

ZABBIX

Nombre: Wilson Manuel Santos Ajcot

Carné: 201907179

FUNCIONAMIENTO PROXMOX Y ZABBIX

The image displays two screenshots of server management interfaces. The top screenshot shows the Proxmox Virtual Environment (VE) interface, version 7.2-3. The bottom screenshot shows the Zabbix monitoring dashboard.

Proxmox Virtual Environment 7.2-3

The Proxmox interface shows a 'Datacenter' view with a search bar and a list of resources. The resources table is as follows:

Type	Description	Disk usage	Memory us...	CPU usage	Uptime	Host CPU	Host Mem
node	pve	26.4 %	14.3 %	1.6% of 1 ...	00:17:22		
storage	local (pve)	26.4 %					
storage	local-lvm (pve)	0.0 %					

The 'Tasks' section shows a cluster log with the following entries:

Start Time	End Time	Node	User name	Description	Status
Sep 04 15:09:38	Sep 04 15:09:38	pve	root@pam	Start all VMs and Containers	OK
Sep 04 15:04:13	Sep 04 15:04:13	pve	root@pam	Start all VMs and Containers	OK
Sep 04 15:00:40	Sep 04 15:00:40	pve	root@pam	Start all VMs and Containers	OK
Sep 04 14:35:15	Sep 04 14:35:15	pve	root@pam	Start all VMs and Containers	OK

ZABBIX

The Zabbix dashboard shows the 'Global view' with various monitoring widgets. The 'Top hosts by CPU utilization' widget shows the following data:

