

PROXMOX DOCUMENTATION

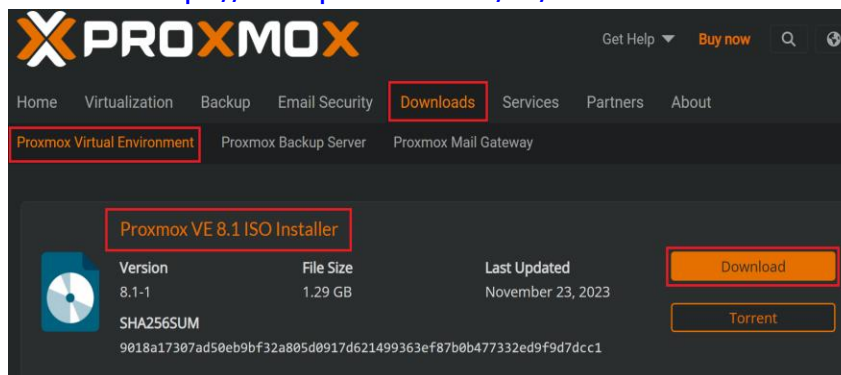
Proxmox VE is an open-source server platform for enterprise virtualization. Proxmox, a Linux system based on Debian, runs several virtual machines and containers on a single server by modifying the Ubuntu kernel. You may create and administer virtualized environments through a web dashboard or a command line, offering simple and rapid accessibility.

PREREQUISITES

- A dedicated server
- 64bit CPU
- At least 1GB of RAM (and additional RAM needed for guests)
- A Flash Drive with at least 1GB.

Step 1: Download Proxmox ISO Image

1. Visit the official **Proxmox Dowload page** and select **Proxmox Virtual Environment** and select ISO <https://www.proxmox.com/en/downloads>



Step 2: Prepare the Flash Drive For the Installation

Copy the Proxmox ISO image on a CD/DVD or a USB flash drive. Although both options are possible, it is assumed that most systems won't have an optical drive. Plug in the USB drive and copy the ISO image to the USB stick using the command line or a USB formatting utility (such as **Etcher** or **Rufus**).

Step 3: Launch the Proxmox Installer

1. Proceed to the server where Proxmox is to be installed, then insert the flash drive containing the ISO image.
2. To reach the boot menu, press the necessary keyboard key(s) while the server is booting up. They are most frequently **Esc**, **F2**, **F10**, **F11**, **F12**, or **Del**.

3. Select the Flash Drive with the Proxmox ISO image and boot from it.
4. Next, the Proxmox VE menu appears. Select Install Proxmox VE to start the standard installation.

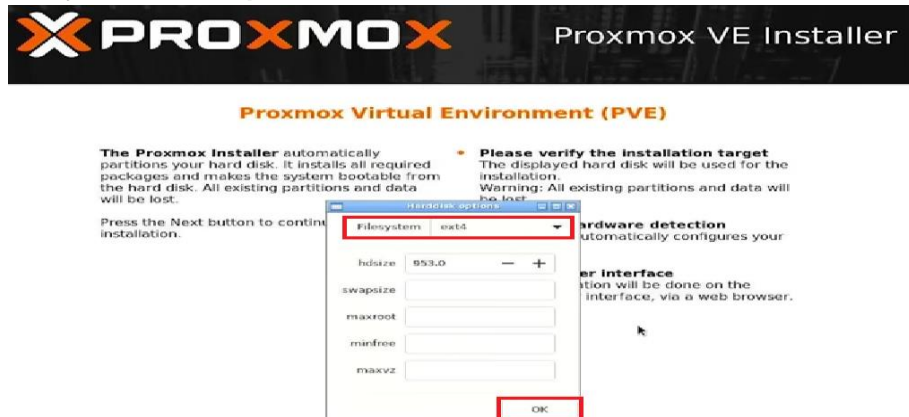


Install Proxmox VE (Graphical)
Install Proxmox VE (Console)
Advanced Options

5. Read and accept the EULA to continue.



6. Select the desired storage to install Proxmox on. To set other parameters, such as the filesystem, click Options. It has ext4 set as its default value.



7. Next, set the **Country** to **Philippines**, the **Time zone** to **Asia/manila**, and keyboard layout as **US.English**. The installer will auto-detects most of these configurations.

