPv4 method, select Manual.

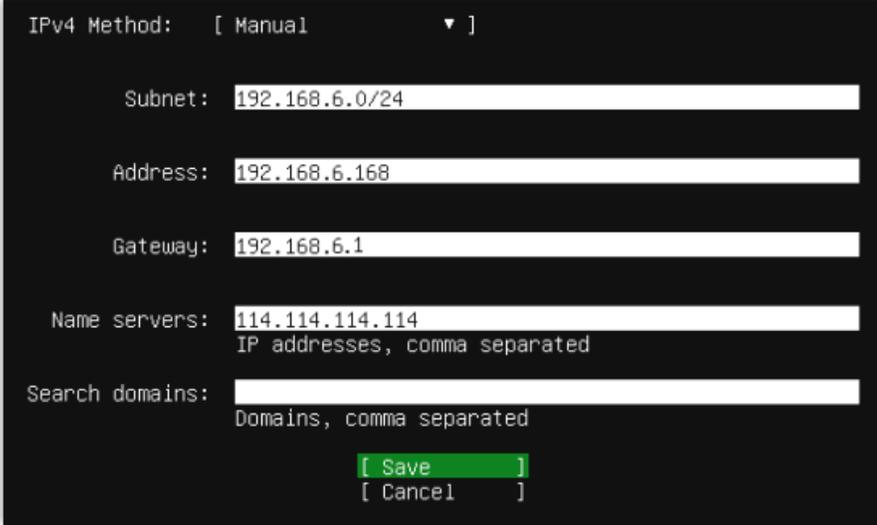
```

Edit eno3 IPv4 configuration
IPv4 Method:
Automatic (DHCP)
Manual
Disabled
[ Cancel ]
    
```

3. Configure the network information.

**Note:**

Consult your network administrator to get the network information.



IPv4 Method: [Manual ▼]

Subnet: 192.168.6.0/24

Address: 192.168.6.168

Gateway: 192.168.6.1

Name servers: 114.114.114.114
IP addresses, comma separated

Search domains:
Domains, comma separated

[Save]
[Cancel]

4. Optional: Configure the proxy according to your needs.



Configure proxy [Help]

If this system requires a proxy to connect to the internet, enter its details here.

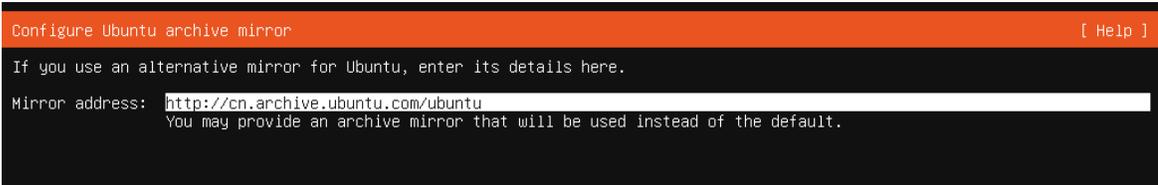
Proxy address:

If you need to use a HTTP proxy to access the outside world, enter the proxy information here. Otherwise, leave this blank.

The proxy information should be given in the standard form of "http://[[user][:pass]@host[:port]/".

