



FreeVM Quick Deployment Manual

V1.4

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Version History

Version	Release Date	Description	Author
1.0	2024.07.01	Document creation	GrayOu
1.1	2024.12.18	Document modification	GrayOu
1.2	2024.01.13	Added configuration requirements	GrayOu
1.3	2024.01.29	Simplified boot media creation method	GrayOu
1.4	2025.06.27	Improved precautions	GrayOu

1. Deployment Requirements

Important: Please be sure to read the following requirements before installation and deployment!

1.1. Host Hardware Configuration Requirements

Minimum Hardware Requirements: CPU≥16 threads, Memory≥16GB, System disk space≥100GB.

To ensure normal operation of FreeVM, it is recommended to reserve at least 4 threads and 4GB memory for FreeVM itself operation.

1.2. Related BIOS Settings (if any)

The following related settings should be made for the host BIOS. Please consult the relevant host manufacturer.

- 1) Enter BIOS settings.
- 2) Enable virtualization options such as VD-T, VMX, or SVM.
- 3) Disable Security Boot related options.
- 4) Enable UEFI boot.
- 5) For first-time installation and deployment, use Chapter 2 to create installation media as the boot drive.

1.3. Other Precautions

Nested deployment is not recommended, as it may cause some unpredictable problems and affect user experience. Since the development environment and purpose of this system are both bare-metal deployment environments, there is no guarantee that problems will not occur in nested environments.

After installation is complete, all network interface controller on the host are in the same network in switch mode. Therefore, before all network configurations are completed, you should connect at most one network cable for WEB management to avoid creating loops.

Installing FreeVM will clear and format your hard disk! Please back up your existing data before installation!

Before installing the system, please plan the disk storage allocation. It is recommended to separate the system disk from the data disk. It is not recommended to use the system disk for data storage at the same time.

If the target hard drive for system installation previously contained an OS, you must clear all partitions on the hard disk or rebuild RAID.

After creating a RAID for the hard disk, the array card with initialization function must be initialized. For related operations, please consult the host manufacturer.

2. Creating Boot Media

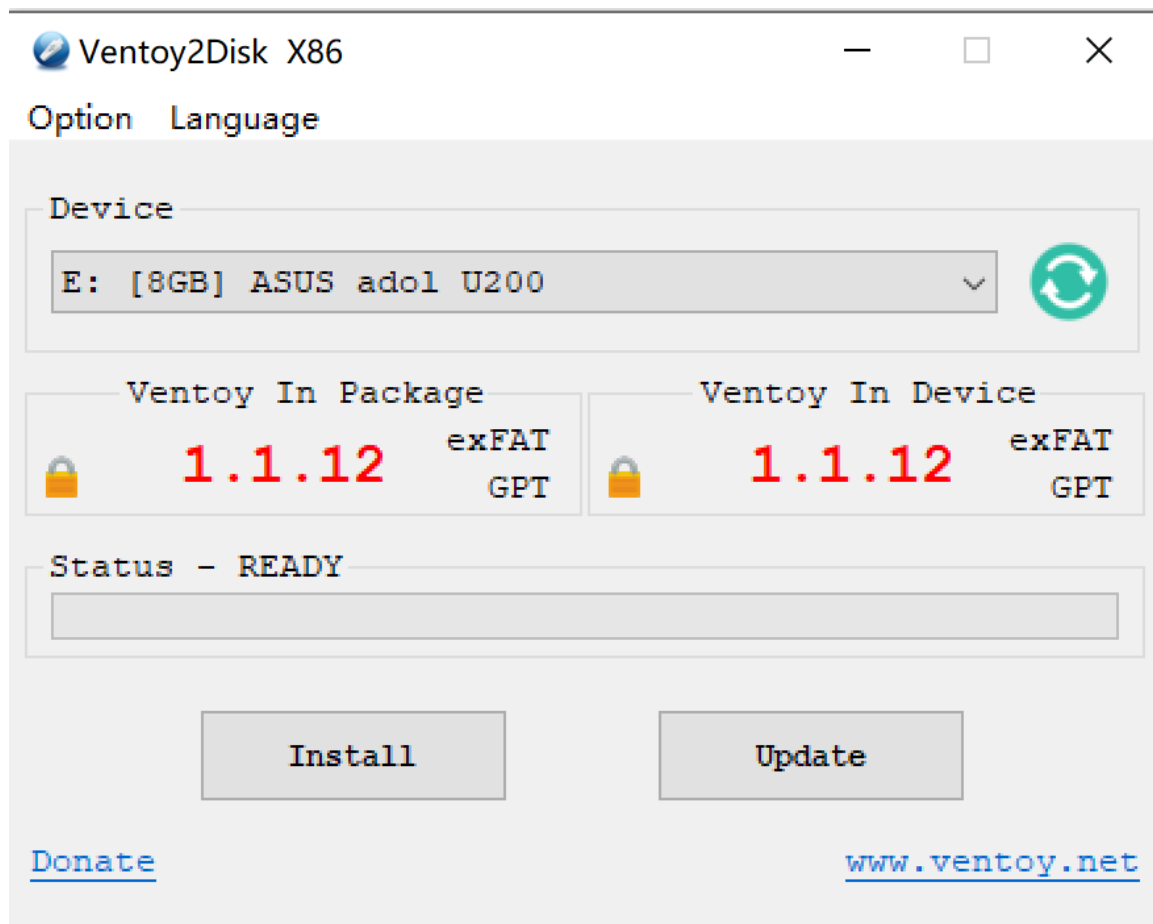
Notice: Creating boot media will format the USB drive. Please back up your files in advance!

