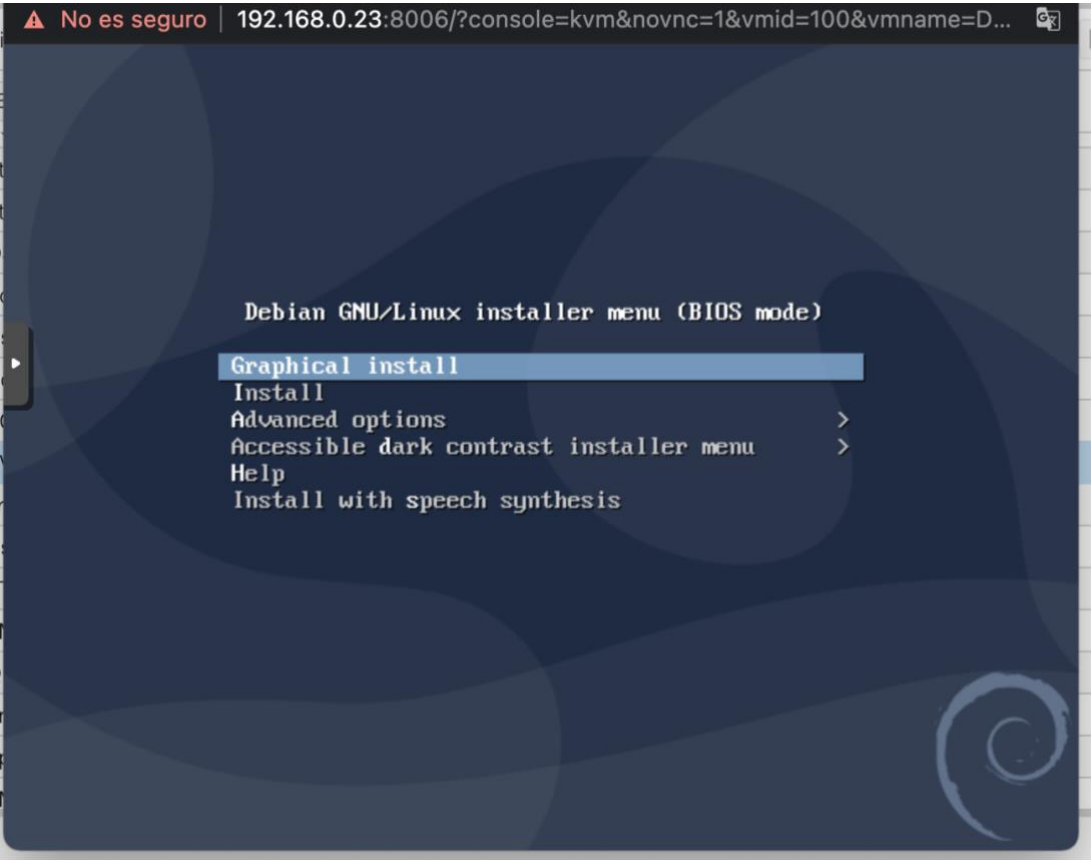
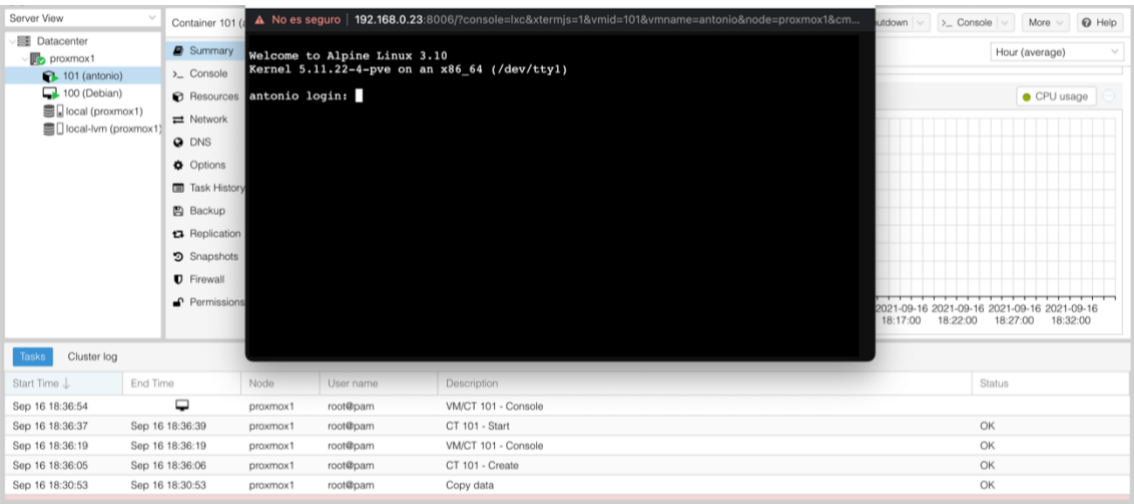


