

Documentation PROXMOX SERVER

Préparé par

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DÉFINITION

Proxmox VE (Virtual Environment): Plateforme open-source pour la virtualisation basée sur KVM (Kernel-based Virtual Machine) et LXC (Linux Containers).

KVM (Kernel-based Virtual Machine): Technologie de virtualisation qui permet de créer des machines virtuelles complètes.

LXC (Linux Containers): Technologie de conteneur légère pour exécuter des applications isolées.

Cluster : Regroupement de plusieurs serveurs Proxmox pour gérer les ressources de manière centralisée.

QEMU (Quick Emulator) : Émulateur utilisé pour virtualiser les systèmes x86 et ARM.

ISO (Image disque): Fichier image utilisé pour installer des systèmes d'exploitation.



PRÉREQUIS

- Serveur DELL EMC R740
- Clé USB
- ISO Proxmox VE (disponible sur ce lien : https://www.proxmox.com/en/downloads)



INSTALLATION

UNE FOIS QUE VOUS AVEZ EFFECTUÉ UN DÉMARRAGE SUR LA CLÉ USB SUR LE SERVEUR, VOUS ARRIVEREZ SUR CET ÉCRAN.

Proxmox VE 8.3 (iso release 1) - https://www.proxmox.com/



Welcome to Proxmox Virtual Environment

Install Proxmox VE (Graphical)
Install Proxmox VE (Terminal UI)
Advanced Options

0 second(s) until boot

enter: select, arrow keys: navigate, e: edit entry, esc: back

CHOISISSEZ "INSTALL PROXMOX VE (GRAPHICAL)" EN APPUYANT SUR "ENTRÉE"
SUR VOTRE CLAVIER.



ENSUITE, CLIQUEZ SUR "I AGREE".



Proxmox VE Installer

END USER LICENSE AGREEMENT (EULA)

END USER LICENSE AGREEMENT (EULA) FOR PROXMOX VIRTUAL ENVIRONMENT (PROXMOX VE)

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Abort

Previous

I agree

CHOISISSEZ VOTRE DISQUE (NORMALEMENT DÉJÀ CHOISI PAR DÉFAUT), PUIS CLIQUEZ SUR "NEXT".



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.



CONFIGUREZ LE PAYS, LE FUSEAU HORAIRE (TIME ZONE) ET LE CLAVIER (KEYBOARD LAYOUT), PUIS CLIQUEZ SUR "NEXT".

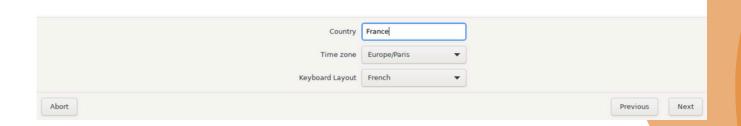


Location and Time Zone selection

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.



CONFIGUREZ UN MOT DE PASSE ET UN EMAIL, PUIS CLIQUEZ SUR "NEXT".



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	r.bellahouel@ecole-ipssi.net	
Abort		Previous



Abort

CONFIGUREZ L'INTERFACE RÉSEAU, LE HOSTNAME, L'IP DE LA MACHINE, LA GATEWAY ET LE DNS, PUIS CLIQUEZ SUR "NEXT".



VOICI UN RÉCAPITULATIF DES INFORMATIONS QUE VOUS AVEZ SAIS<mark>IES. SI</mark> VOUS ÊTES SÛR. APPUYEZ SUR "INSTALL".



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:	France
Timezone:	Europe/Paris
Keymap:	fr
Email:	r.bellahouel@ecole-ipssi.net
Management Interface:	enp0s3
Hostname:	m2I
IP CIDR:	192.168.1.123/24
Gateway:	192.168.1.1
DNS:	192.168.1.1

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Next



L'INSTALLATION DÉMARRE...



Proxmox VE Installer

Virtualization Platform

Open Source Virtualization Platform

- Enterprise ready
- Central Management
- Clustering
- Online Backup solution
 Live Migration
- 32 and 64 bit guests

For more information, visit www.proxmox.com or the Proxmox VE wiki.