The Proxmox Installer automatically makes location-based optimizations, like choosing the nearest mirror to download files from. Also make sure to select the correct time zone and keyboard layout.

Press the Next button to continue the installation.

- Country:** The selected country is used to choose nearby mirror servers. This will speed up downloads and make updates more reliable.
- Time Zone:** Automatically adjust daylight saving time.
- Keyboard Layout:** Choose your keyboard layout.

Country: Philippines
Time zone: Asia/Manila
Keyboard Layout: U.S. English

8. Create a strong password for your admin credentials, retype the password to confirm, and type in an email address for system administrator notifications.

Proxmox Virtual Environment is a full featured highly secure GNU/Linux system based on Debian.

Please provide the **root** password in this step.

- Password:** Please use a strong password. It should have 8 or more characters. Also combine letters, numbers, and symbols.
- E-Mail:** Enter a valid email address. Your Proxmox VE server will send important alert notifications to this email account (such as backup failures, high availability events, etc.).

Press the Next button to continue installation.

Password: [masked]
Confirm: [masked]
E-Mail: support@tech2go.ph

9. The final step in installing Proxmox is setting up the network configuration. Select the management interface, server host name, available IP address, default gateway and DNS server. Use either an IPv4 or IPv6 address during installation. If you want to use both, change the setting after installation.

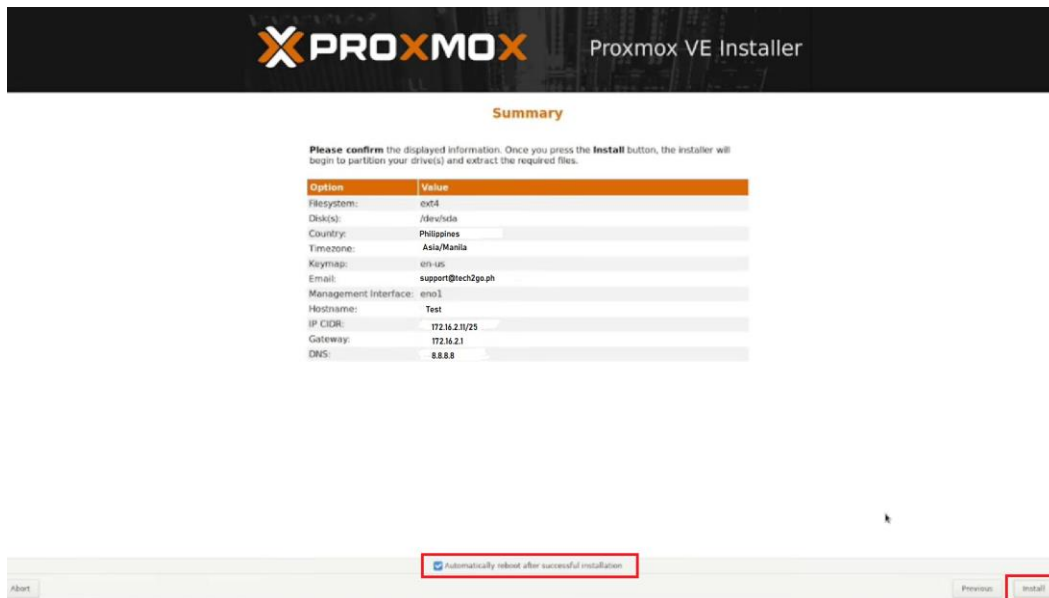
Please verify the displayed network configuration. You will need a valid network configuration to access the management interface after installing.

After you have finished, press the Next button. You will be shown a list of the options that you chose during the previous steps.

- IP address (CIDR):** Set the main IP address and netmask for your server in CIDR notation.
- Gateway:** IP address of your gateway or firewall.
- DNS Server:** IP address of your DNS server.

Management Interface: enp1s0 - 00:0c:29:30:00:75 (en1601)
Hostname(FQDN): Test
IP Address (CIDR): 172.16.2.11 / 25
Gateway: 172.16.2.1
DNS Server: 8.8.8.8

10. The installer will then summarize the selected options. Check the box **Automatically reboot after successful installation** and click on **Install**.



PROXMOX Proxmox VE Installer

Summary

Please confirm the displayed information. Once you press the **Install** button, the installer will begin to partition your drive(s) and extract the required files.

