

Documentation Proxmox

Introduction

- Proxmox est un open source de management de virtualisation de serveurs, cela signifie que Proxmox permet à un utilisateur d'installer différents systèmes d'exploitation tels que Windows, Linux, Unix, ...
- Que ce soit sur un seul ordinateur ou sur un cluster de machines qui est construit en regroupant plusieurs ordinateurs.
- Proxmox propose une interface Web, accessible après l'installation sur un serveur. Cette interface facilite la gestion de la machine virtuelle, puisque généralement, quelques clics suffisent, nous avons décidé d'utiliser sa dernière version, qui est le 7.0

- Nous sommes dans l'interface d'Installation, il faut cliquer sur « INSTALL Proxmox VE »

Proxmox VE 7.1 (iso release 2) - <https://www.proxmox.com/>



Welcome to Proxmox Virtual Environment

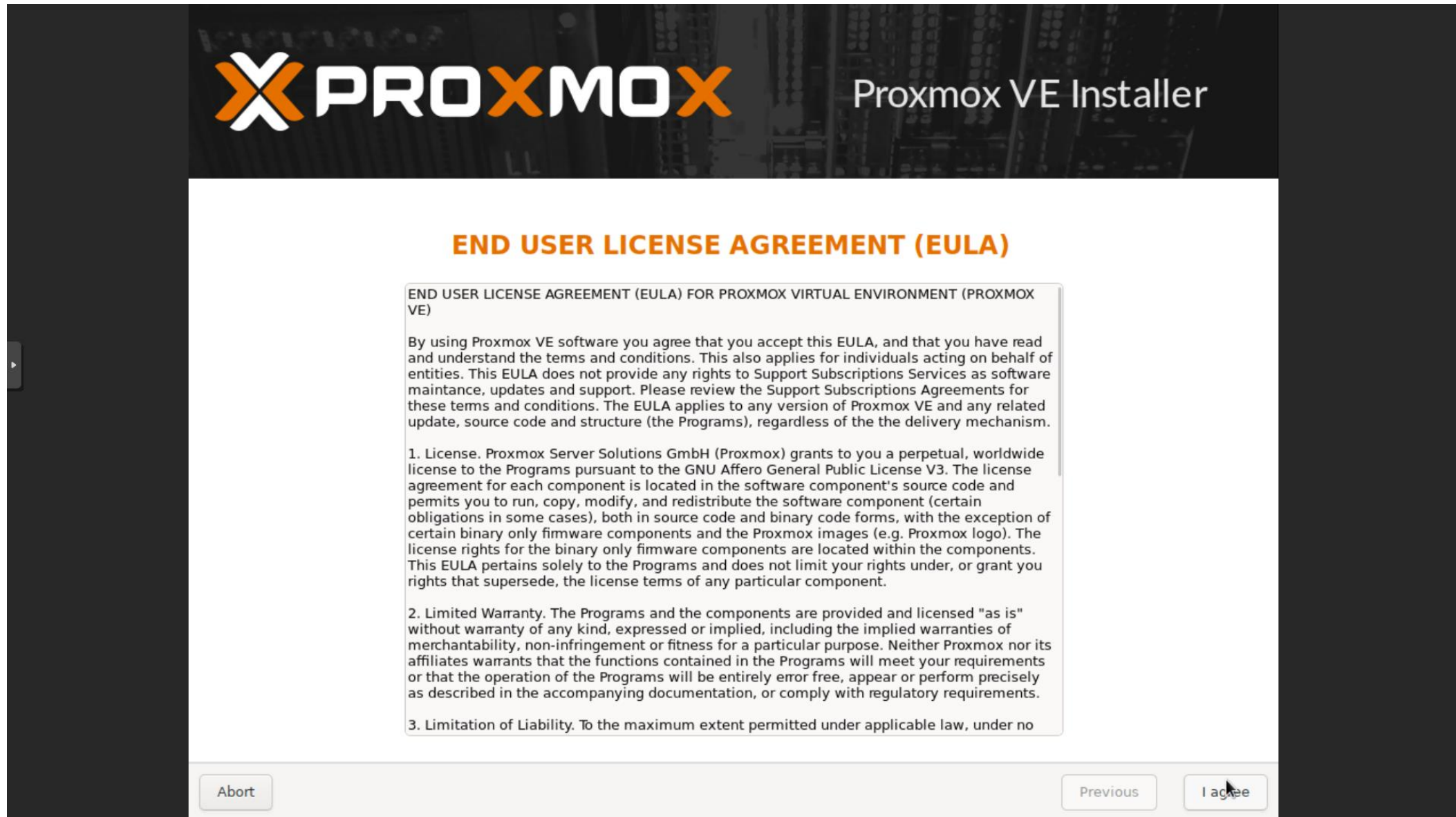
Install Proxmox VE

Install Proxmox VE (Debug mode)

