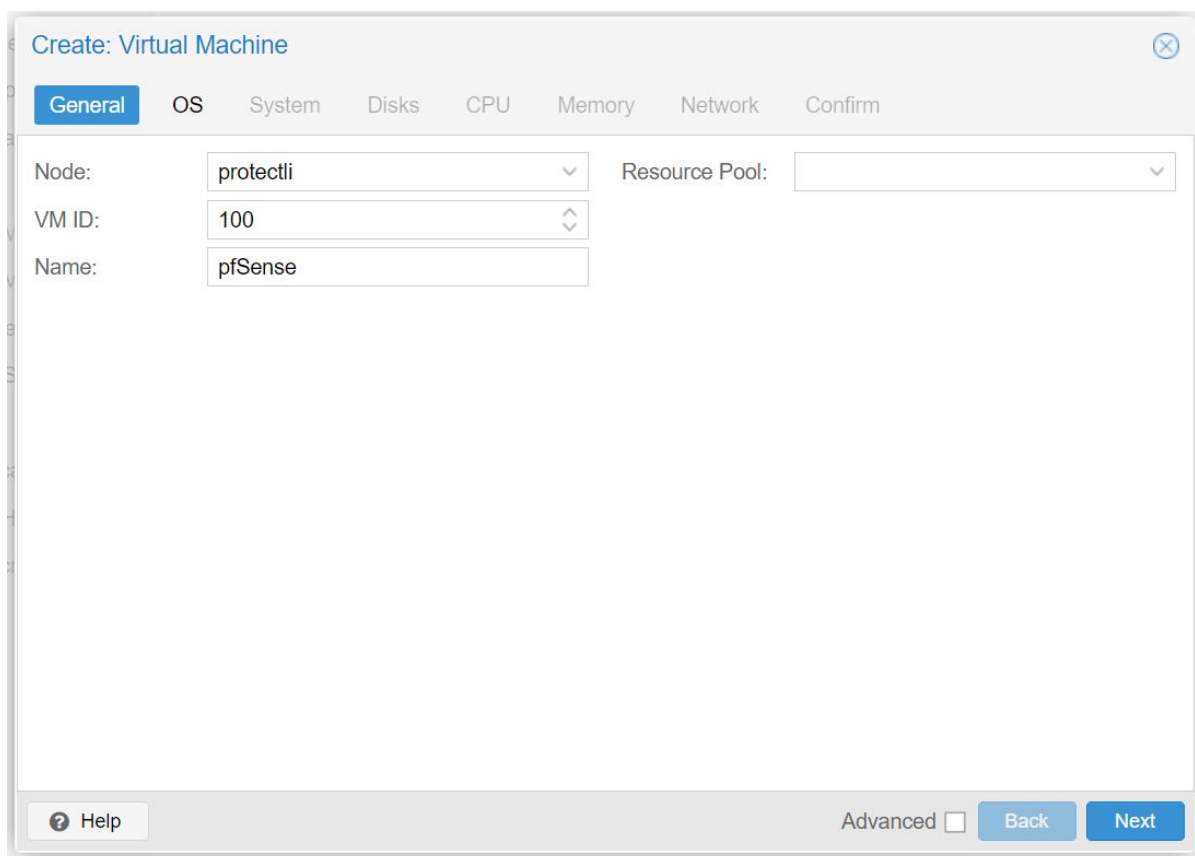


# Creación de la máquina virtual

En la pestaña General:

- Elige un número de ID de máquina virtual e ingresa un nombre para la máquina virtual.



The screenshot shows the 'Create: Virtual Machine' dialog box with the 'General' tab active. The 'Node' dropdown is set to 'protectli', the 'VM ID' is '100', and the 'Name' is 'pfSense'. The 'Resource Pool' dropdown is empty. At the bottom, there is a 'Help' button, an 'Advanced' checkbox, and 'Back' and 'Next' buttons.

Field	Value
Node	protectli
VM ID	100
Name	pfSense
Resource Pool	

Continuando con la pestaña de Sistema Operativo:

- Seleccionaremos el almacenamiento local y la ISO de pfSense que hayamos cargado en la carpeta de ISOs de proxmox.

Create: Virtual Machine

General **OS** System Disks CPU Memory Network Confirm

☒ Use CD/DVD disc image file (iso)

Storage: local Type: Other

ISO image: pfSense-CE-2.6.0-RELEASE-amd64 Version: -

☐ Use physical CD/DVD Drive

☐ Do not use any media

Advanced ☐ Back Next

En la pestaña de System:

- Para tarjeta gráfica: selecciona **Predeterminado**
- Para máquina: selecciona **i440fx**
  - Si pretendes utilizar PCI Passthrough, selecciona **q35**
- Para controlador SCSI: seleccione **VirtIO SCSI**

Create: Virtual Machine

General OS **System** Disks CPU Memory Network Confirm

Graphic card: Default SCSI Controller: VirtIO SCSI

Machine: Default (i440fx) Qemu Agent: ☐

Firmware

BIOS: Default (SeaBIOS) Add TPM: ☐

? Help Advanced ☐ Back Next

En la pestaña de Disks:

- Para Bus/Dispositivo: seleccione **Bloque VirtIO**
- Para el tamaño del disco (GiB): elija **al menos 8 GB**. En este ejemplo seleccionamos **32 GB**.