- Prepare the FreeVM image and tools in advance.
- Prepare a USB drive in advance.
- Choose one of the following methods to create boot media. Using Ventoy is recommended.

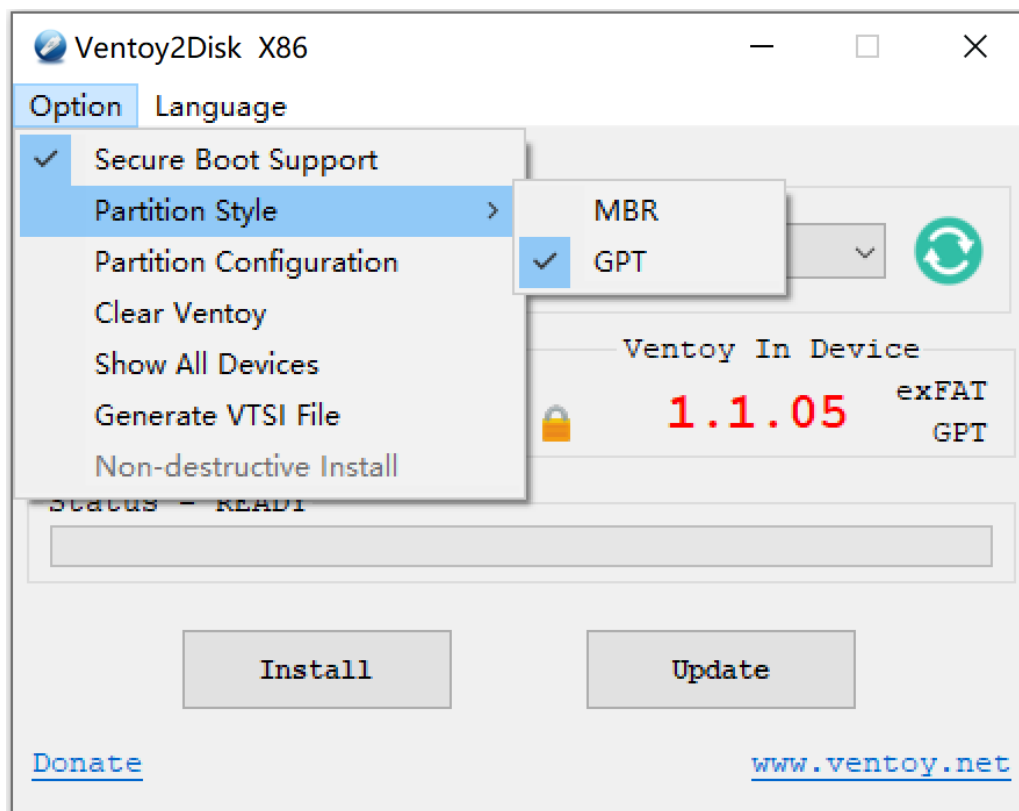
2.1. Using Ventoy to Create Bootable USB Drive