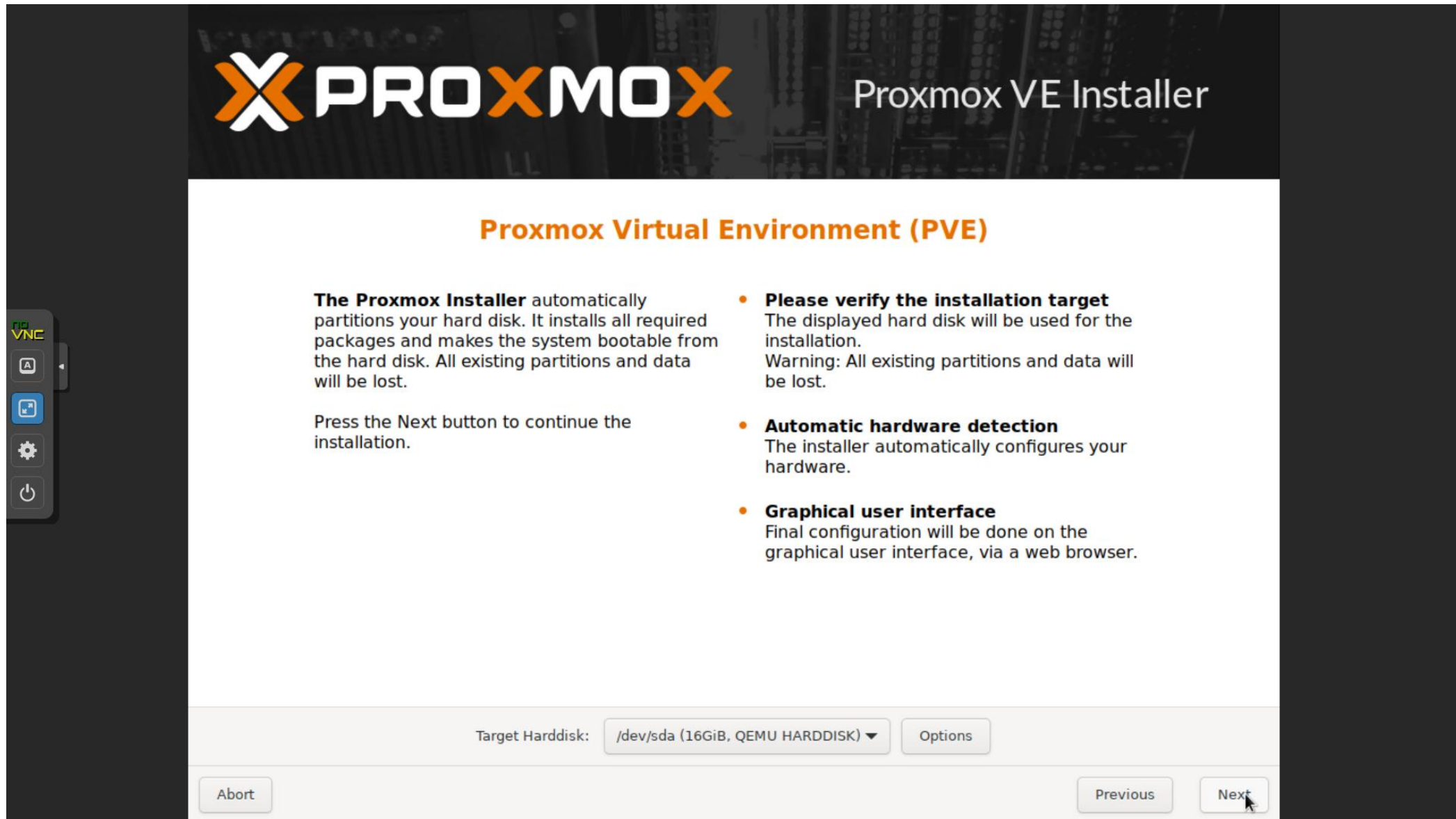
Rescue Boot

Test memory (Legacy BIOS)