Option	Value
Filesystem:	ext4
Disk(s):	/dev/sda
Country:	Philippines
Timezone:	Asia/Manila
Keymap:	en-us
Email:	support@tech2go.ph
Management interface:	enp1
Hostname:	Test
IP CIDR:	172.16.2.1/25
Gateway:	172.16.2.1
DNS:	8.8.8.8

☒ Automatically reboot after successful installation

Abort Previous **Install**

Step 4: Run Proxmox

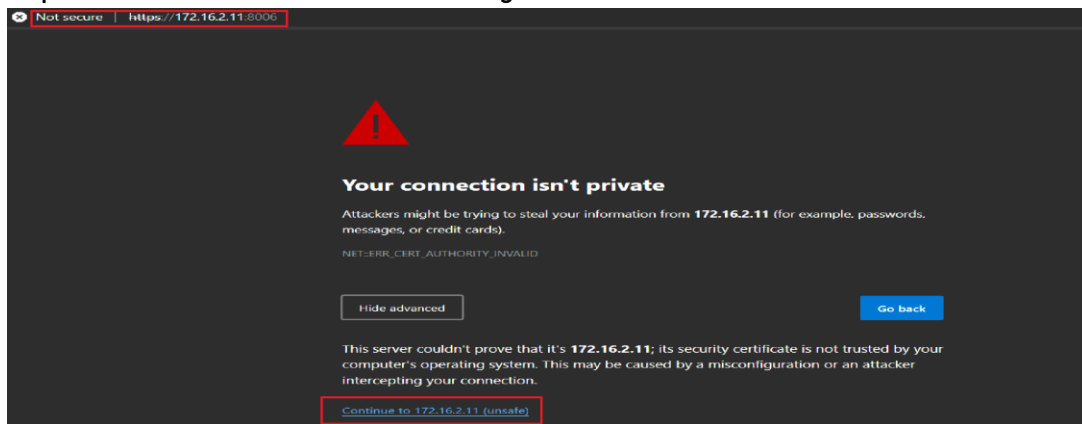
1. Once the installation is completed and the system has rebooted itself, the Proxmox GRUB menu loads. Select **Proxmox Virtual Environment GNU/Linux** and press **Enter**.



2. Next, the Proxmox VE welcome message appears. It includes an IP address which loads Proxmox. Navigate to that IP address in a web browser of your choice.



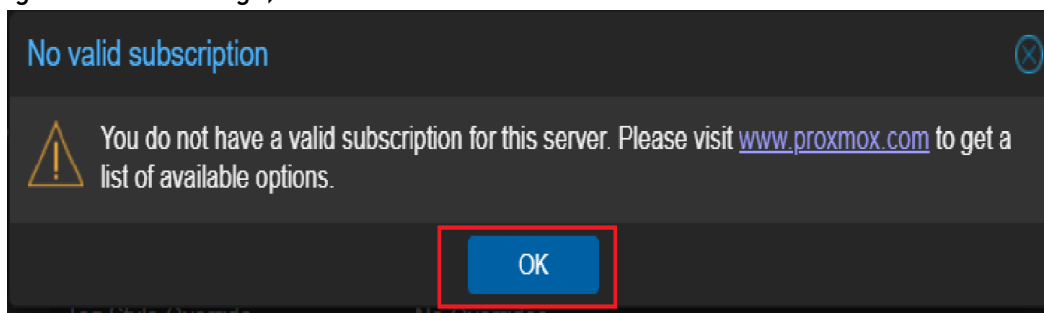
3. After navigating to the required IP address, you will most likely see a warning message that the page is unsafe because Proxmox VE uses self-signed SSL certificates. Select to proceed to the Proxmox web management interface.



4. To access the interface, log in as **root** and provide the password set when installing Proxmox.

A screenshot of the Proxmox VE Login page. The title is 'Proxmox VE Login'. There are four input fields: 'User name:', 'Password:', 'Realm:', and 'Language:'. The 'Realm:' field has a dropdown menu showing 'Linux PAM standard authentication'. The 'Language:' field has a dropdown menu showing 'English - English'. At the bottom, there is a checkbox labeled 'Save User name:' and a blue 'Login' button.

5. A dialogue box pops up saying **there is no valid subscription for the server**. This is because Proxmox offers an add-on service you can subscribe to, which is optional. To ignore the message, click **OK**.



Once done, It will prompt you to the web gui of Proxmox