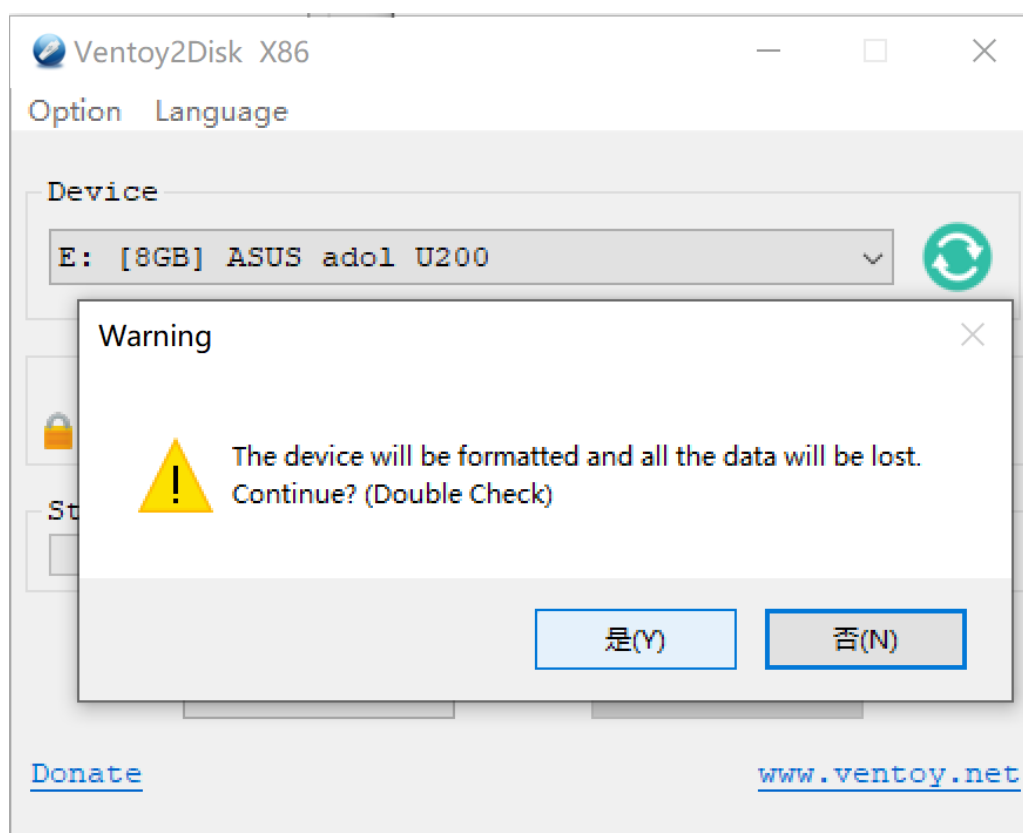
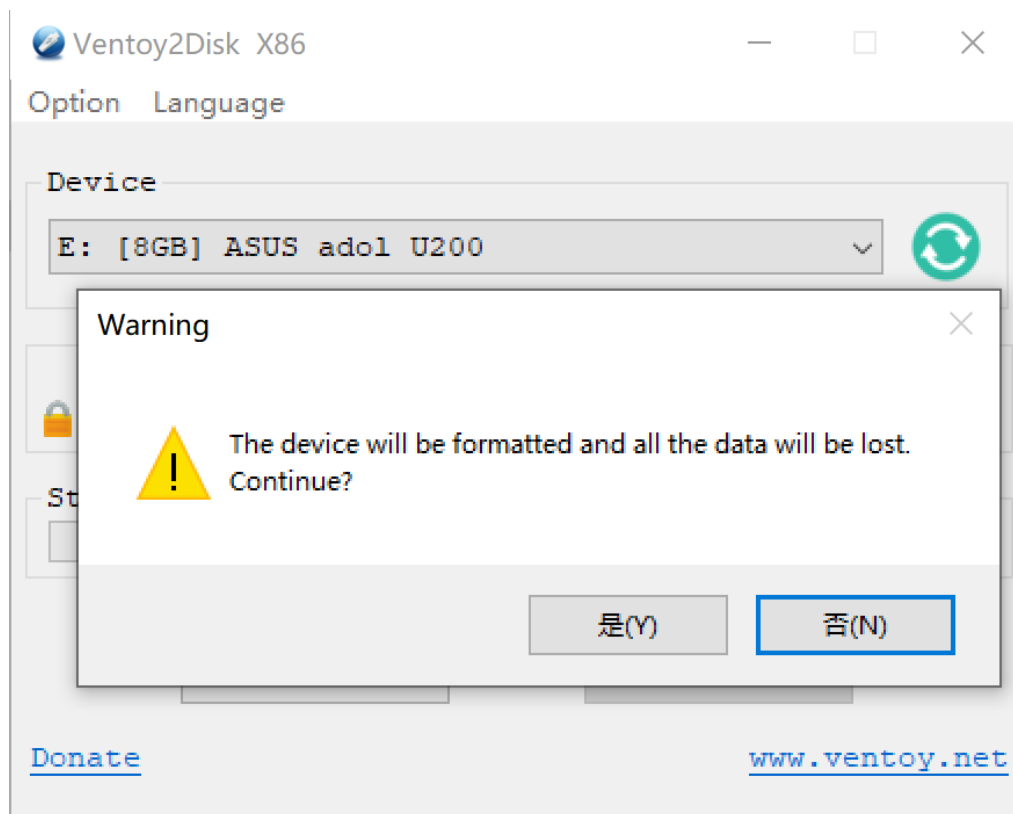
Download URL: <https://github.com/ventoy/Ventoy/releases>