Utilization	1m avg	5m avg	15m avg	Processes	
Zabbix server	2.7146 %	0.56	0.62	0.28	250

The 'System information' widget shows the following data:

Parameter	Value	Details
Zabbix server is running	Yes	localhost:10051
Number of hosts (enabled/disabled)	1	1 / 0
Number of templates	319	
Number of items (enabled/disabled/not supported)	99	92 / 0 / 7
Number of triggers (enabled/disabled/problem/ok)	56	56 / 0 (2 / 54)
Number of users (online)	2	1
Required server performance, new values per second	1.45	

The 'Host availability' widget shows the following data:

Available	Not available	Unknown	Total
1	0	0	1

The 'Problems by severity' widget shows the following data:

Disaster	High	Average	Warning	Information	Not classified
0	0	1	1	0	0

The 'Current problems' widget shows the following data:

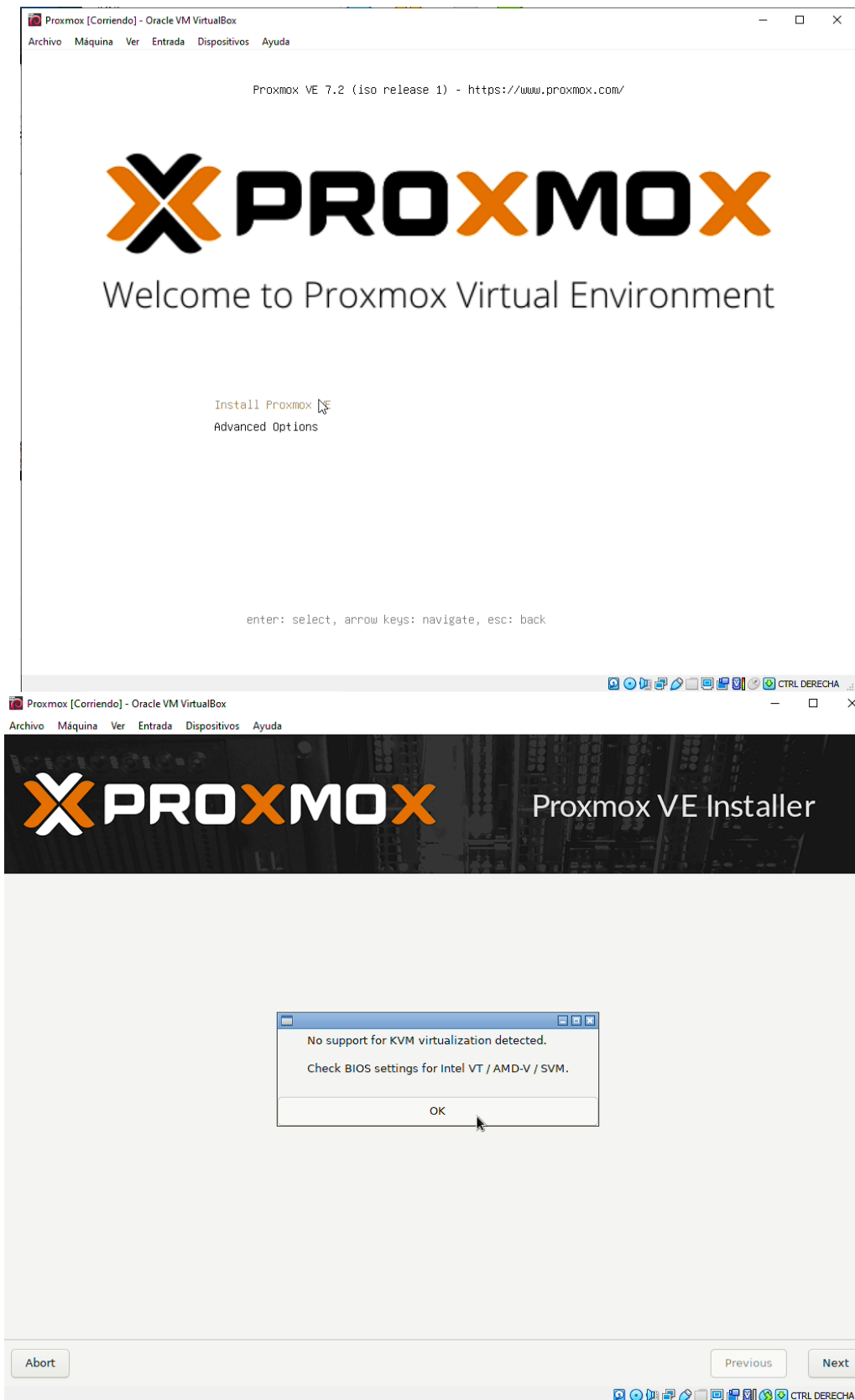
Time	Host	Problem - Severity	Duration	Ack	Actions	Tags
22.08.04	Zabbix server	High memory utilization (>90% for 5m)	2m 2s	No		class: os component: memory scope: capacity
22.08.09	Zabbix server	Zabbix server has been restarted (uptime < 10m)	2m 5s	No		class: os component: system scope: notice