Container Virtualization

Only 1-3% performance loss using OS virtualization as compared to using a standalone server.

Full Virtualization (KVM)

Run unmodified virtual servers - Linux or Windows.

create partitions Abort Install

ENCORE UN PEU DE PATIENCE, C'EST PRESQUE FINI...



Virtualize your IT Infrastructure

Proxmox VE is ready for enterprise deployments.

The role based permission management combined with the integration of multiple external authentication sources is the base for a secure and stable environment.

Visit www.proxmox.com for more information about commercial support subscriptions.

Commitment to Free Software

The source code is released under the GNU Affero General Public License.

RESTful web API

Resource-oriented architecture (ROA) and declarative API definition using JSON Schema enable easy integration for third party management tools.

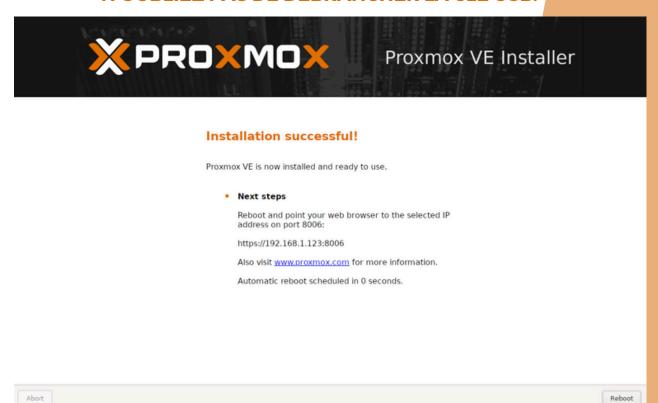
Virtual Appliances

Pre-installed applications - up and running within a few seconds.

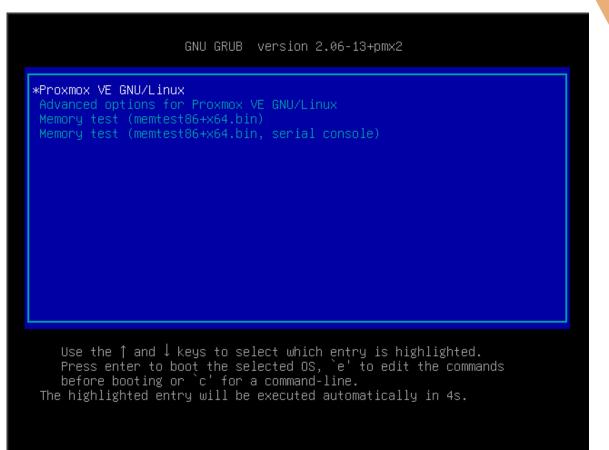
extracting librdkafka1_2.0.2-1_amd64.deb



L'INSTALLATION EST TERMINÉE. CLIQUEZ SUR "REBO<mark>OT".</mark> N'OUBLIEZ PAS DE DÉBRANCHER LA CLÉ USB.



LA MACHINE REDÉMARRE, APPUYEZ SUR LA TOUCHE "ENTRÉE" POUR DÉMARRER PROXMOX VE GNU/LINUX.





NOUS VOICI SUR CETTE PAGE, AVEC COMME INFORMATION L'IP DE LA MACHINE ET LE PORT POUR Y ACCÉDER. N'OUBLIEZ PAS CETTE INFORMATION, NOUS EN AURONS BESOIN.

Welcome to the Proxmox Virtual Environment. Please use your web browser to configure this server - connect to:	
https://192.168.1.123:8006/	
m21 login:	

POUR VOUS CONNECTER AU SHELL, C'EST TRÈS SIMPLE, LE LOGIN EST "ROOT".

Aelcome to the Proxmox Virtual Environment. Please use your web browser to configure this server - connect to:	
https://192.168.1.123:8006/	
n2l login: root	



LE MOT DE PASSE EST CELUI QUE VOUS AVEZ SAISI PENDANT LA CONFIGURATION.