Step5. Configure other settings according to your needs

1. Configure the archive mirror according to your location.



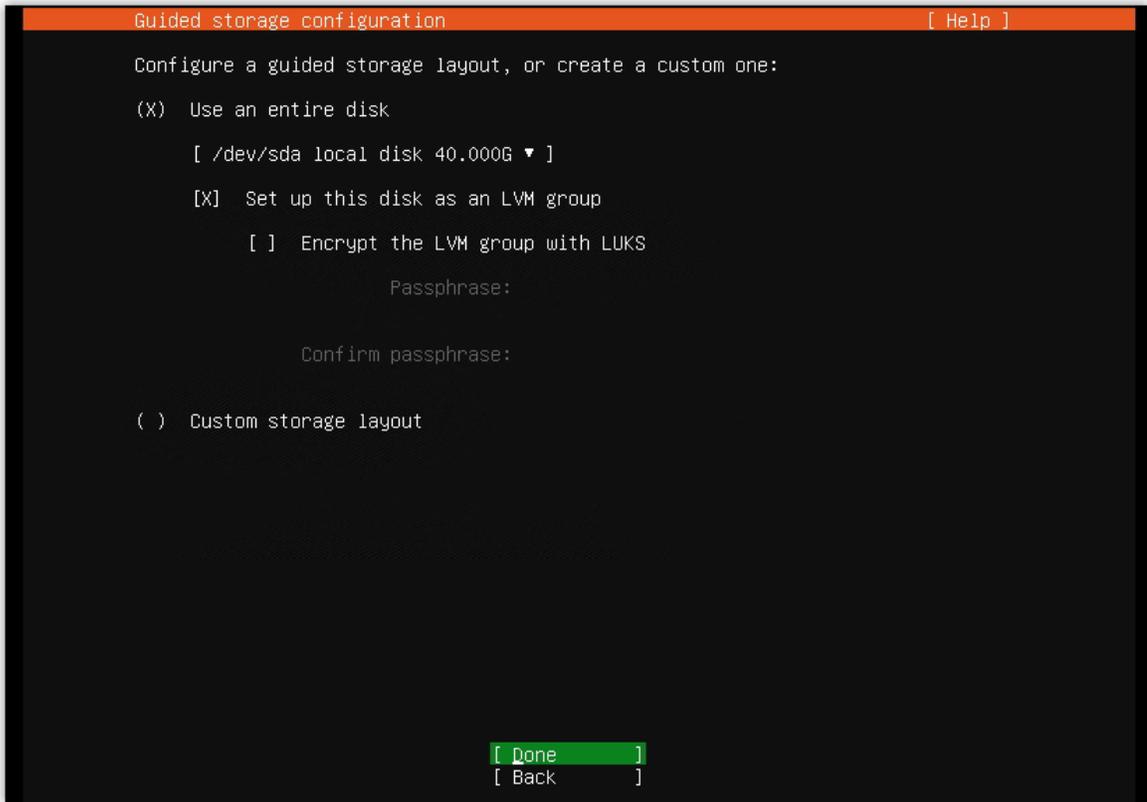
Configure Ubuntu archive mirror [Help]

If you use an alternative mirror for Ubuntu, enter its details here.

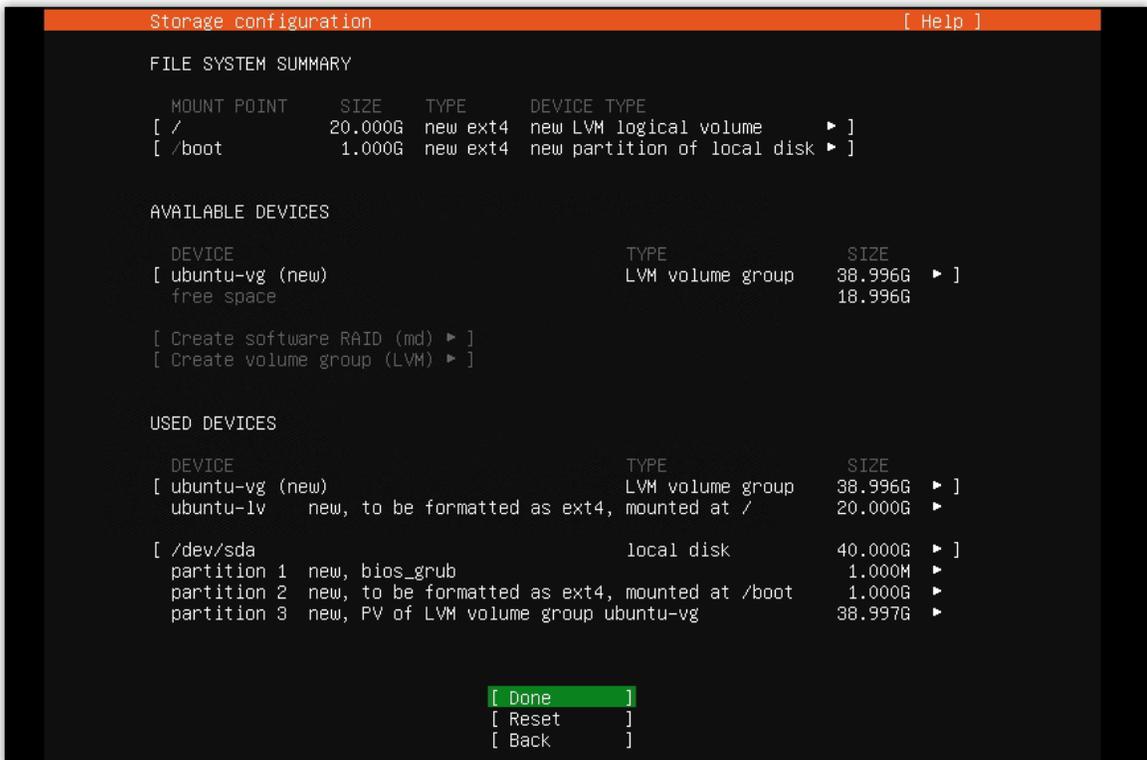
Mirror address:

You may provide an archive mirror that will be used instead of the default.

2. In the Guided storage configuration page, leave it as default, then select Done.



3. On the Storage configuration page, leave it as default, then select Done.



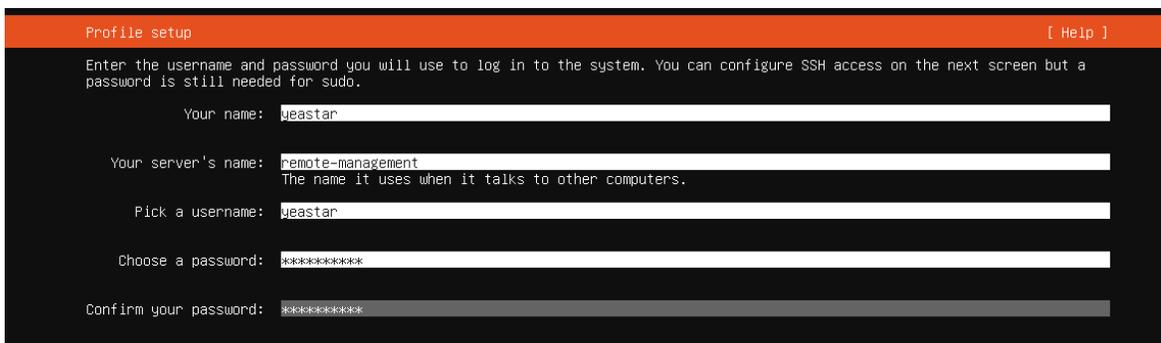
4. Select Continue.