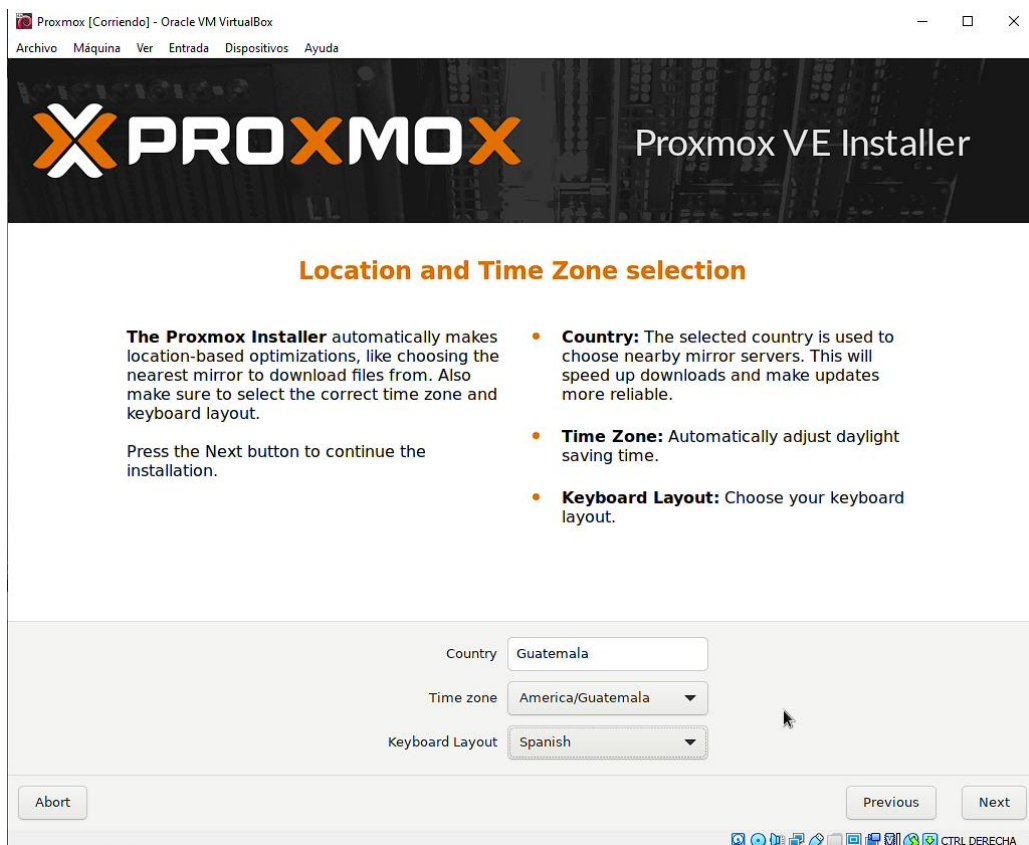
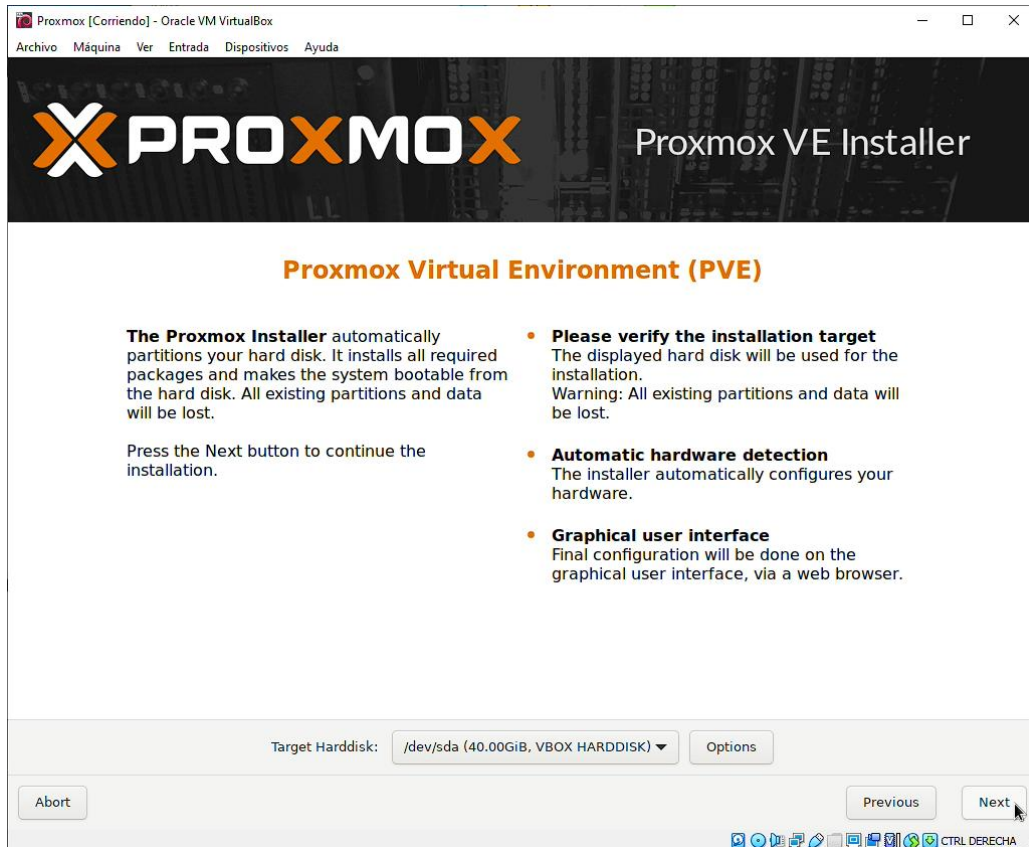
The 'Geomap' widget shows a map of the region around Riga, Latvia.