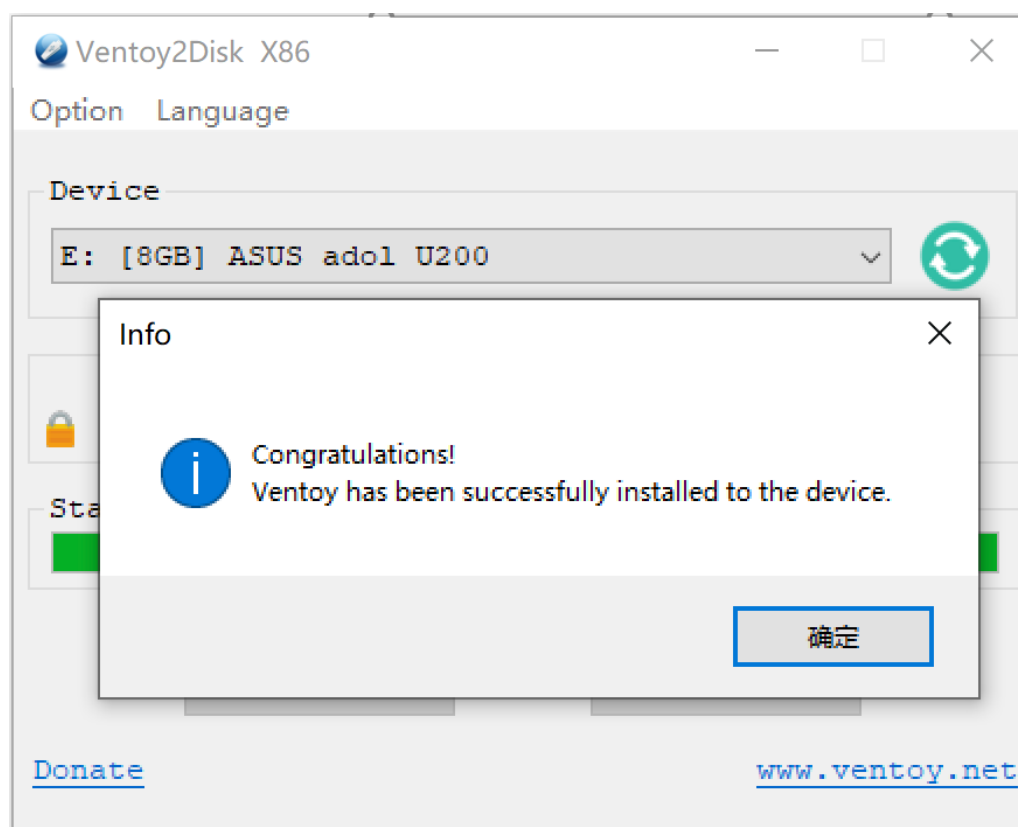
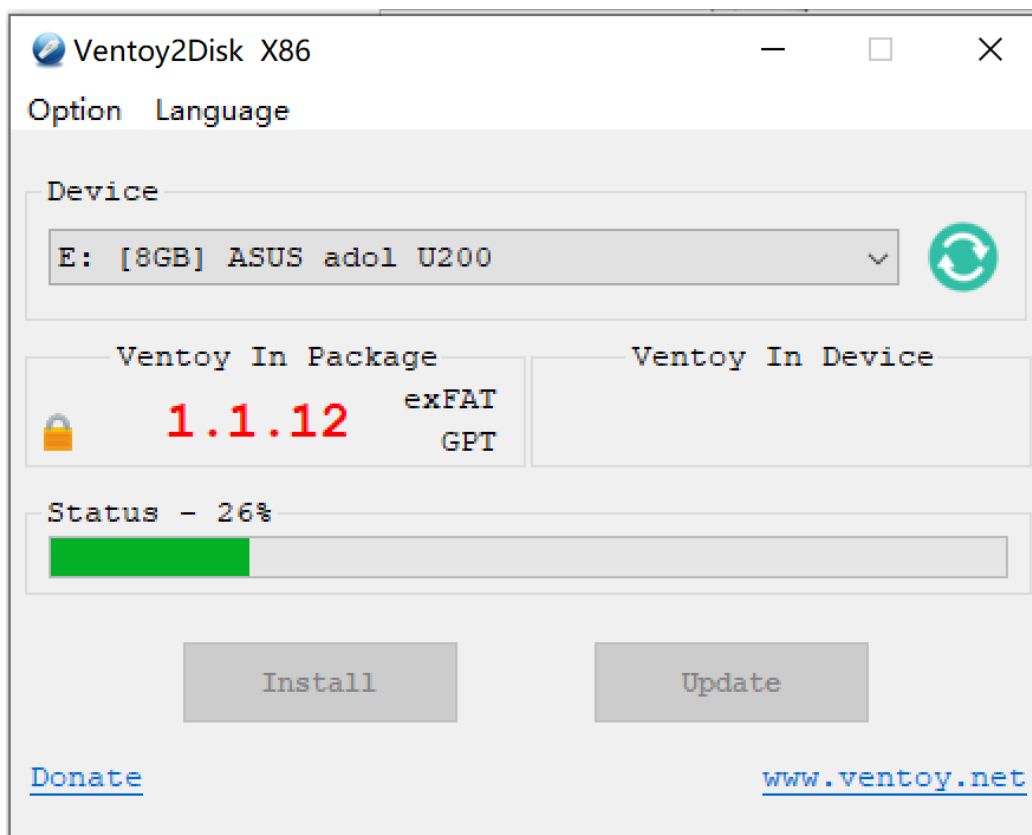
1. Run Ventoy software and select the USB drive to install.