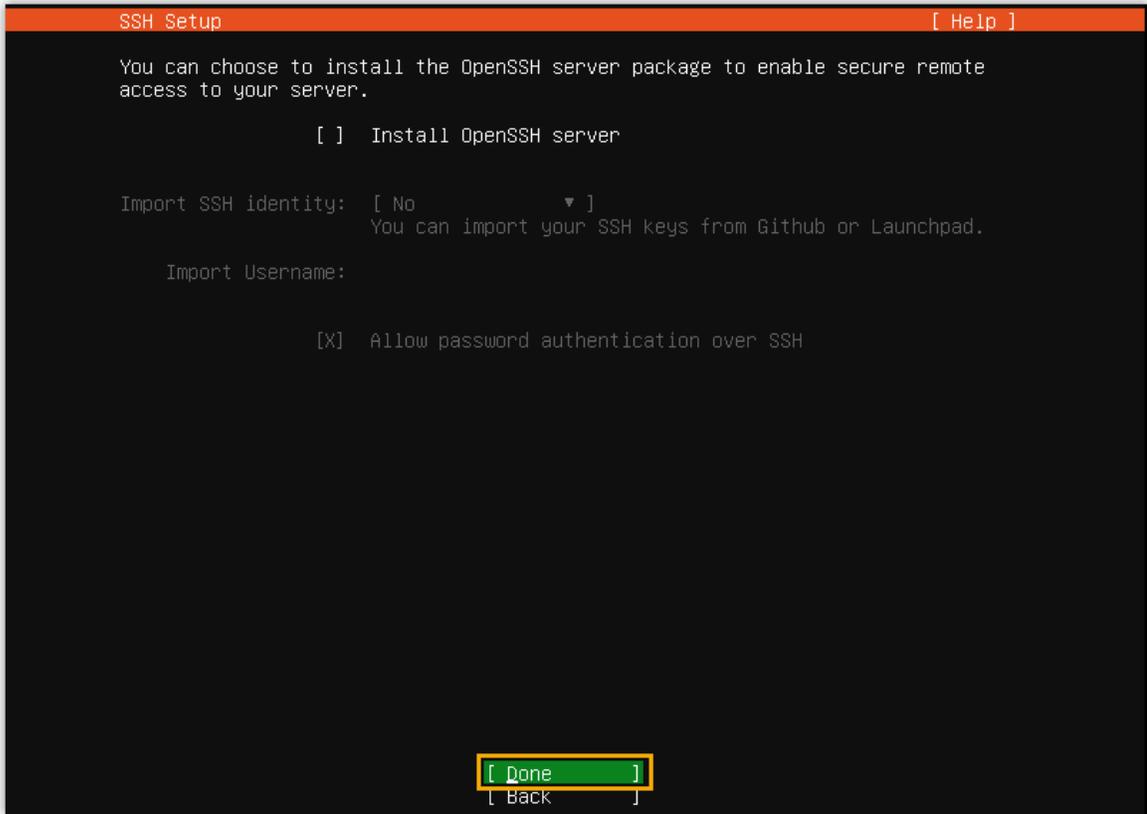
Step6. Configure a username and password for logging in to Yeastar Remote Management

1. Set up a username and password, then select Done.

In this example, we set username and password to yeastar and password.



2. On the SSH Setup page, leave it as default, then select Done.



Step7. Install Remote Management

- Optional: Select the snaps according to your needs, and wait for a few minutes for the installation.

```

Featured Server Snaps [ Help ]

These are popular snaps in server environments. Select or deselect with SPACE, press ENTER to see more details of the package,
publisher and versions available.

( ) microk8s          canonical✓      Lightweight Kubernetes for workstations and appliances
( ) nextcloud         nextcloud✓     Nextcloud Server - A safe home for all your data
( ) wekan             xet7          Open-Source kanban
( ) kata-containers  katacontainers✓ Lightweight virtual machines that seamlessly plug into the containers ecosyste
( ) docker           canonical✓     Docker container runtime
( ) canonical-livepatch canonical✓      Canonical Livepatch Client
( ) rocketchat-server rocketchat✓    Group chat server for 100s, installed in seconds.
( ) mosquitto         mosquitto✓    Eclipse Mosquitto MQTT broker
( ) etcd             canonical✓     Resilient key-value store by CoreOS
( ) powershell      microsoft-powershell Powershell for every system!
( ) stress-ng        cking-kernel-tools A tool to load, stress test and benchmark a computer system
( ) sabnzbd          safihre       SABnzbd
( ) wormhole         snapcrafters  get things from one computer to another, safely
( ) aws-cli          aws           Universal Command Line Interface for Amazon Web Services
( ) google-cloud-sdk google-cloud-sdk✓ Command-line interface for Google Cloud Platform products and services
( ) scli            softlayer     Python based SoftLayer API Tool.
( ) doctl            digitalocean✓ The official DigitalOcean command line interface
( ) conjure-up       canonical✓     Package runtime for conjure-up spells
( ) mindlna-escoand escoand       server software with the aim of being fully compliant with DLNA/UPnP clients.
( ) postgresql10    cmd✓         PostgreSQL is a powerful, open source object-relational database system.
( ) heroku           heroku        CLI client for Heroku
( ) keepalived      keepalived-project✓ High availability VRRP/BFD and load-balancing for Linux
( ) prometheus      canonical-is-snaps The Prometheus monitoring system and time series database
( ) juju            canonical✓    Simple, secure and stable devops. Juju keeps complexity low and productivity h

[ Done ]
[ Back ]