16:10
Guatemala

Zabbix server is not running: the information displayed may not be current.

INSTALACIÓN PROXMOX





Proxmox [Corriendo] - Oracle VM VirtualBox

Archivo Máquina Ver Entrada Dispositivos Ayuda

PROXMOX

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:

Abort Previous Next

CTRL DERECHA

Proxmox [Corriendo] - Oracle VM VirtualBox

Archivo Máquina Ver Entrada Dispositivos Ayuda

PROXMOX

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:

Hostname (FQDN):

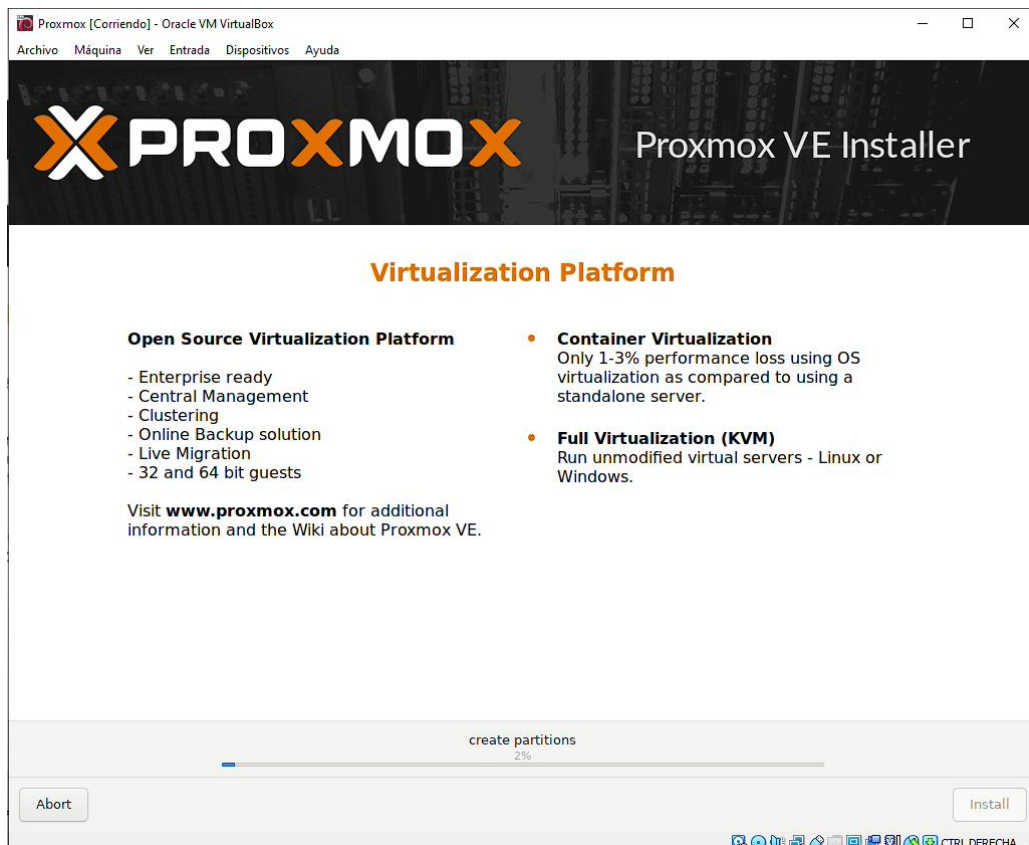
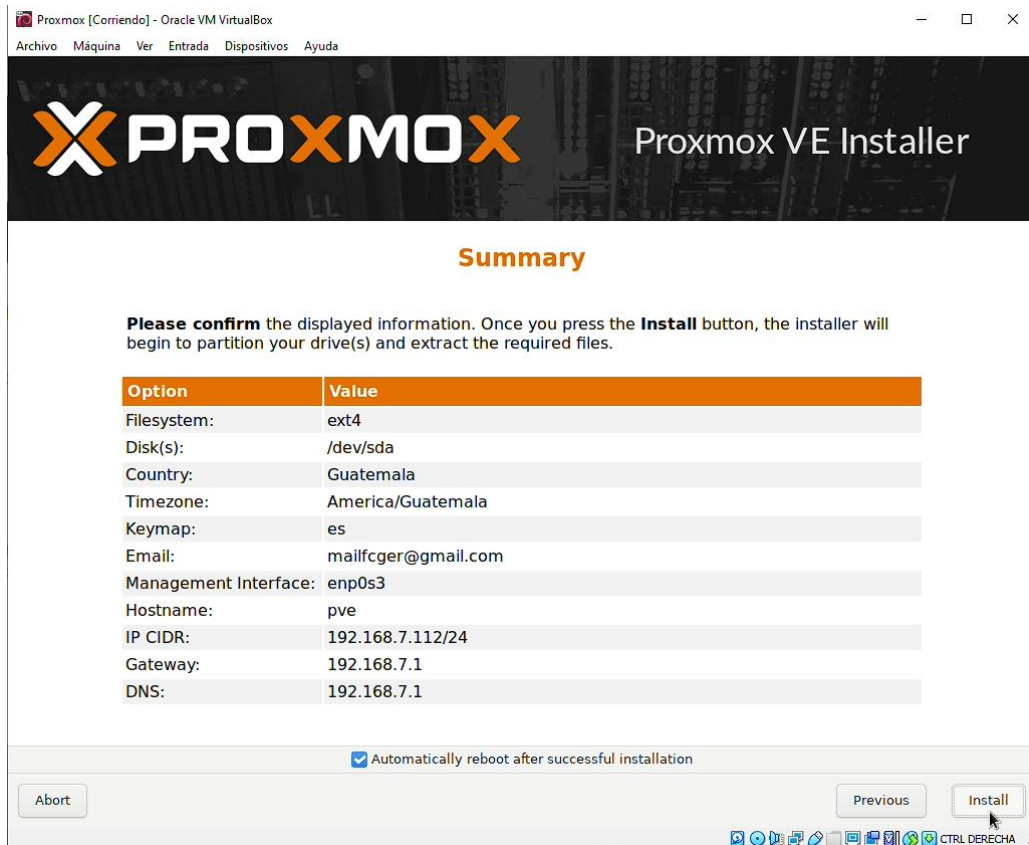
IP Address (CIDR): /

