MR.PLANB FIELD GUIDE · PROXMOX VE

Proxmox VE 9.2 Install: Step-by-Step Field Guide

From ISO download to first web UI login, with the 9.2 changes and warnings that matter.

Updated **2026-10-29** · Full guide: www.mrplanb.com/proxmox/install

> Proxmox VE 9.2 was released on 21 May 2026 and installs on bare metal in about 30 minutes: download the ISO, flash a USB drive, run the installer, set a proper FQDN and static network, then fix repositories and update after first login. Check the kernel warning for megaraid_sas and NVMe JBOD setups before you start.

9.2	~30 min	1.71 GB	5
Proxmox VE version, released 21 May 2026	for a clean bare-metal install	size of proxmox-ve_9.2-1.iso	install steps from ISO to post-install setup

Install steps

1. Download `proxmox-ve_9.2-1.iso` (1.71 GB) and verify it with `sha256sum proxmox-ve_9.2-1.iso` against the download page.
2. Flash an 8GB+ USB drive with Balena Etcher, Rufus (GPT, DD mode) or dd.
3. Boot the USB, pick the graphical or Terminal UI installer, choose disk and filesystem, set country, time zone, keyboard and a strong root password.
4. Set an FQDN hostname such as `pve.home.arpa` (avoid .local), a static IP, gateway and DNS.
5. Open `https://your-ip:8006`, log in as root with the Linux PAM realm, fix repositories, then run `apt update && apt dist-upgrade`.

System requirements

Part	Minimum (testing)	Recommended
CPU	64-bit Intel or AMD with VT or AMD-V (or Armv9-A)	Same, more cores for VMs
Memory	1 GB	2 GB host plus guests, about 1 GB per TB of ZFS or Ceph
Storage	One disk	Fast, redundant SSDs; no hardware RAID under ZFS or Ceph
Network	One NIC	Redundant 1 Gbit or faster ports

Pre-install checklist

- [ ] Server does not use a megaraid_sas RAID controller or NVMe JBOD; otherwise install from the 9.1 ISO and upgrade.
- [ ] ISO checksum matches the download page.
- [ ] USB drive is 8GB or larger, GPT and DD mode in Rufus.
- [ ] Hostname is a proper FQDN, not .local.

- [ ] Static IP, gateway and DNS are decided.
- [ ] Filesystem chosen: ext4 with LVM (default), xfs, ZFS or Btrfs (technology preview).

What changed in 9.2

Base stack
Debian 13.5 Trixie, Linux kernel 7.0, QEMU 11, LXC 7, ZFS 2.4, Ceph Tentacle 20.2.

Pinned NIC names
The installer pins interface names so a NIC keeps its name after a kernel update.

deb822 repositories
Repos are .sources files now, so older guides that edit pve-enterprise.list no longer match.

Automated installer
Can boot over PXE and read a subscription key from its answer file.

Arm64 ISO
First official arm64 ISO published on 5 August 2026.

Automated installs and upgrades

- Fleet installs: `apt install proxmox-auto-install-assistant xorriso`, then `proxmox-auto-install-assistant validate-answer answer.toml`.
- Build the ISO with `proxmox-auto-install-assistant prepare-iso proxmox-ve_9.2-1.iso --fetch-from iso --answer-file answer.toml`.
- The answer file can also come from a USB partition labelled proxmox-ais or an HTTP server; 9.2 adds `--pxe`.
- From Proxmox VE 8: update to the latest 8.4, run `pve8to9 --full`, switch repositories to Trixie and upgrade in place.
- Proxmox VE 8 reached the end of support in August 2026.

Sources and notes: Proxmox VE system requirements page · Proxmox VE 9.2 downloads and release notes as summarized on the page