# Boot from the installation media

### **Proxmox VE 8.0.3**

#### Intro to Proxmox

- From the documentation: "Proxmox Virtual Environment is a complete open-source platform for enterprise virtualization. With the built-in web interface you can easily manage VMs and containers, software-defined storage and networking, high-availability clustering, and multiple out-of-the-box tools using a single solution."
- based on Debian stable
- Bare-metal install
- Fully-featured and ideal for Enterprise installations at a fraction of the cost of an ESXi solution

### Booting into the installation media

• Select Install Proxmox VE (Graphical) option and accept the EULA. This can CERTAINLY be done from the console, but for simplicity's sake, I'll use the graphical installation for this walkthrough. Note that Proxmox is a bare metal install - it WILL automatically partition your harddisk and you will lose all existing partitions and data



# Welcome to Proxmox Virtual Environment

Install Proxmox VE (Graphical)

Install Proxmox VE (Console)
Advanced Options

enter: select, arrow keys: navigate, esc: back



## Proxmox VE Installer

#### **END USER LICENSE AGREEMENT (EULA)**

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Abort

Previous

I agree



# Proxmox VE Installer

### **Proxmox Virtual Environment (PVE)**

The Proxmox Installer automatically partitions your hard disk. It installs all required packages and makes the system bootable from the hard disk. All existing partitions and data will be lost.

Press the Next button to continue the installation.

• Please verify the installation target

The displayed hard disk will be used for the installation.

Warning: All existing partitions and data will be lost.

Automatic hardware detection

The installer automatically configures your hardware.

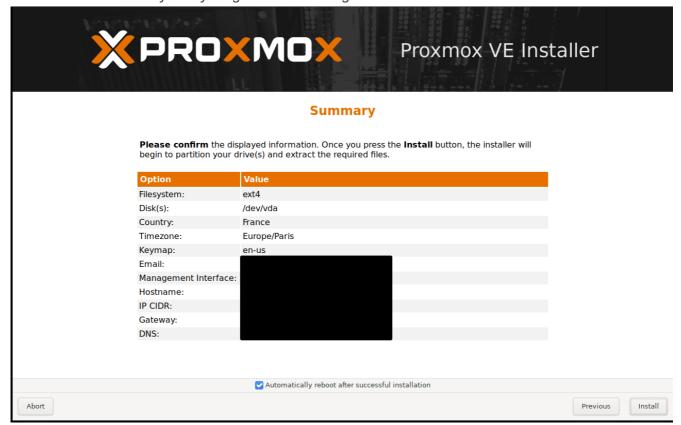
Graphical user interface

Final configuration will be done on the graphical user interface, via a web browser.

Target Harddisk:	/dev/vda (200.00GiB) ▼ Options	
Abort		Previous Next

- You'll run through several configuration screens providing the necessary information to configure your Proxmox server. You'll start with configuring your country, timezone and language, setting the password for the root user and verifying your Management Network Configuration. This last step is very important for accessing the management interface after installation.
  - Management interface
  - Hostname (FQDN)
  - IP Address
  - Gateway
  - o DNS Server

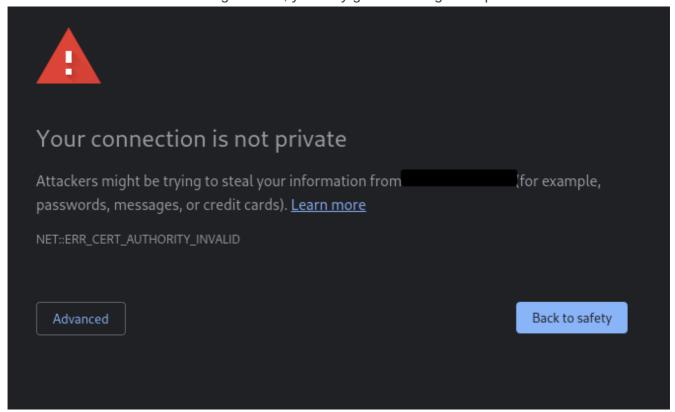
· You'll be asked to verify everything before installing



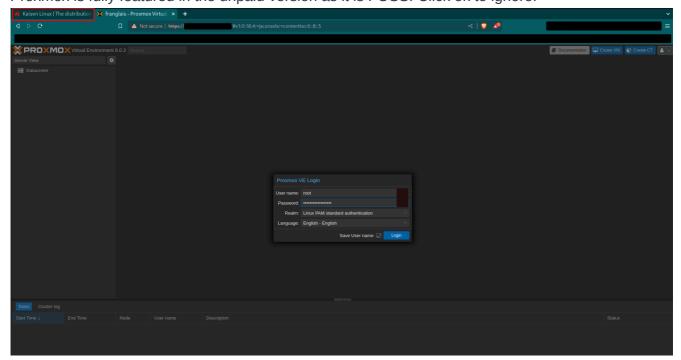
After installation, you'll see a screen similar to the following with an IP address and port directing
you to log into the browser-based management interface