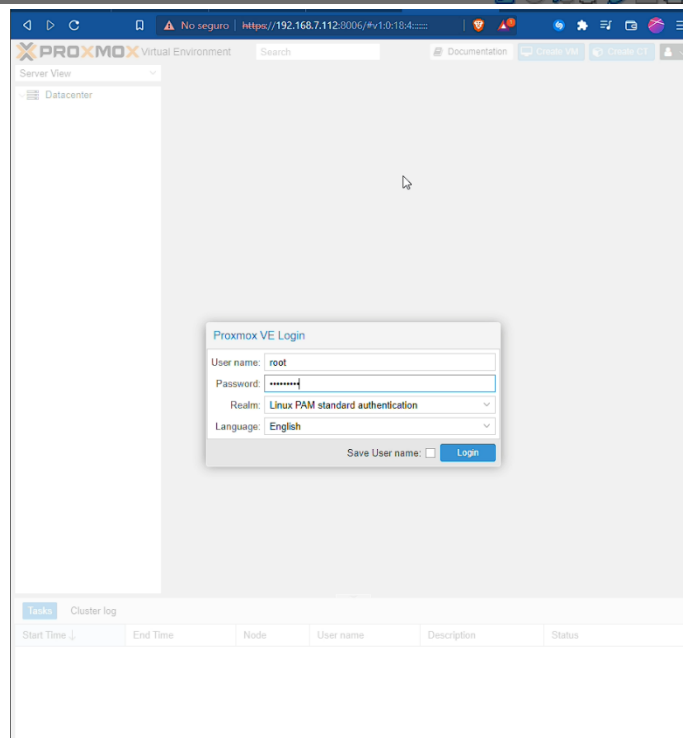
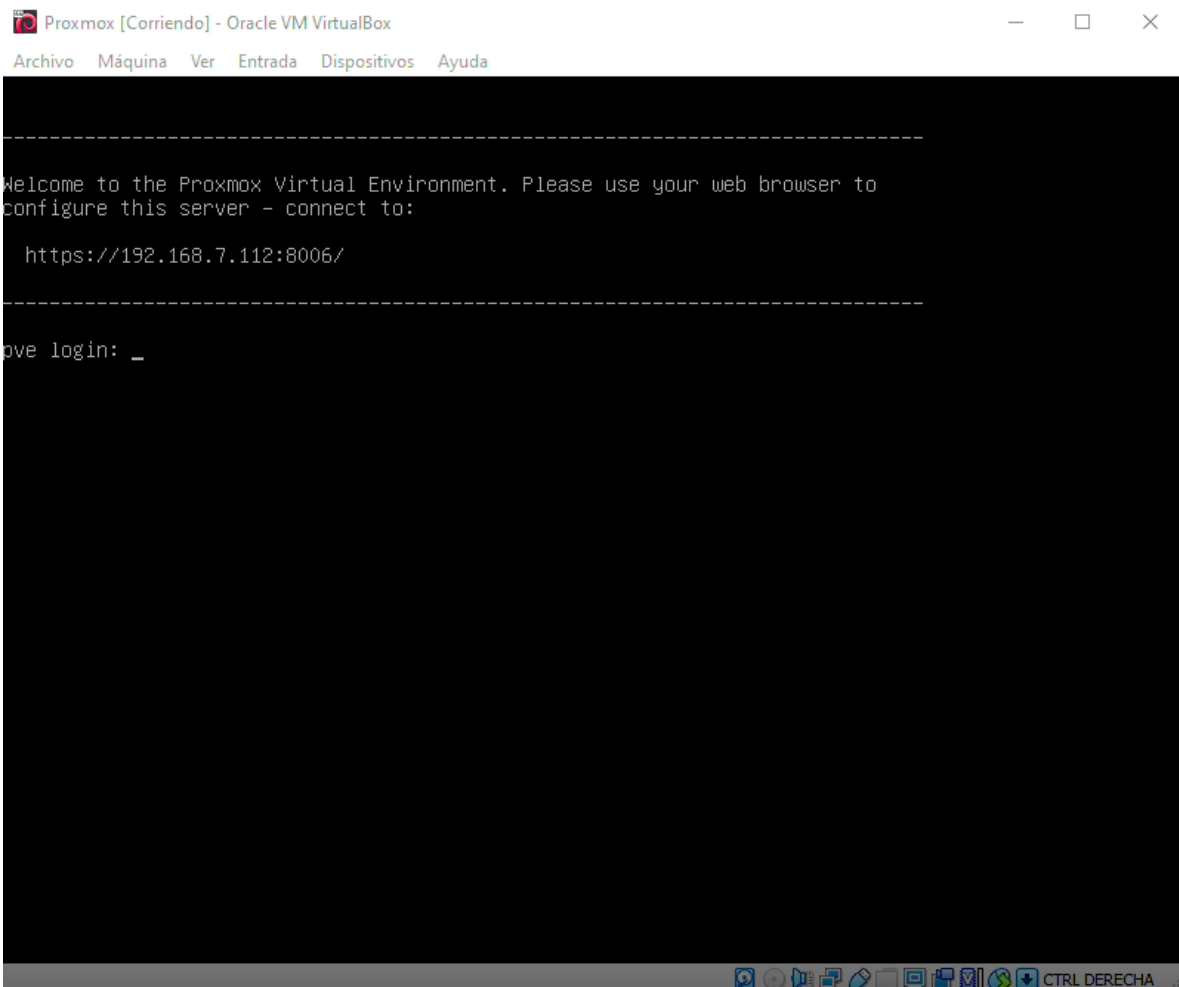
Gateway:

DNS Server:

Abort Previous Next

CTRL DERECHA





PROXMOX Virtual Environment 7.2-3

Server View

Datacenter

Search

Summary

Notes

Cluster

Ceph

Options

Storage

Backup

Replication

Permissions

Users

API Tokens

Two Factor

Groups

Pools

Roles

Realms

HA

ACME

Firewall

Metric Server

Support

Type	Description	Disk usage	Memory us...	CPU usage	Uptime	Host CPU	Host Mem
node	pve	26.1 %	14.3 %	1.0% of 1 ...	00:01:13		
storage	local (pve)	26.1 %					
storage	local-lvm (pve)	0.0 %					

No valid subscription

You do not have a valid subscription for this server. Please visit www.proxmox.com to get a list of available options.