Create: Virtual Machine

General OS System **Disks** CPU Memory Network Confirm

virtio0

**Disk** Bandwidth

Bus/Device: VirtIO Block 0 Cache: Default (No cache)

Storage: local-lvm Discard: ☐

Disk size (GiB): 32

Format: Raw disk image (raw)

Add

Advanced ☐ **Back** **Next**

En la pestaña de CPU:

Esta pestaña ya es más de las necesidades de cada uno con su hardware y su uso que le dará a pfSense, la recomendación personal sería la siguiente;

- Sockets: 1
- Cores: 4

Create: Virtual Machine

General OS System Disks CPU Memory Network Confirm

Sockets: 1 Type: host

Cores: 4 Total cores: 4

Help Advanced ☐ Back Next

En la pestaña de Memory

Seguimos con las mismas indicaciones que CPU, esto es lo recomendable para no tener ningun cuello de botella en una red pequeña;

- Memory (MiB): 4096

Create: Virtual Machine

General OS System Disks CPU **Memory** Network Confirm

Memory (MiB): 4096

Help Advanced ☐ Back Next

En la pestaña de Network:

- Para Bridge: selecciona **vmbr1** (la WAN → Linux Bridge)
- Para Modelo: selecciona **VirtIO (paravirtualizado)**

Create: Virtual Machine

General OS System Disks CPU Memory **Network** Confirm

☐ No network device

Bridge: vmbr1 Model: VirtIO (paravirtualized)

VLAN Tag: no VLAN MAC address: auto

Firewall: ☒

Help Advanced ☐ Back Next

Este Wizard de como crear la máquina virtual ya estaría completado, pero aún falta añadir nuestra interfaz de LAN que hemos creado con el bridge anteriormente.

Para ello iremos a la máquina de pfSense → Hardware → Add → Network Device

The screenshot shows the Proxmox Virtual Environment 7.1-7 interface. In the left sidebar, the 'Server View' is active, showing a tree structure with 'Datacenter' > 'protectli' > '100 (pfSense)'. A red arrow points to '100 (pfSense)'. The main panel displays the configuration for 'Virtual Machine 100 (pfSense) on node 'protectli''. The 'Hardware' tab is selected, showing a list of components: Memory (4.00 GiB), Processors (1 (1 sockets, 1 cores) [host]), BIOS (Default (SeaBIOS)), Display (SPICE (qxl)), Machine (Default (i440fx)), SCSI Controller (VirtIO SCSI), CD/DVD Drive (ide2) (local:iso/pfSense-CE-2.6.0-RELEASE-amd64.iso,media=cdrom), Hard Disk (virtio0) (local-lvm:vm-100-disk-0,size=32G), and Network Device (net0) (virtio=6A:7F:5A:7A:06:BC,bridge=vbr0,firewall=1). A red arrow points to the 'Add' button above the list. Below the main panel, the 'Add: Network Device' dialog is open. It contains the following fields: Bridge (vibr2), Model (VirtIO (paravirtualized)), VLAN Tag (no VLAN), MAC address (auto), and Firewall (checked). At the bottom of the dialog are buttons for 'Help', 'Advanced' (unchecked), and 'Add'. Below the dialog is a large empty rectangular box.

PROXMOX Virtual Environment 7.1-7

Server View

Datacenter

protectli

100 (pfSense)

Virtual Machine 100 (pfSense) on node 'protectli'

Start Shutdown Console More Help

Summary

Hardware

Cloud-Init

Options

Task History

Monitor

Backup

Replication

Snapshots

Firewall

Permissions

Add Remove Edit Resize disk Move disk Revert

Memory 4.00 GiB

Processors 1 (1 sockets, 1 cores) [host]

BIOS Default (SeaBIOS)

Display SPICE (qxl)

Machine Default (i440fx)

SCSI Controller VirtIO SCSI

CD/DVD Drive (ide2) local:iso/pfSense-CE-2.6.0-RELEASE-amd64.iso,media=cdrom

Hard Disk (virtio0) local-lvm:vm-100-disk-0,size=32G

Network Device (net0) virtio=6A:7F:5A:7A:06:BC,bridge=vbr0,firewall=1

Add: Network Device

Bridge: vibr2

Model: VirtIO (paravirtualized)

VLAN Tag: no VLAN

MAC address: auto

Firewall: ☒

Help Advanced ☐ Add

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