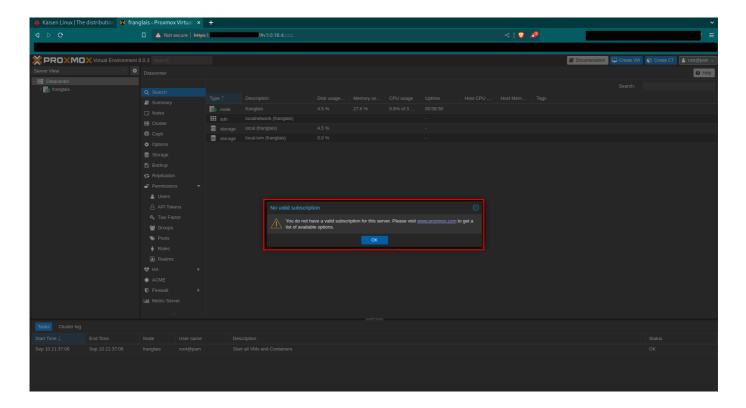


• Because Proxmox uses a self-signed cert, you may get a warning. Accept it and continue



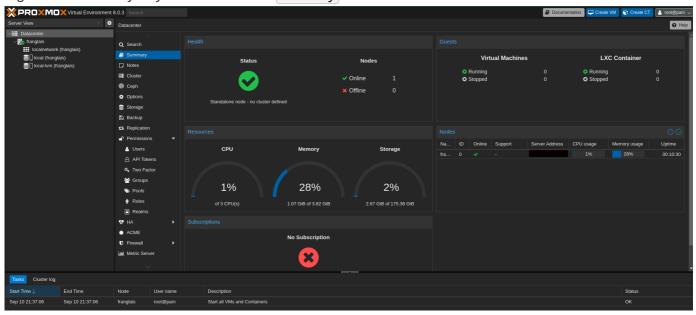
• From your browser of choice, login with the root account credentials you created earlier. Note that you will get a popup for nothaving a valid subscription. That is for the support and is optional - Proxmox is fully featured in the unpaid version as it is FOSS. Click ok to ignore.



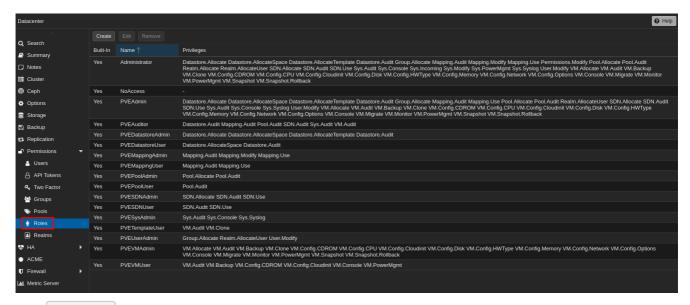


### **Getting Familiar with the Interface**

The initial page your are brought to is in the <code>Datacenter</code> section. From this console you can see a high-level summary of your server in the <code>summary</code> subsection



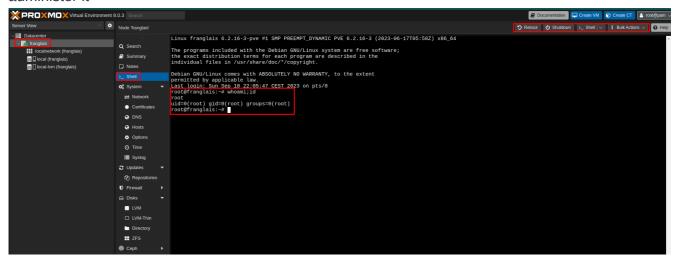
- In the users section you can configure and manage user accounts, password policies, API tokens, authentication and more
- In the roles menu you can see built-in roles and their privileges and even create custom roles. Note the granularity of the roles



• The Firewall menu allows you to configure firewall options to further secure your Proxmox server

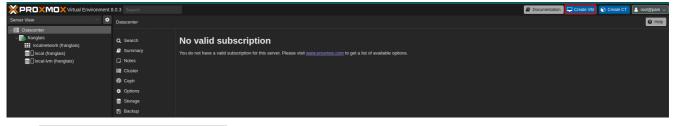
### **Managing your Proxmox server**

• In the <u>user</u> section, you have more system information and a shell to interact with your server and administer it