OK

Tasks

Cluster log

Start Time	End Time	Node	User name	Description	Status
Sep 04 14:35:15	Sep 04 14:35:15	pve	root@pam	Start all VMs and Containers	OK

PROXMOX Virtual Environment 7.2-3

Server View

Datacenter

Search

Summary

Notes

Cluster

Ceph

Options

Storage

Backup

Replication

Permissions

Users

API Tokens

Two Factor

Groups

Pools

Roles

Realms

HA

ACME

Firewall

Metric Server

Support

Type	Description	Disk usage	Memory us...	CPU usage	Uptime	Host CPU	Host Mem
node	pve	26.4 %	14.3 %	1.6% of 1 ...	00:17:22		
storage	local (pve)	26.4 %					
storage	local-lvm (pve)	0.0 %					

Tasks

Cluster log

Start Time	End Time	Node	User name	Description	Status
Sep 04 15:09:38	Sep 04 15:09:38	pve	root@pam	Start all VMs and Containers	OK
Sep 04 15:04:13	Sep 04 15:04:13	pve	root@pam	Start all VMs and Containers	OK
Sep 04 15:00:40	Sep 04 15:00:40	pve	root@pam	Start all VMs and Containers	OK
Sep 04 14:35:15	Sep 04 14:35:15	pve	root@pam	Start all VMs and Containers	OK


```
Proxmox [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

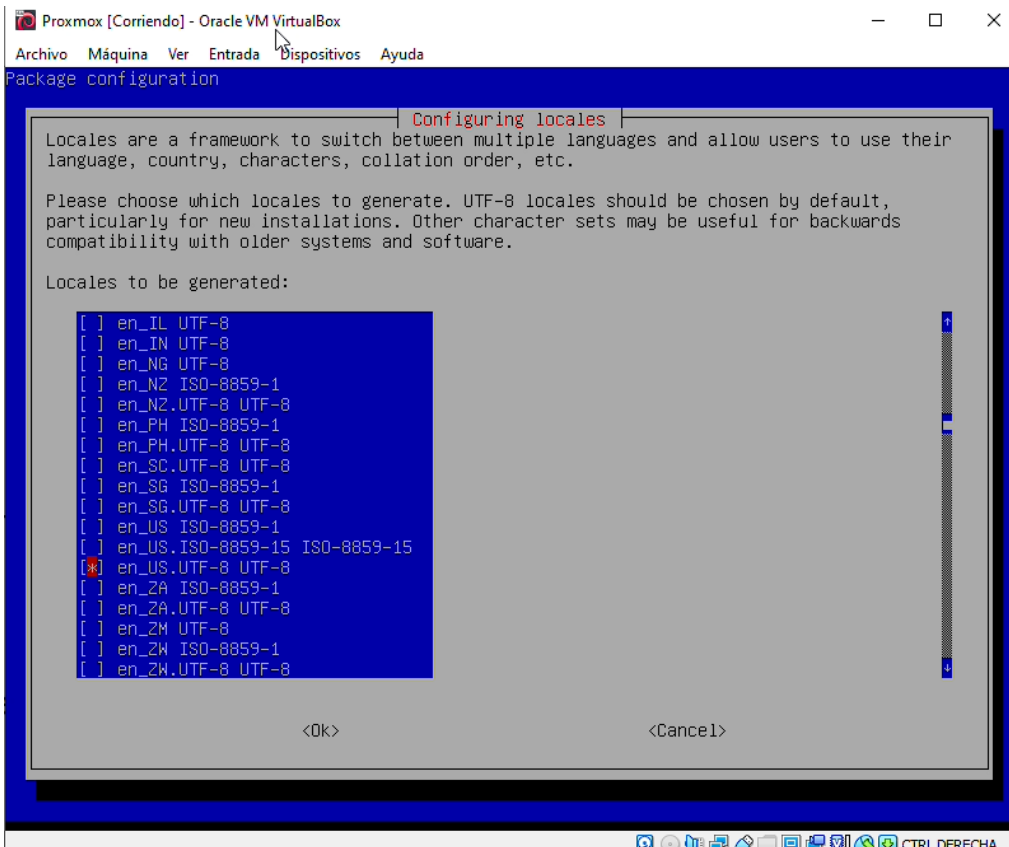
-----
Welcome to the Proxmox Virtual Environment. Please use your web browser to
configure this server - connect to:

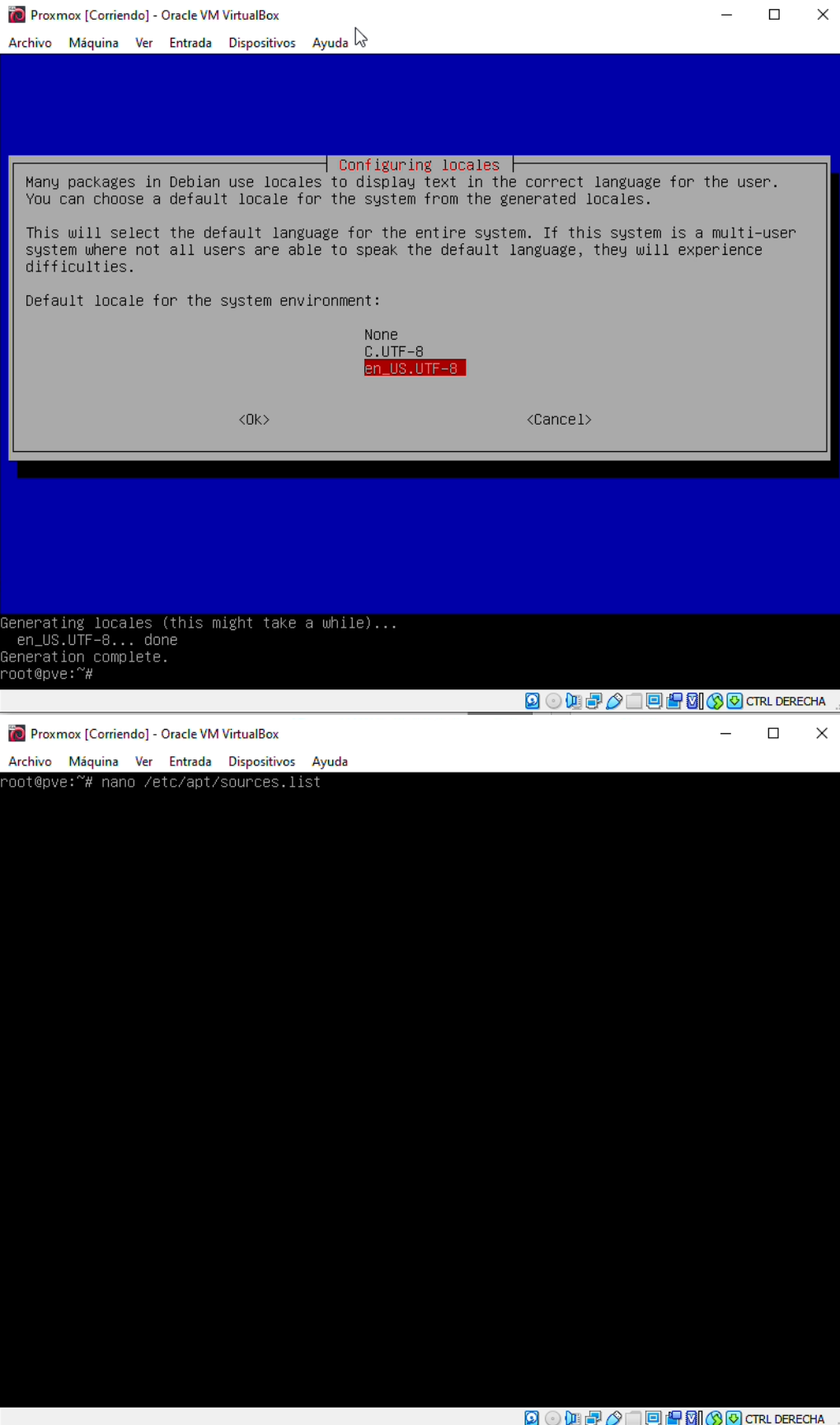
https://192.168.7.112:8006/
-----

pve login: root
Password:
Linux pve 5.15.30-2-pve #1 SMP PVE 5.15.30-3 (Fri, 22 Apr 2022 18:08:27 +0200) 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@pve:~# $ export LANGUAGE=en_US.UTF-8
-bash: $: command not found
root@pve:~# export LANGUAGE=en_US.UTF-8
root@pve:~# export LANG=en_US.UTF-8
root@pve:~# export LC_ALL=en_US.UTF-8
