MR.PLANB FIELD GUIDE · PROXMOX VE

What Proxmox VE Is Used For: One-Page Primer

What the platform is, what it runs, and who uses it.

Updated **2026-10-29** · Full guide: www.mrplanb.com/what-is/proxmox-used-for

> Proxmox Virtual Environment (VE) is an open-source platform for running and managing virtual infrastructure on physical servers. It runs full virtual machines and Linux containers (LXC) from one web interface. Teams use it to consolidate hardware, isolate workloads and use resources efficiently, from a single home server to multi-node enterprise environments.

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workload types: VMs and LXC containers

1
web interface to manage them

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built-in features: clustering, backups, firewall, storage integrations

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common uses: self-hosting, lab testing, internal apps, production

What Proxmox VE is

- An open-source platform for virtual infrastructure on physical servers.
- Runs full virtual machines (VMs) and Linux containers (LXC).
- Managed from one web interface.
- Scales from a single home server to multi-node enterprise environments.

What it includes

Clustering
Built in, for multi-node setups.

Backups
Built-in backup support.

Firewall
Built-in firewall controls.

Storage integrations
Includes integrations such as Ceph.

Why teams use it

- [ ] Consolidate hardware onto fewer servers.
- [ ] Keep workloads isolated from each other.
- [ ] Use resources more efficiently.
- [ ] Get flexibility without high license costs.

VM or container

	Virtual machine	LXC container
What it is	Full virtual machine	Linux container
Managed from	Proxmox web interface	Proxmox web interface
Typical use	Isolated workloads and other operating systems	Lightweight Linux services

Common uses

- Self-hosting.
- Lab testing.
- Internal business apps.
- Production virtualization.

Sources and notes: Proxmox VE project · Mr.PlanB Proxmox hub and install guide