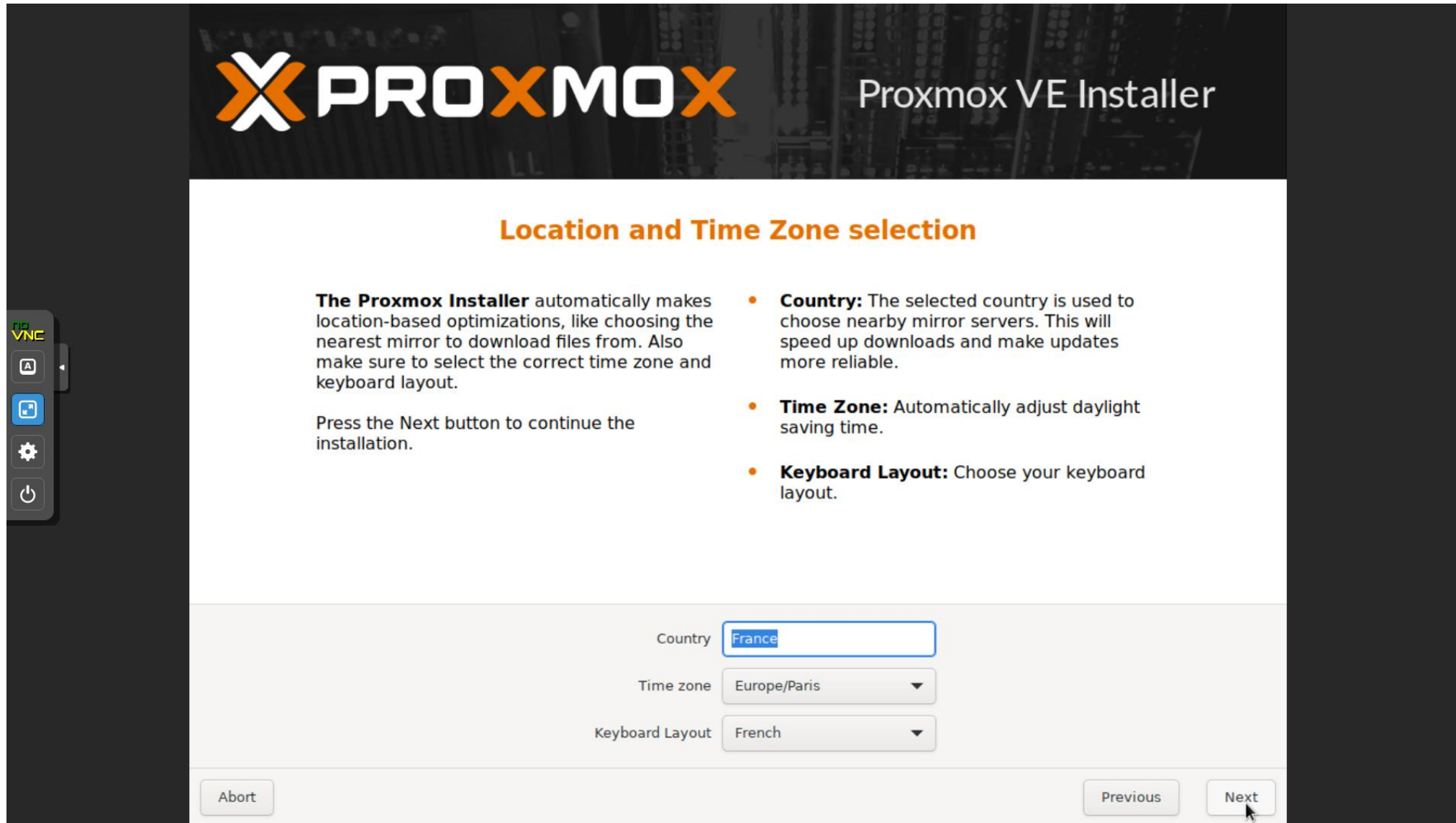
- Il faut ensuite accepter les termes d'utilisation



- Nous devons choisir le disque dur sur lequel sera effectué notre installation, puis cliquer sur « Next »



- Nous devons ensuite choisir la localisation et la Zone dans laquelle nous nous trouvons puis cliquer sur « Next »



XPROXMOX Proxmox VE Installer

Location and Time Zone selection

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.