Practica N°1

INSTALAR DEBIAN MEDIANTE VM



CREACION DE TEMPLATE



CREACION DE CLUSTER

PROXMOXVirtual Environment 7.0-11

DocumentationCreate VMCreate C1root@pam

Server View

Datacenter

proxmox1

101 (antonio)

100 (Debian)

local (proxmox1)

local-lvm (proxmox1)

Search

Summary

Cluster

Ceph

Options

Storage

Backup

Replication

Permissions

Users

API Tokens

Cluster Information

Create ClusterJoin InformationJoin Cluster

Cluster Name: antonioConfig Version: 1Number of Nodes: 1

Cluster Nodes

Nodename	ID ↑	Votes	Link 0
proxmox1	1	1	192.168.0.23

TasksCluster log

Start Time ↓	End Time	Node	User name	Description	Status
Sep 16 18:39:01	Sep 16 18:39:04	proxmox1	root@pam	Create Cluster	OK
Sep 16 18:36:54	Sep 16 18:37:54	proxmox1	root@pam	VM/CT 101 - Console	OK

GESTION DE RECURSOS

Health

Status

Cluster: antonio, Quorate: Yes

Nodes

✓ Online	1
✗ Offline	0

Guests

Virtual Machines

● Running	1
● Stopped	0

LXC Container

● Running	1
● Stopped	0

Resources

CPU

3%

of 1 CPU(s)

Memory

28%

1.07 GiB of 3.84 GiB

Storage

11%

3.00 GiB of 28.37 GiB

Nodes

Name	ID	Online	Support	Server Address	CPU usage	Memory usage	Uptime
proxmox1	1	✓	-	192.168.0.23	3%	28%	00:23:12

CLUSTER

Task viewer: Join Cluster

OutputStatus

Stop

Establishing API connection with host '192.168.0.23'  
Login succeeded.  
check cluster join API version  
Request addition of this node  
Join request OK, finishing setup locally  
stopping pve-cluster service

PROXMOXEntorno virtual 7.0-11

Buscar

DocumentaciónCrear VMCrear CTroot @ pam

Server View

Centro de datos

proxmox1

101

100

proxmox2

local (proxmox2)

local-lvm (proxmox2)

Nodo 'proxmox1'

ReiniciarApagarCargarAcciones masivasAyudar

Buscar

Escribe ↑Descripción

Uso del dis...Uso de me...uso de CPU

Tiempo de a...Uso de la ...% De uso ...

lxcc101

qemu100

Buscar

Resumen

Notas

Cargar

Sistema

La red

Certificados

DNS

Hospedadores

Tiempo

Syslog

Actualizaciones

Repositorios

Tareas

Registro de clúster

Hora de inicio ↓	Hora de finalización	Nodo	Nombre de usuario	Descripción	Estado
Septiembre 30 18:1...		proxmox2	root @ pam	Iniciar todas las máquinas virtuales y contenedores	
Septiembre 28 20:4...	28 de septiembre 2...	proxmox2	root @ pam	Unirse al clúster	OK
28 de septiembre 2...	Septiembre 28 20:3...	proxmox2	root @ pam	Unirse al clúster	Error: 500 No se puede con...
Septiembre 28 20:3...	Septiembre 28 20:3...	proxmox2	root @ pam	Iniciar todas las máquinas virtuales y contenedores	OK

MIGRACION

Task viewer: CT 101 - Migrar (proxmox1 ---> proxmox2)

Salida

Estado

Parar

2021-09-23 17:40:51 shutdown CT 101

2021-09-23 17:40:55 starting migration of CT 101 to node 'proxmox2' (192.168.0.124)

2021-09-23 17:40:55 found local volume 'local-lvm:vm-101-disk-0' (in current VM config)

2021-09-23 17:40:56 WARNING: You have not turned on protection against thin pools running out of space.

2021-09-23 17:40:56 WARNING: Set activation/thin\_pool\_autoextend\_threshold below 100 to trigger automatic extension of thin pools before they get full.

2021-09-23 17:40:56 Logical volume "vm-101-disk-0" created.