Walana to the Beaumy Victoral Environment Blanca was usually beauting to	
Welcome to the Proxmox Virtual Environment. Please use your web browser to configure this server - connect to:	
https://192.168.1.123:8006/	
m2l login: root Password:	

VOUS ÊTES MAINTENANT BIEN CONNECTÉ AU SHELL.

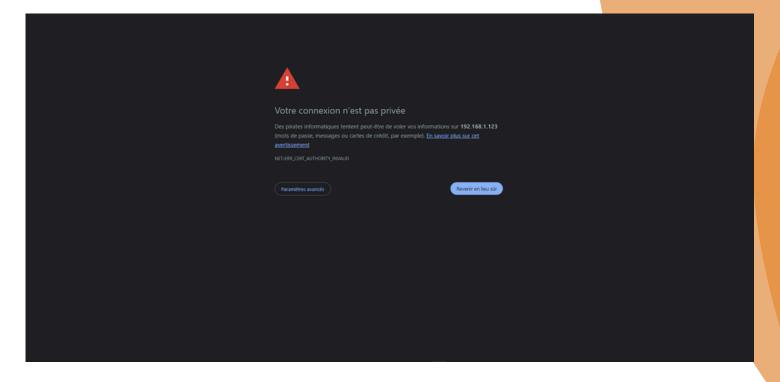
Relcome to the Proxmox Virtual Environment. Please use your web browser to configure this server - connect to:
https://192.168.1.123:8006/
n2l login: root Password:
.ogin incorrect m2l login: root Password:
_inux m21 6.8.12-4-pve #1 SMP PREEMPT_DYNAMIC PMX 6.8.12-4 (2024-11-06T15:04Z) x86_64
The programs included with the Debian GNU/Linux system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright.
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law. root@m21:~#



RENDEZ-VOUS MAINTENANT SUR INTERNET, SAISISSEZ L'URL DE VOTRE SERVEUR,
DANS NOTRE CAS "192.168.1.123:8006".

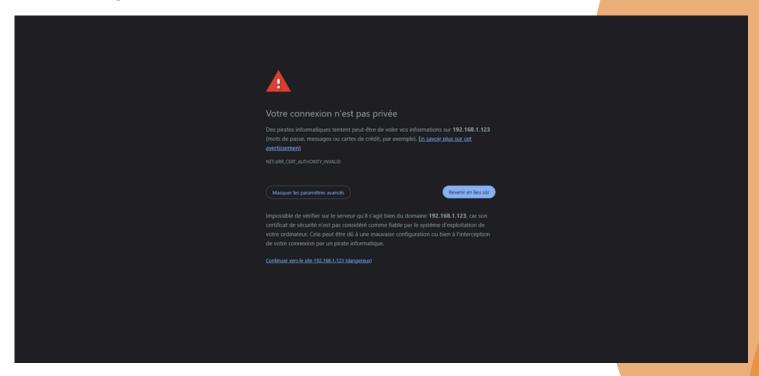


VOTRE CONNEXION N'EST PAS PRIVÉE. CETTE PAGE SURV<mark>IENT QUAND LE SERVICE NE POSSÈDE PAS DE CERTIFICAT SSL/TLS. DANS NOTRE CAS, NOUS SOMMES EN LOCAL, DONC PAS DE PANIQUE. APPUYEZ SUR "PARAMÈTRES AVANCÉS".</mark>

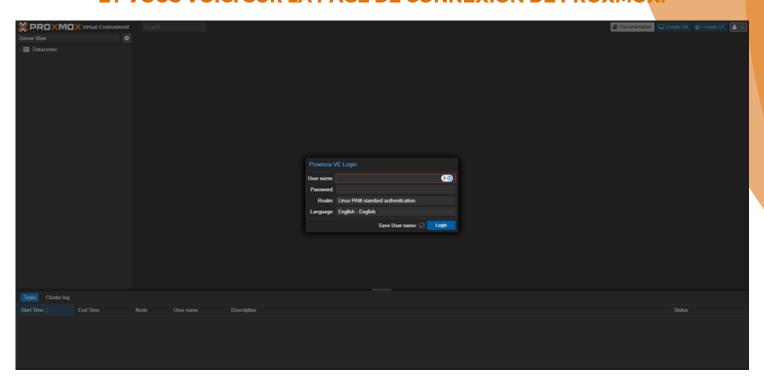




PUIS CLIQUEZ SUR "CONTINUER VERS LE SITE 192.168.1.123 (DANGEREUX)".