```

- When the following screen is displayed the Remote Management is successfully installed, select Reboot.

```

Installation complete! [ Help ]

Finished install!

configuring partition: partition-1
configuring format: format-0
configuring mount: mount-0
configuring network
  running 'curtin net-meta auto'
  curtin command net-meta
writing install sources to disk
  running 'curtin extract'
  curtin command extract
  acquiring and extracting image from cp:///media/filesystem
configuring installed system
  running '/snap/bin/subiquity.subiquity-configure-run'
  running '/snap/bin/subiquity.subiquity-configure-apt /snap/subiquity/1459/usr/bin/python3 true'
  curtin command apt-config
  curtin command in-target
  running 'curtin curthooks'
  curtin command curthooks
  configuring apt configuring apt
  installing missing packages
  configuring iscsi service
  configuring raid (mdadm) service
  installing kernel
  setting up swap
  apply networking config
  writing etc/fstab
  configuring multipath
  updating packages on target system
  configuring pollinate user-agent on target
  updating initramfs configuration
finalizing installation
  running 'curtin hook'
  curtin command hook
executing late commands
final system configuration
  configuring cloud-init
  installing openssl
  restoring apt configuration
  downloading and installing security updates
  copying logs to installed system

[ View full log ]
[ Reboot ]

```

When the following screen is displayed, the system restarts successfully.



Initial Setup Using the Configuration Wizard

After installing Yeastar Remote Management successfully, you can log in to Yeastar Remote Management and perform initial setup.

Prerequisites

Allocate a domain name for Remote Management, and map the domain name to the IP address of Remote Management on your DNS server.

Procedure

1. Launch your web browser, enter the IP address of the Yeastar Remote Management, and press Enter.
2. Specify the address and credentials for accessing the Remote Management.
 - a. In the Domain Name field, enter a domain name.
 - b. In the Email Address field, enter an email address for logging in to Yeastar Remote Management.
 - c. In the Password field, enter a password for logging in to Yeastar Remote Management.
 - d. In the Repeat the password field, repeat the password.
 - e. In the IPv4 section, configure the IPv4 address.

IPV4

IPv4 Address	<input type="text" value="192.168.6.168"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
Gateway	<input type="text" value="192.168.6.1"/>
Preferred DNS server	<input type="text" value="114.114.114.114"/>
Alternative DNS server	<input type="text" value="8.8.8.8"/>

- IPv4 Address: Enter an IPv4 address for your Yeastar Remote Management.



Note:

The IP address should be unique and has not been assigned to any other devices in the same network.

- Subnet Mask: Enter the subnet mask.
 - Gateway: Enter the gateway address.
 - Preferred DNS Server: Enter the IP address of preferred DNS server.
 - Alternative DNS Server: Optional. Enter the IP address of alternative DNS server.
- f. Optional: In the IPv6 section, configure the IPv6 address.

IPV6

IPv6 Address	<input type="text" value="240e:67a:1580::3"/>
IPv6 Prefix Length	<input type="text" value="64"/>
Gateway	<input type="text" value="240e:67a:1580::1"/>
Preferred DNS server	<input type="text" value="240E:14:E000::1"/>
Alternative DNS server	<input type="text" value="240E:14:6000::1"/>

- IPv6 Address: Enter an IPv6 address for your Yeastar Remote Management.



Note:

The IP address should be unique and has not been assigned to any other devices in the same network.

- IPv6 Prefix Length: Enter the prefix length of the IPv6 address.
- Gateway: Enter the gateway address.
- Preferred DNS server: Enter the IP address of preferred DNS server.
- Alternative DNS server: Optional. Enter the IP address of alternative DNS server.

g. Click Next.