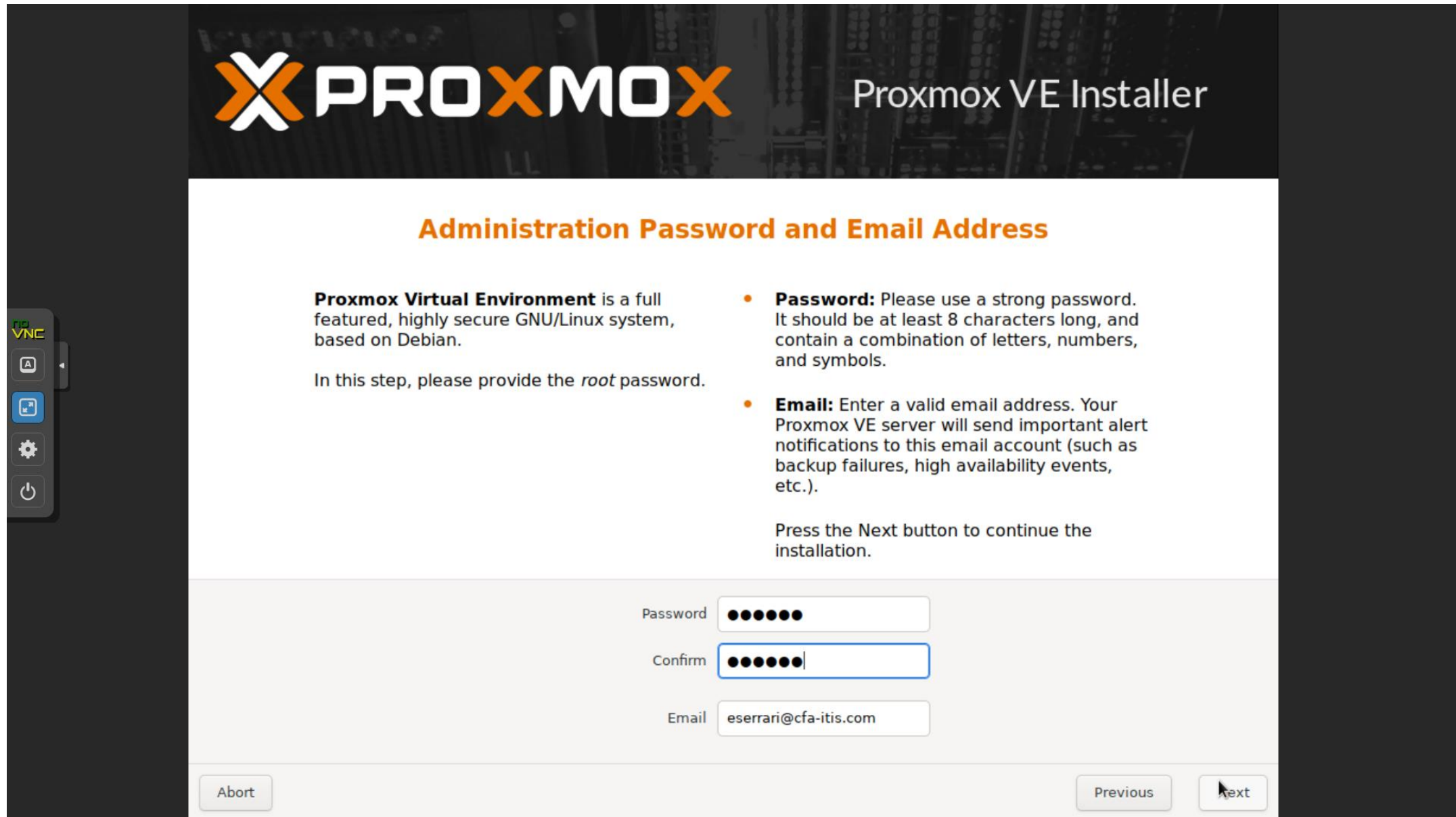
Country

Time zone

Keyboard Layout

Abort Previous **Next**

- Nous entrons ensuite dans l'interface d'administration, où nous devons mettre un mot de passe et une adresse email



The screenshot shows the Proxmox VE Installer interface. At the top, the Proxmox logo and 'Proxmox VE Installer' text are visible. The main heading is 'Administration Password and Email Address'. On the left, a sidebar contains icons for VNC, a terminal, a document, settings, and power. The main content area explains that Proxmox Virtual Environment is a full featured, highly secure GNU/Linux system based on Debian. It instructs the user to provide the root password. Two bullet points provide guidelines for the password (strong, at least 8 characters, combination of letters, numbers, and symbols) and the email address (valid, for alert notifications). Below the text, there are three input fields: 'Password' (masked with dots), 'Confirm' (masked with dots and a cursor), and 'Email' (containing 'eserrari@cfa-itis.com'). At the bottom, there are 'Abort', 'Previous', and 'Next' buttons. A mouse cursor is hovering over the 'Next' button.

Proxmox VE Installer

Administration Password and Email Address

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

In this step, please provide the *root* password.

- **Password:** Please use a strong password. It should be at least 8 characters long, and contain a combination of letters, numbers, and symbols.
- **Email:** 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.).