2. Change [Partition Type] to [GPT] in [Configuration Options] and click Install.







3. Copy the FreeVM image to the USB drive.

名称	修改日期	类型	大小
.fsevents	2026/6/17 11:15	文件夹	
.Spotlight-V100	2026/6/17 11:15	文件夹	
freevm_20260615english.iso	2026/6/15 15:02	UltraISO 文件	5,015,830 KB

3. Starting Installation

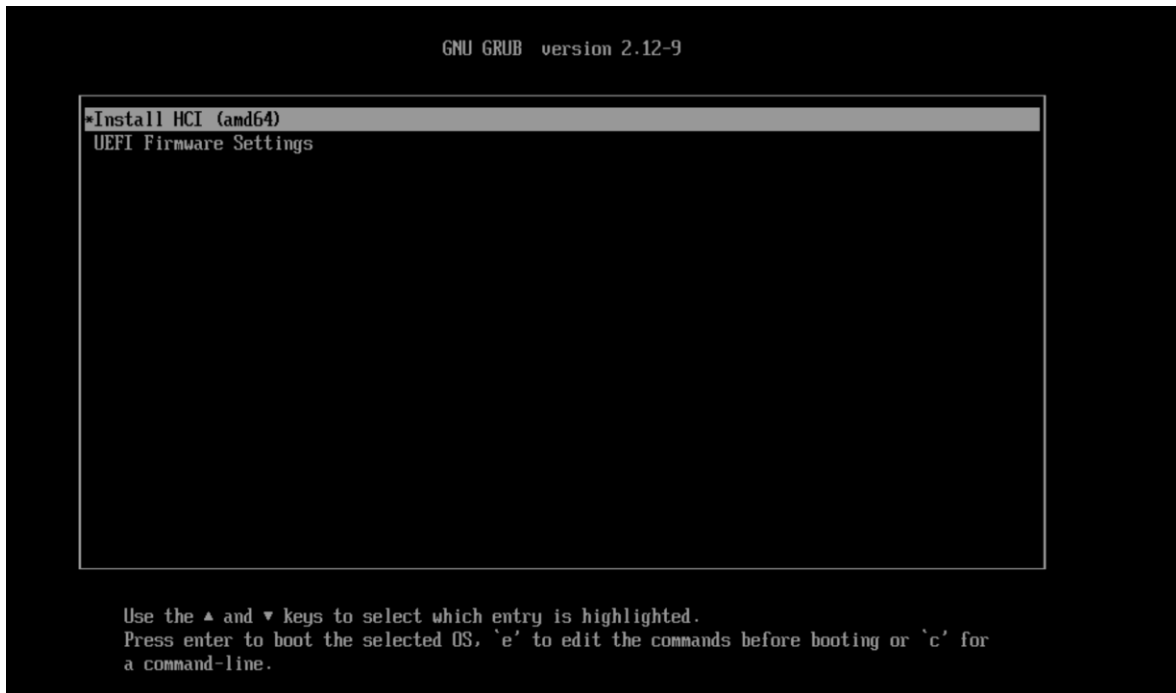
3.1. Starting Boot

Boot from the created installation media and follow the prompts to install.

3.2. Selecting Corresponding ISO Image File

Select the corresponding ISO image file.