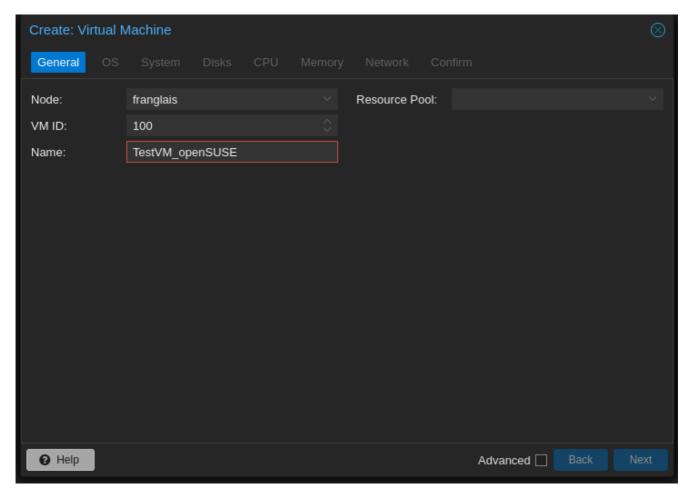


## **Creating a VM**

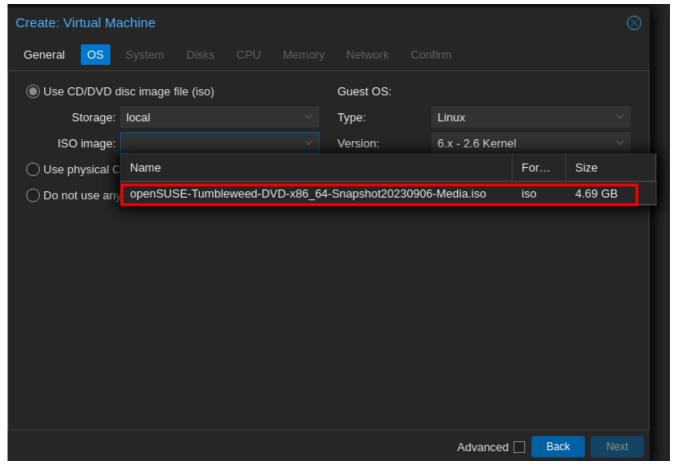
• Select Create VM in the upper right hand corner to create and manage your first VM, or Create CT to create and manage a container

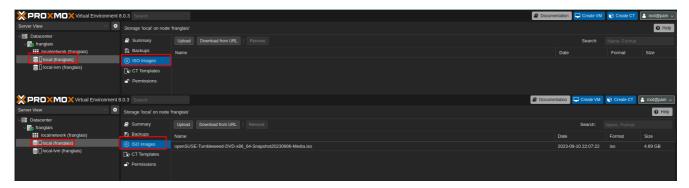


• The Create: Virtual Machine menu is very intuitive and easily navigates you through the stepby-step of creating a VM, adding to a node or cluster, and allocating resources

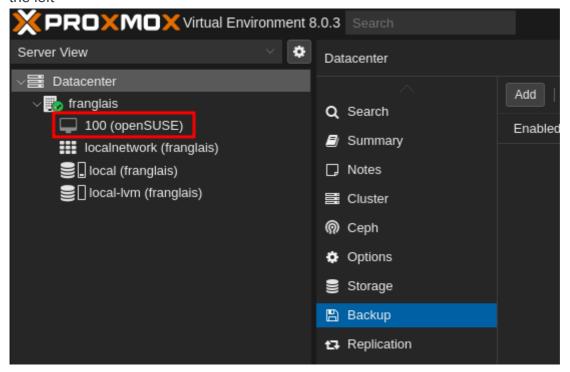


• Note that the ISO image must already be stored on the Proxmox server. This is done in the local storage on the user node and can be downloaded from your workstation

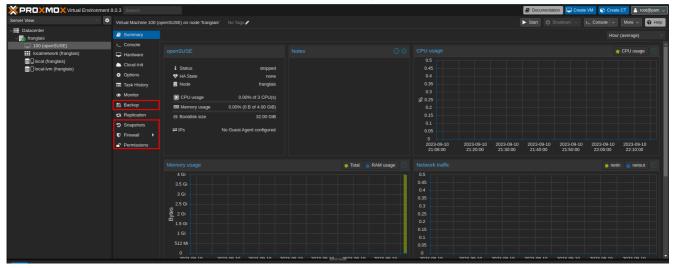




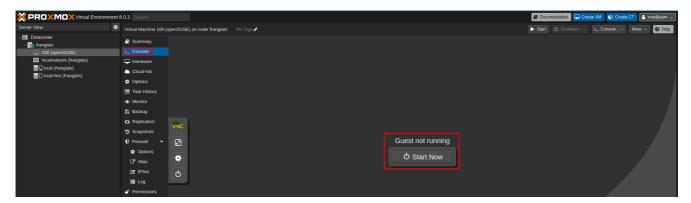
 Once you navigate through the menu and create/configure your VM, it will appear in your menu on the left



 Selecting that machine shows you an overall dashboard that gives you high level VM statiscis as well as snapshots, backups, permissions and firewall options for your new VM



• Selecting console on the left or start at the upper right will give you the option to start your machine if you did not configure it to automatically start up on boot



• From there, interact with your VM !!