root@pve:~# locale-gen en_US.UTF-8
Generating locales (this might take a while)...
en_US.UTF-8... done
Generation complete.
root@pve:~# dpkg-reconfigure locales_
```





```
Proxmox [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 5.4 /etc/apt/sources.list
deb http://ftp.debian.org/debian stretch main contrib non-free

# PVE pve-no-subscription repository provided by Proxmox.com,
# NOT recommended for production use

deb http://download.Proxmox.com/debian/pve stretch pve-no-subscription

# security updates



deb http://security.debian.org stretch/updates main contrib non-free

[ Wrote 11 lines ]
Help  Write Out  Where Is  Cut  Execute  Location  M-U  Undo
Exit  Read File  Replace  Paste  Justify  Go To Line  M-E  Redo
CTRL DERECHA
```

```
Proxmox [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
root@pve:~# nano /etc/apt/sources.list.d/pve-enterprise.list
```

```
Proxmox [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 5.4 /etc/apt/sources.list.d/pve-enterprise.list
deb https://enterprise.Proxmox.com/debian/pve stretch pve-enterprise
```

INSTALACIÓN ZABBIX









 zabbix_appliance-6.2.2	29/08/2022 04:54 a. m.	Open Virtualizatio...	6 KB
 zabbix_appliance-6.2.2-disk001	29/08/2022 04:55 a. m.	Virtual Machine Di...	487,197 KB

? X


← Importar servicio virtualizado

Preferencias de servicio

Estas son las máquinas virtuales contenidas en el servicio y las preferencias sugeridas de las máquinas virtuales importadas de VirtualBox. Puede cambiar varias de las propiedades mostradas haciendo doble clic en los elementos y deshabilitar otras usando las casillas de verificación de abajo.