2021-09-23 17:40:56 WARNING: Sum of all thin volume sizes (8.00 GiB) exceeds the size of thin pool pve/data and the amount of free space in volume group (<

2021-09-23 17:42:57 131072+0 records in

2021-09-23 17:42:57 131072+0 records out

2021-09-23 17:42:57 8589934592 bytes (8.6 GB, 8.0 GiB) copied, 121.523 s, 70.7 MB/s

2021-09-23 17:42:59 338+486023 records in

2021-09-23 17:42:59 338+486023 records out

2021-09-23 17:42:59 8589934592 bytes (8.6 GB, 8.0 GiB) copied, 112.764 s, 76.2 MB/s

2021-09-23 17:42:59 successfully imported 'local-lvm:vm-101-disk-0'

2021-09-23 17:42:59 # /usr/bin/ssh -e none -o 'BatchMode=yes' -o 'HostKeyAlias=proxmox2' root@192.168.0.124 pvesr set-state 101 '{"}'

Logical volume "vm-101-disk-0" successfully removed

2021-09-23 17:42:59 start final cleanup

2021-09-23 17:43:00 start container on target node

2021-09-23 17:43:00 # /usr/bin/ssh -e none -o 'BatchMode=yes' -o 'HostKeyAlias=proxmox2' root@192.168.0.124 pct start 101

2021-09-23 17:43:02 migration finished successfully (duration 00:02:11)

TASK OK

HA

Virtual Environment 7.0-11

Buscar

Centro de datos

ps (CLUSTER1)

bian)

roxmox1)

n (proxmox1)

ntOS)

roxmox2)

n (proxmox2)

Copia de seguridad

Replicación

Permisos

Usuarios

API Tokens

Grupos

Pools

Roles

Autenticación

HA

Grupos

Fencing

ACME

Cortafuego

Estado

Tipo	Estado
quorum	OK
master	proxmox1 (active, Thu Sep 23 17:53:18 2021)
lrm	proxmox1 (idle, Thu Sep 23 17:53:19 2021)
lrm	proxmox2 (detected time drift!, Thu Sep 23 18:12:33 2021)

Recursos

ID	Estado	Nodo	Nombre	Reiniciar M...	Max. Reloc...	Grupo
ct 101	started	proxmox2	CentOS	1	1	CLUSTER1

COPIA DE SEGURIDAD

Task viewer: VM/CT 101 - Copia de seguridad

Salida Estado

Parar

INFO: starting new backup job: v2dump 101 --compress zstd --storage local --node proxmox2 --remove 0 --mode snapshot

INFO: Starting Backup of VM 101 (lxc)

INFO: Backup started at 2021-09-23 18:16:22

INFO: status = running

INFO: CT Name: CentOS

INFO: including mount point rootfs (/) in backup

INFO: backup mode: snapshot

INFO: ionice priority: 7

INFO: create storage snapshot 'v2dump'

WARNING: You have not turned on protection against thin pools running out of space.

WARNING: Set activation/thin\_pool\_autoextend\_threshold below 100 to trigger automatic extension of thin pools before they get full.

Logical volume "snap\_vm-101-disk-0\_v2dump" created.

WARNING: Sum of all thin volume sizes (16.00 GiB) exceeds the size of thin pool pve/data and the amount of free space in volume group (<2.38 GiB).

INFO: creating v2dump archive '/var/lib/vz/dump/v2dump-lxc-101-2021\_09\_23-18\_16\_22.tar.zst'

INFO: Total bytes written: 595712000 (569MiB, 59MiB/s)

INFO: archive file size: 182MB

INFO: cleanup temporary 'v2dump' snapshot

Logical volume "snap\_vm-101-disk-0\_v2dump" successfully removed

INFO: Finished Backup of VM 101 (00:00:10)

INFO: Backup finished at 2021-09-23 18:16:32

INFO: Backup job finished successfully

TASK OK

REPLICACIÓN

al Environment 7.0-11

Maquina Virtual 103 (debian3) en el nodo proxmox1 ▶ Iniciar

Resumen

Consola

Hardware

Cloud-Init

Opciones

Historial de Tareas

Monitor

Copia de seguridad

Replicación

Snapshots

Cortafuego

Permisos

Agregar Editar Eliminar Registro Programar ahora

Activado	Guest	Tarea	Destino	Estado ↓
<input checked="" type="checkbox"/>	103	0	proxmox2	✔ Aceptar

nal	Nodo	Nombre de Usuario	Descripción
	proxmox1	root@pam	Shell
18:54:07	proxmox1	root@pam	VM 103 - Crear