ET VOUS VOICI SUR LA PAGE DE CONNEXION DE PROXMOX.



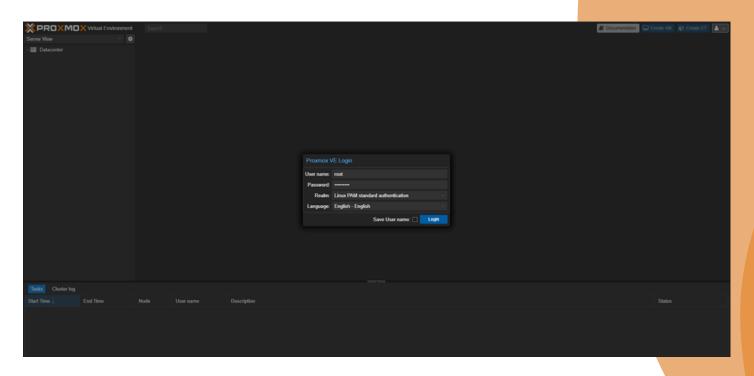


LE USERNAME ET LE MOT DE PASSE SONT LES MÊMES QUE CEUX QUE VOUS AVEZ CONFIGURÉS SUR LE SHELL.

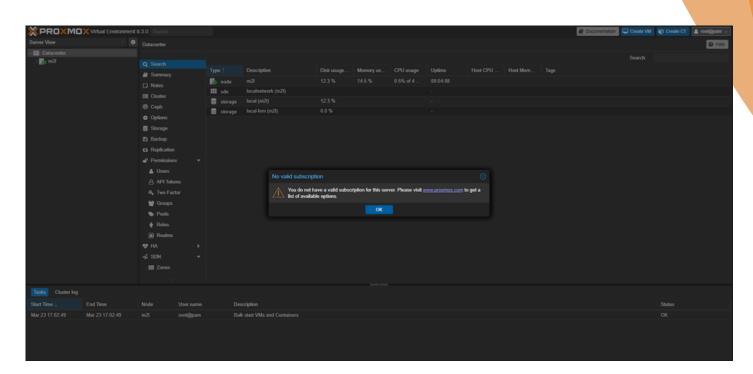
DONC:

USERNAME: ROOT

PASSWORD: VOTRE MOT DE PASSE.

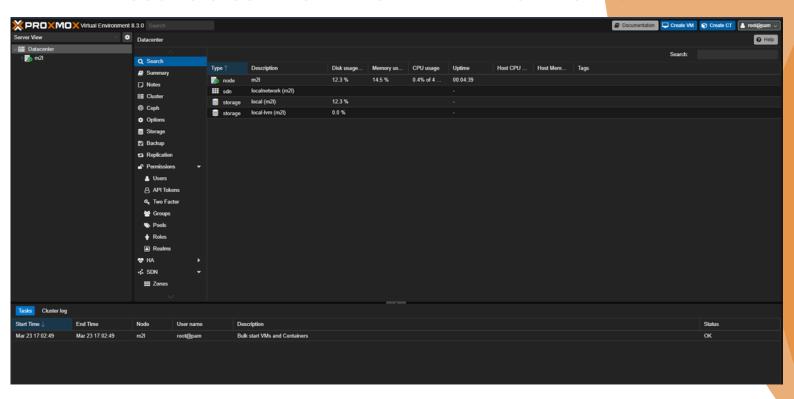


APPUYEZ SUR "OK".





ET VOUS VOICI CONNECTÉ À VOTRE INTERFACE PROXMOX.



VOUS POUVEZ MAINTENANT CONFIGURER VOS SERVICES ET AUTRES.