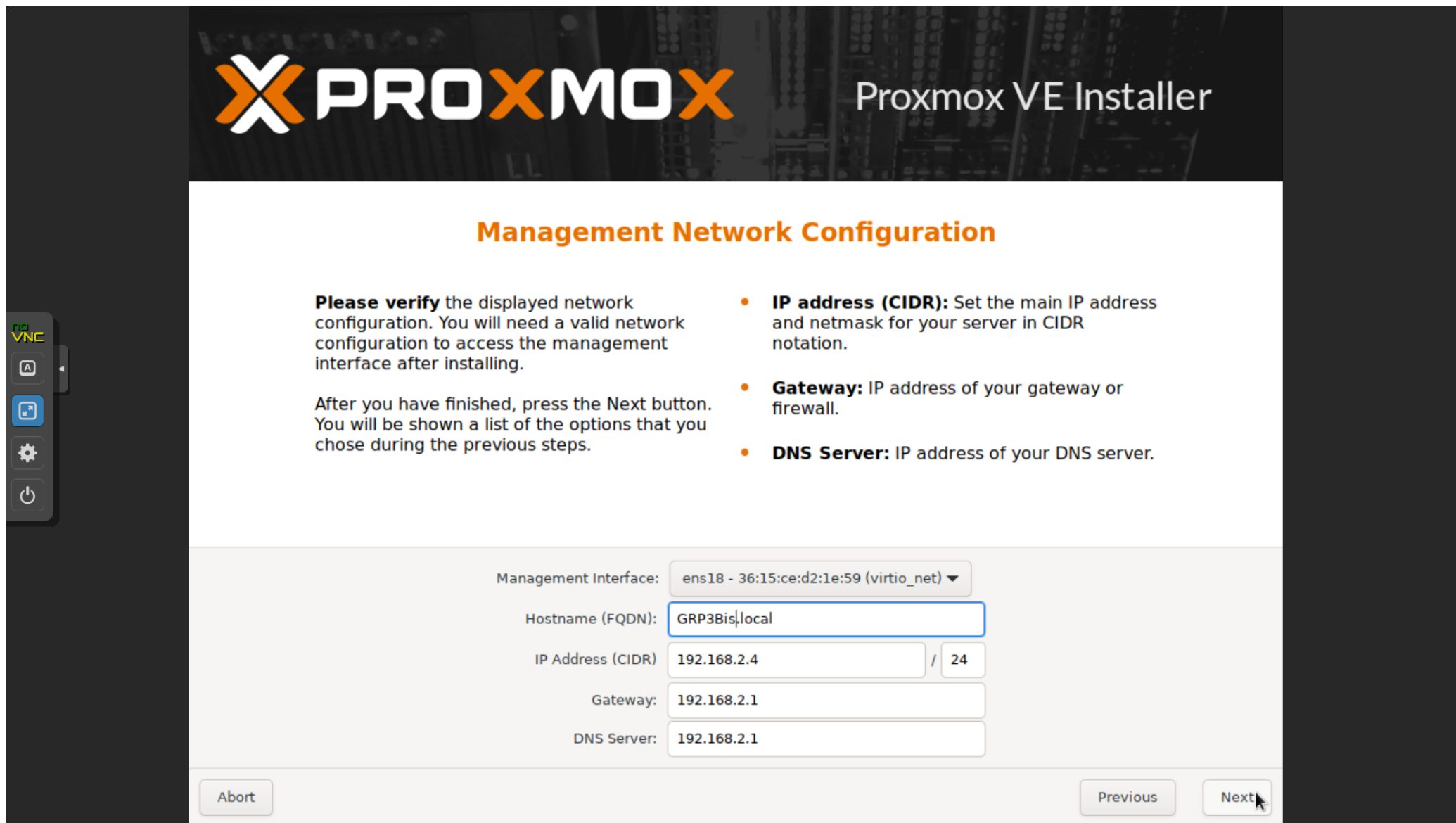
Press the Next button to continue the installation.

Password:

Confirm:

Email:

- Nous sommes dans l'interface réseau, où nous devons configurer notre réseau



The screenshot shows the Proxmox VE Installer interface. At the top, the Proxmox logo and 'Proxmox VE Installer' text are visible. The main heading is 'Management Network Configuration'. Below this, there is a paragraph instructing the user to verify the network configuration and a list of three configuration items: IP address (CIDR), Gateway, and DNS Server. The bottom section contains input fields for these settings. On the left side of the installer window, there is a vertical toolbar with icons for VNC, a terminal, a file manager, settings, and power.