3. Configure an email server that will be used to send notification emails.

a. Set up email server.

The screenshot shows a web-based configuration wizard titled "Configuration Wizard" with a dark blue header. Below the header, the page is labeled "Step 2". The form contains several input fields and checkboxes:

- Sender Email Address:** A text input field containing "becky@yeastar.com".
- Email Address or Username:** A text input field containing "becky@yeastar.com".
- Password:** A text input field with masked characters "*****".
- Outgoing Mail Server (SMTP):** A text input field containing "smtp.exmail.qq.com".
- SSL:** A checked checkbox labeled "SSL".
- Port:** A text input field containing "465".
- Enable STARTTLS:** An unchecked checkbox.

At the bottom right of the form, there are two buttons: "Previous" and "Test".

- **Sender Email Address:** Enter an available email address.
- **Email Address or Username:** Enter the account to log in to the email server.

Generally, enter the same address as the Sender Email Address. If the email server provides a unique user name, enter the user name.

- **Password:** Enter the password to log in to the email server.
- **Outgoing Mail Server (SMTP):** Enter the outgoing mail address.
- **Port:** Enter the outgoing port.
- **SSL:** Enable or disable SSL during transferring or submitting your email to another email server.
- **Enable STARTTLS:** If the mail server doesn't support STARTTLS, do not select this option.

b. Click Test to test if the email server works.

If email server is set up successfully, the system prompts "Test Succeed".

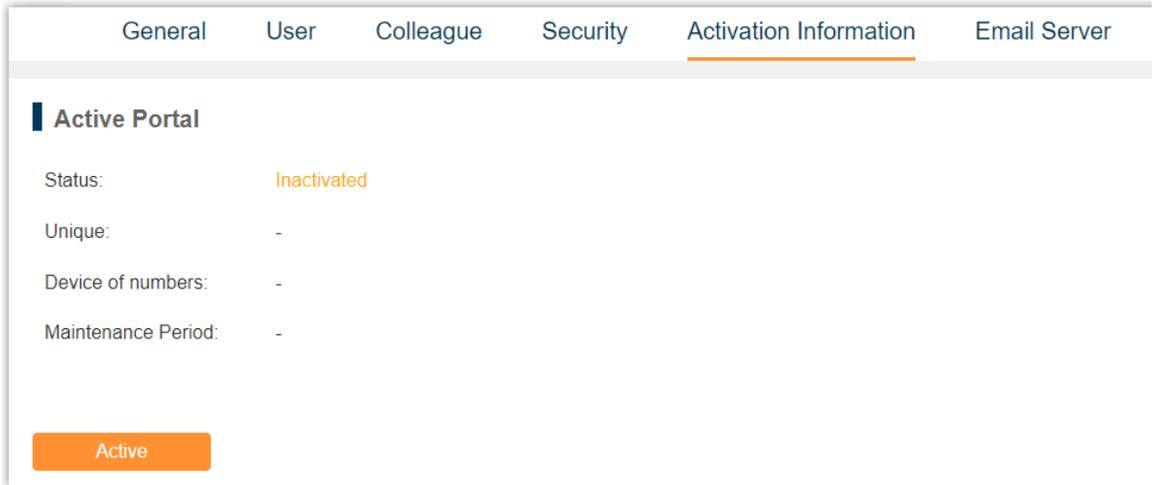
4. Click Submit.

The system will reboot to take effect.

Activate Remote Management

After installing the Yeastar Remote Management, you can contact Yeastar to buy the license according to your device number and maintenance time. Yeastar provides a USB license key to help you activate your Remote Management. The USB key is programmed with your required capacity, and can be used for one device only.

1. Connect the USB Key to your Huawei server.
2. Log in to the Remote Management web interface, go to Settings > Activation information, click Active.