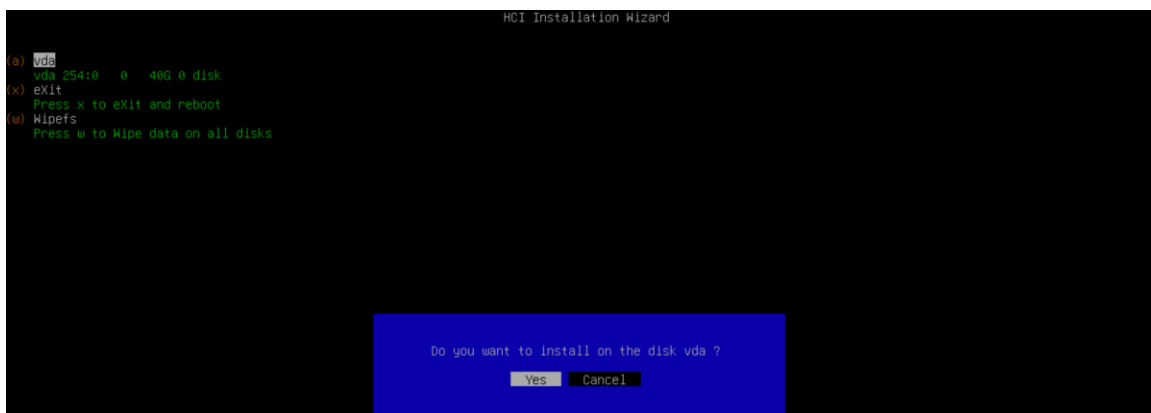




3.3. Selecting Hard Disk

Use up/down to select the appropriate hard disk for installation;

If the computer has multiple hard disks, ensure that the hard disk for installing FreeVM is set as the first boot option.




```
Welcome to Configuration Menu:

[0] Network Configuration Setting
[1] Query Network Configuration
[2] Password Configuration
[3] Vlan Reset
[4] Firewall Reset
[5] Stop ALL Engine
[6] Repair Disk
[7] Show Network Interfaces
[8] Reboot
[9] Exit
```

```
Input num[0-9]:
_
```

[0] Network Configuration

[1] Query Network Configuration (IP/MASK/GATEWAY)

[2] Password Settings

[3] Reset VLAN

[4] Reset Access Control

[5] Close All Engines

[6] Repair Disk [Note: Only select when prompted: ignoring read-only. Do not select when the system is normal.]

[7] Display Network Interface Card [Used to determine if NIC are recognized]

[8] Restart System

3.6. Network Configuration

Modify web management IP address, press 0. Enter the IP address and press Enter, subnet mask and press Enter, gateway and press Enter.

```
Input num[0-9]:  
0  
Please input ip:  
192.168.4.171  
Please input netmask:  
255.255.255.0  
Please input gateway:  
192.168.4.254_
```

4. Web Login

After completing the management IP configuration, you can log in to the system through the WEB page. Use IE browser and access : <https://IP>.

default username: admin, password: admin.

<https://192.168.4.171/index.php>

FreeVM

Login

Read the End User Agreement and agree to proceed with password modification.

End User Agreement

End User Agreement

Thank you for choosing to use this software. Before you begin using it, please read the following End User Agreement (the "Agreement") carefully. By installing, copying, or otherwise using this software, you agree to be bound by all the terms and conditions of this Agreement. If you do not agree to any part of this Agreement, please stop using this software immediately.

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Agree

Disagree

Notice: The default password is a weak password. Please change it to a high-strength password.

FREEVM

Message notification admin

User

Password modification

Original Password

New password

New Password Confirmation

Information

Password modified successfully! About to Exit and Log in Again!