Proxmox VE Installer

Management Network Configuration

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: ens18 - 36:15:ce:d2:1e:59 (virtio_net) ▼

Hostname (FQDN): GRP3Bis.local

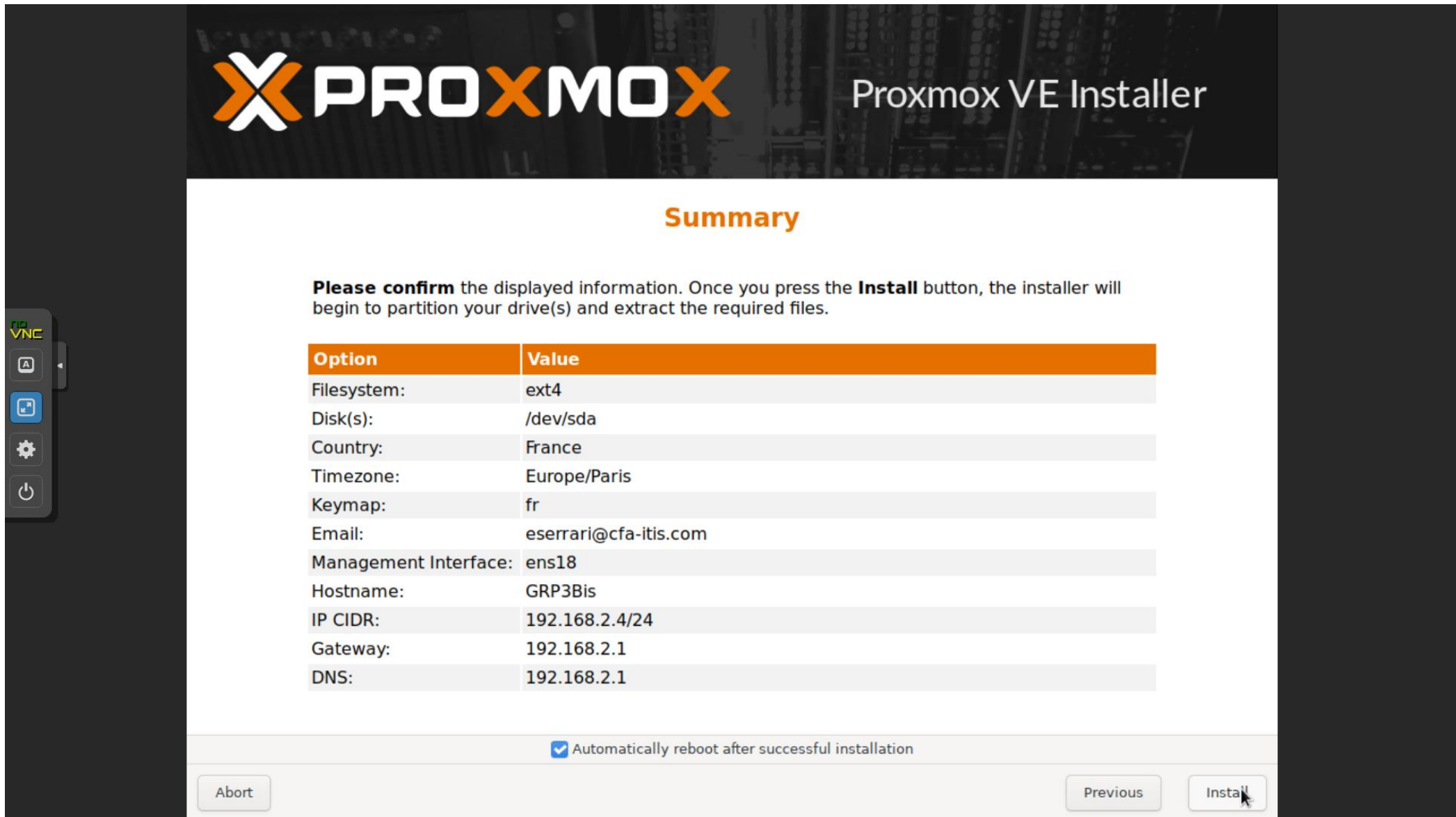
IP Address (CIDR): 192.168.2.4 / 24

Gateway: 192.168.2.1

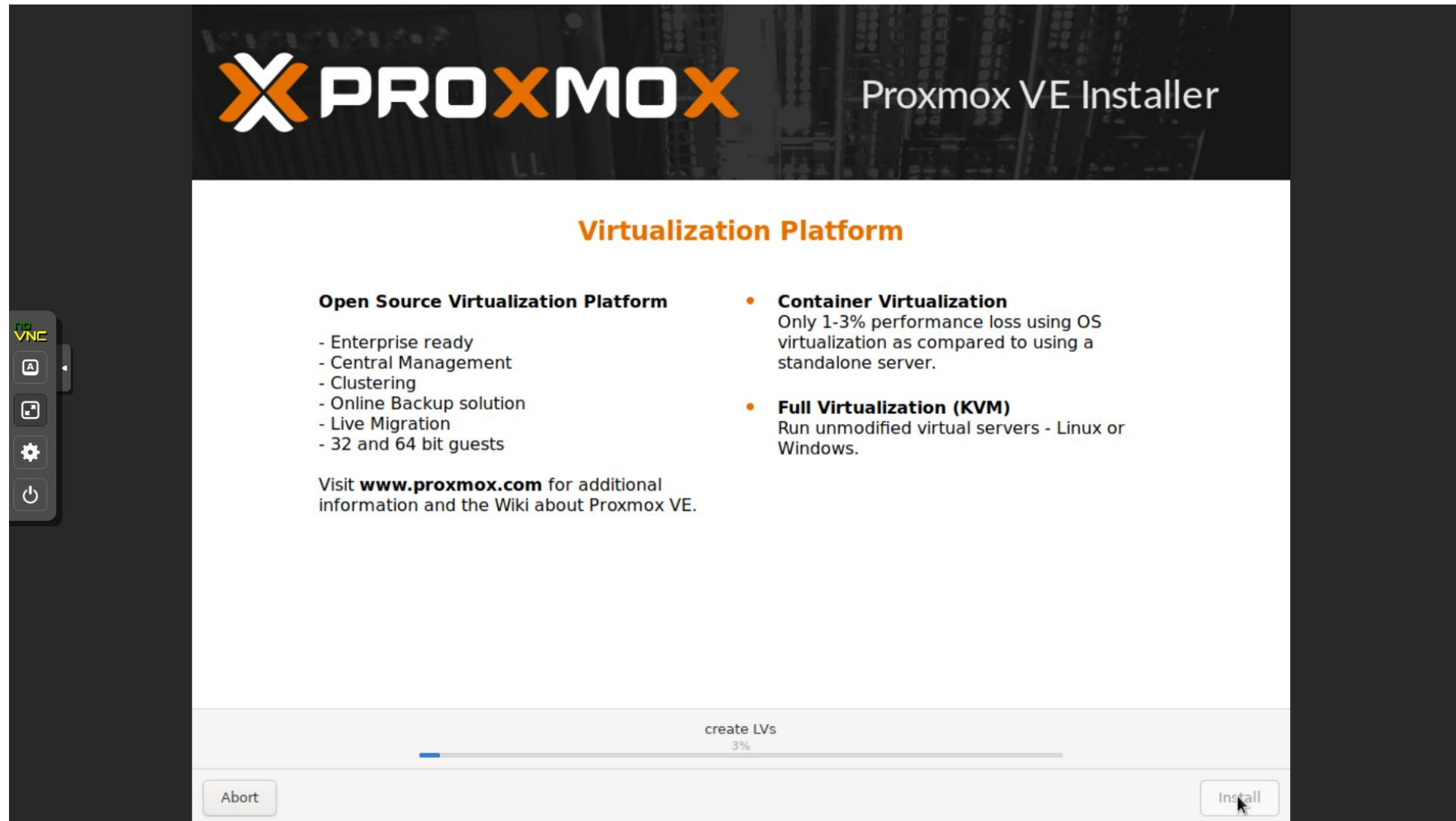
DNS Server: 192.168.2.1

Abort Previous Next

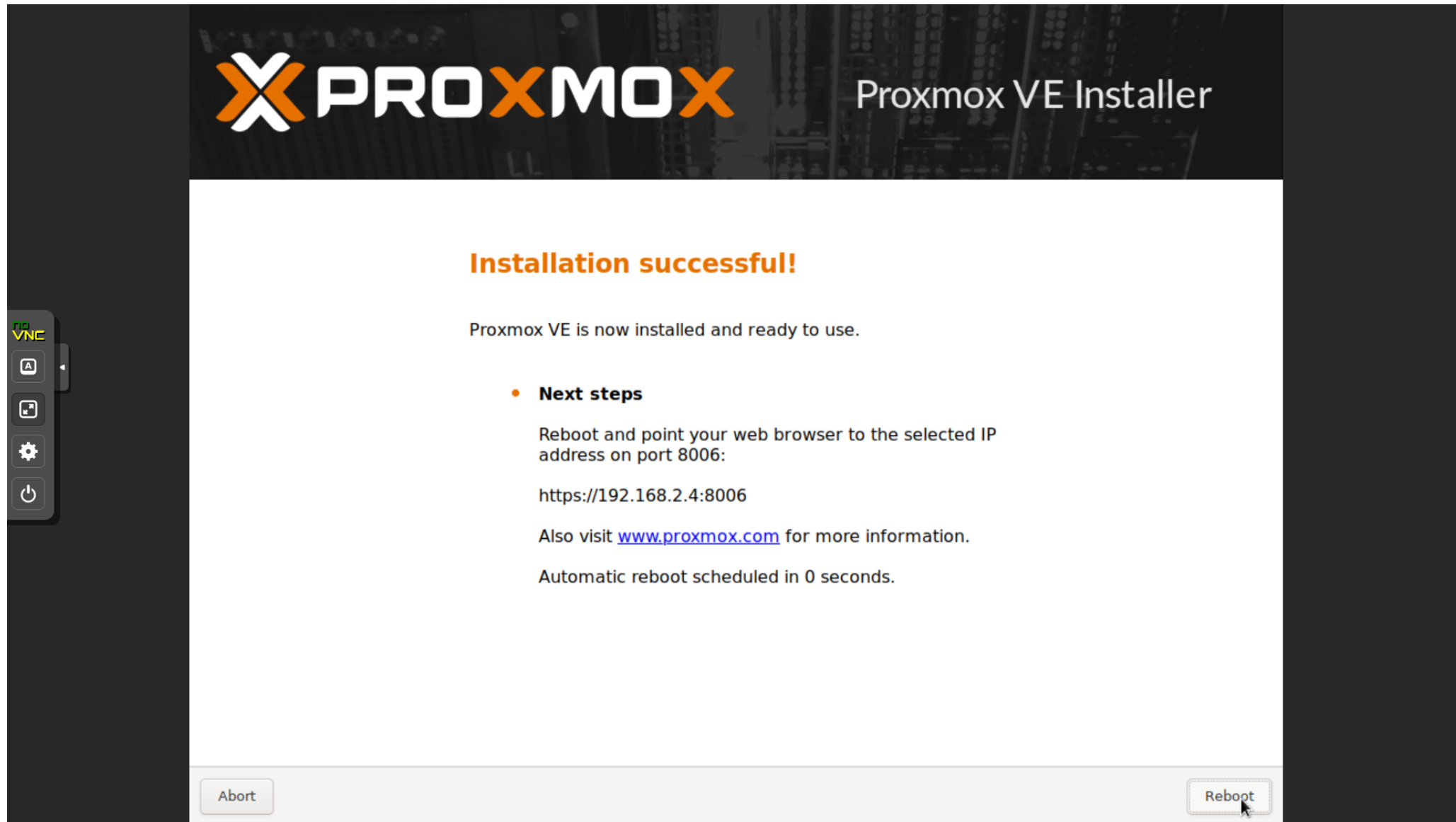
- Puis, nous accédons au résumé des configurations pour notre réseau, une fois les paramètres effectués, nous cliquons sur « Install »



- Il faut patienter le temps que Proxmox s'installe



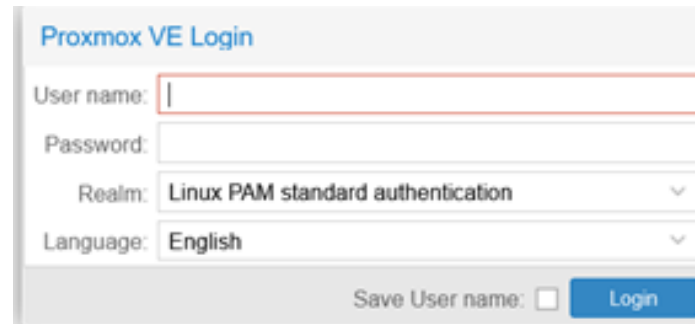
- L'interface installée, on clique sur « Reboot », qui permettra d'accéder à notre système



- L'interface étant installé, nous pouvons accéder à notre interface via ce lien:

<https://192.168.2.4:8006>

Il suffit maintenant de se connecter à l'interface de Proxmox



The image shows the Proxmox VE Login interface. It features a title 'Proxmox VE Login' in blue. Below the title are four input fields: 'User name:' (with a red border), 'Password:', 'Realm:' (set to 'Linux PAM standard authentication'), and 'Language:' (set to 'English'). At the bottom, there is a checkbox for 'Save User name:' and a blue 'Login' button.

Proxmox VE Login

User name:

Password:

Realm: Linux PAM standard authentication

Language: English

Save User name: ☐

- Nous pouvons maintenant gérer l'interface comme nous voulons

GRP3Bis - Proxmox Virtual Envir

← → ↻

https://192.168.2.4:8006/#v1:0:18:4:.....

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PROXMOX Virtual Environment 7.1-7

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Create VM

Create CT

root@pam

Server View

Datacenter

GRP3Bis

Datacenter

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Summary

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Ceph

Options

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Type ↑	Description	Disk usage...	Memory us...	CPU usage	Uptime	Host CPU ...	Host Mem...
node	GRP3Bis	68.4 %	24.3 %	1.0% of 4 ...	00:07:31		
storage	local (GRP3Bis)	68.4 %			-		
storage	local-lvm (GRP3Bis)	0.0 %			-		

Help

Search:

Tasks

Cluster log

Start Time ↓	End Time	Node	User name	Description	Status
Apr 22 14:24:28	Apr 22 14:24:28	GRP3Bis	root@pam	Start all VMs and Containers	OK

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22/04/2022