Sistema virtual 1	
 Nombre	zabbix_appliance-6.2.2
 Tipo de SO invitado	 Red Hat (64-bit)
 CPU	1
 RAM	1024 MB
 Tarjeta de sonido	<input checked="" type="checkbox"/> ICH AC97
 Adaptador de red	<input checked="" type="checkbox"/> Intel PRO/1000 MT Desktop (82540EM)
 Controlador de almacenamiento (SATA)	<input checked="" type="checkbox"/> AHCI

Carpeta base de máquina:  C:\Users\Frisly\VirtualBox VMs

Política de dirección MAC:  Incluir solo las direcciones NAT de adaptador de red

Opciones adicionales: ☒ Importar discos como VDI

Servicio virtualizado no firmado

Restaurar valores predeterminados

Importar

Cancelar

```
zabbix_appliance-6.2.2 [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

AlmaLinux 8.6 (Sky Tiger)
Kernel 4.18.0-372.19.1.el8_6.x86_64 on an x86_64

appliance login: appliance
Password:
Login incorrect

appliance login: appliance
Password:
Login incorrect

appliance login: root
Password:
*****

Zabbix frontend credentials:

Username: Admin
Password: zabbix

To learn about available professional services, including technical support and training, please visit https://www.zabbix.com/services

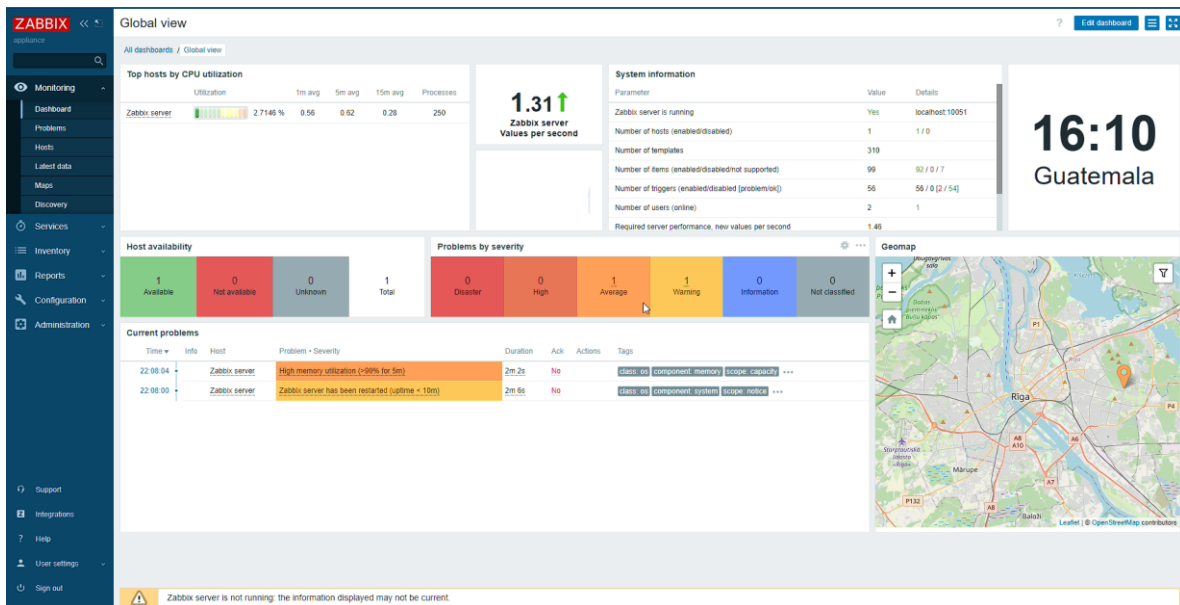
Official Zabbix documentation available at https://www.zabbix.com/documentation/current/

Note! Do not forget to change timezone PHP variable in /etc/php-fpm.d/zabbix.conf file.

*****
[root@appliance ~]#
```

```
zabbix_appliance-6.2.2 [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

[root@appliance ~]# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:00:27:a6:b2:86 brd ff:ff:ff:ff:ff:ff
    inet 192.168.7.113/24 brd 192.168.7.255 scope global dynamic eth0
        valid_lft 86291sec preferred_lft 86291sec
    inet6 fe80::a00:27ff:fea6:b286/64 scope link
        valid_lft forever preferred_lft forever
[root@appliance ~]#
```



2.1 Credentials (login:password)

System:

- root:zabbix

Zabbix frontend:

- Admin:zabbix

Database:

- root:<random>
- zabbix:<random>