Confirm

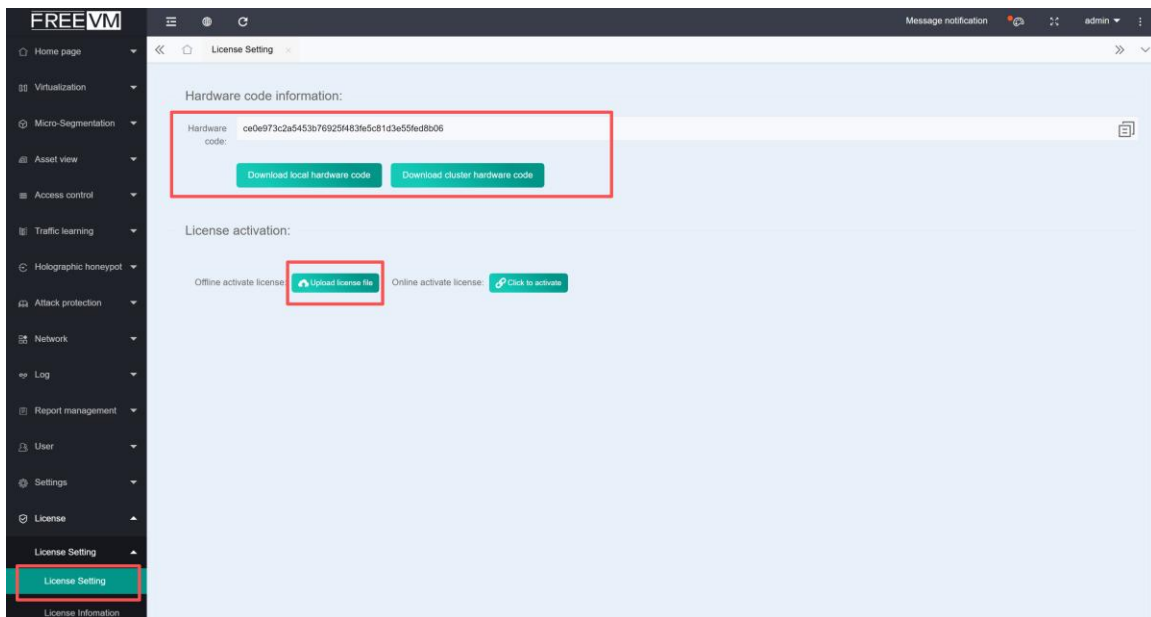
Modify

Reset

5. Obtaining Authorization

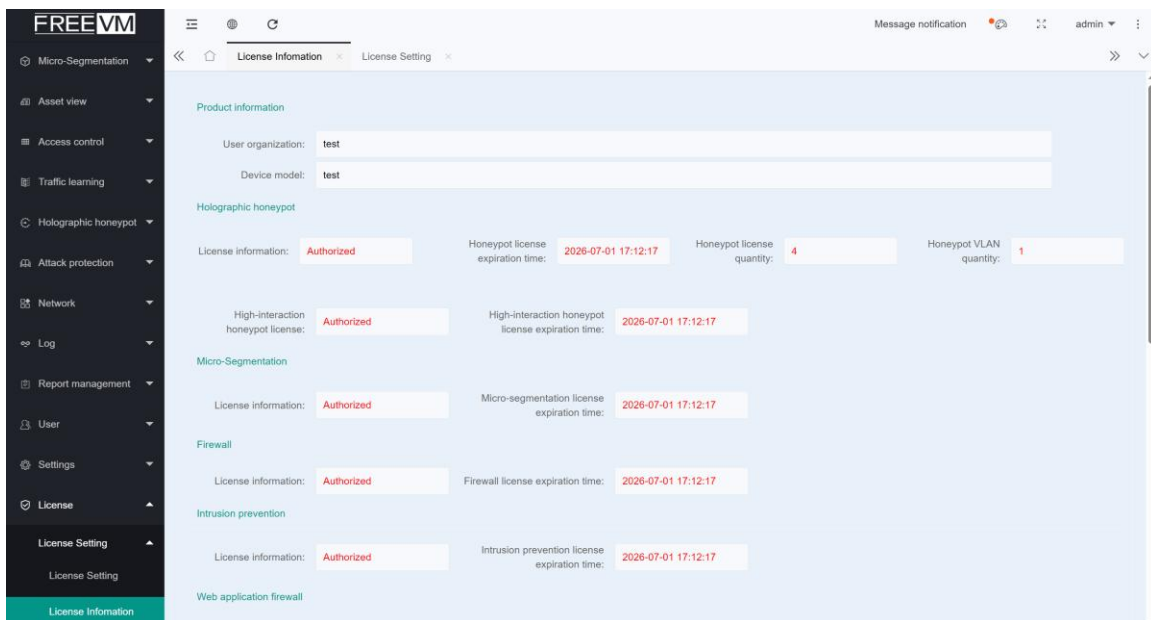
5.1. Uploading Authorization File

Download the local hardware code and send it to FreeVM engineers or sales staff to obtain license file.



5.2. Viewing License Information

After obtaining the license file, click Upload Authorization File. Go to “License Information” page, the “License Information” appears “Authorized”.



FreeVM installation is now complete. Enjoy using it!