Note:

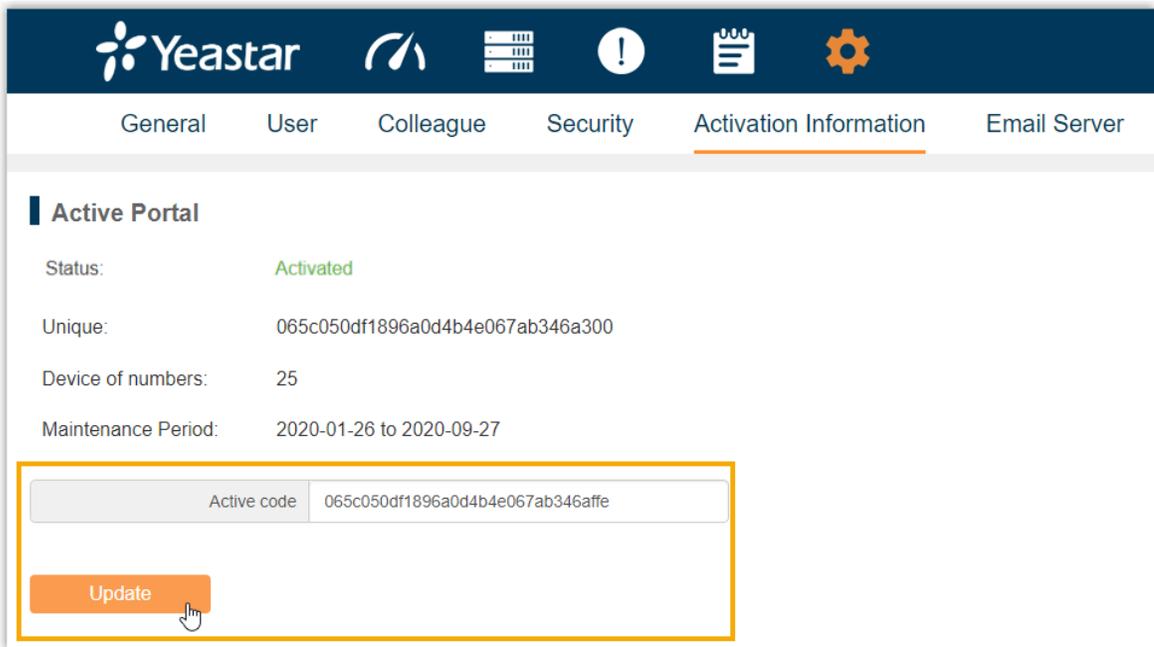
After activating the Remote Management, keep the USB key connected to the server, or the Remote Management will be detected as activation abnormality.

Expand Capacity of Remote Management

If you need to expand the number of manageable devices and maintenance time, contact Yeastar to upgrade your license, and then update your license on your Remote Management.

1. Log in to the Remote Management web interface, go to Settings > Activation Information.
2. In the Active code field, enter your new license.

3. Click Update.



The screenshot shows the Yeastar web interface with the 'Activation Information' tab selected. The 'Active Portal' section displays the following information:

Status:	Activated
Unique:	065c050df1896a0d4b4e067ab346a300
Device of numbers:	25
Maintenance Period:	2020-01-26 to 2020-09-27

Below this information, there is a table with one row:

Active code	065c050df1896a0d4b4e067ab346affe
-------------	----------------------------------

An orange 'Update' button is located below the table, with a mouse cursor pointing to it.

**Note:**

Keep the USB key connected to the server, or the Remote Management will be detected as an abnormal device.

Upgrade Yeastar Remote Management

There are two methods by which Yeastar Remote Management can be upgraded to a new version:

- ISO Upgrade: Install Yeastar Remote Management from a new ISO file as shown in the installation guide.
- Debian Upgrade: Run the following commands:

```
sudo -i
passwd

cd/home/mgt

# clean apt locked issue
rm -f /var/lib/dpkg/lock-frontend
rm-f /var/lib/dpkg/lock

apt -y upgrade
apt -y dist-upgrade

DEBUG=1 DEBIAN_FRONTEND=noninteractive apt install -y -o Dpkg::Options::=
"--force-overwrite" ./yeastar-mgt_1.2.1_amd64.deb
apt purge -y rsync ufw
apt autoremove -y
```