pve.proxmox.com /wiki/Main_Page

Proxmox VE

4-5 minutes

Three node cluster status

Today, 20 October 2024, there are 246 articles available.

Proxmox Virtual Environment is an open source server virtualization management solution based on QEMU/KVM and LXC. You can manage virtual machines, containers, highly available clusters, storage and networks with an integrated, easy-to-use web interface or via CLI. Proxmox VE code is licensed under the GNU Affero General Public License, version 3. The project is developed and maintained by Proxmox Server Solutions GmbH.

For an overview of the Proxmox VE key features see the Proxmox website.

Downloads

Download our latest ISO image.

Alternate download: https://enterprise.proxmox.com/iso

Installation

You can install Proxmox VE either on your hardware from USB or CD-ROM using our ISO image, or alternatively on top of an existing Debian installation.

Read more

Upgrading Proxmox VE

System Software Updates are downloaded from the Package Repositories and should be applied frequently to receive the most recent bug/security fixes and to obtain the newest features.

You can also upgrade existing Proxmox VE installations to the next major release:

- Upgrade from Proxmox VE 7 to 8
- Upgrade Guides for older Releases

See the supported release table for the current release and the end of life date of older releases.

Migrate to Proxmox VE

For an overview about how to migrate to Proxmox VE see Migrate to Proxmox VE.

Using Proxmox VE

This wiki includes the complete Proxmox VE Reference Documentation

If you are new to Proxmox VE the following chapters will help you to start:

- QEMU/KVM Virtual Machines and Linux Container are the two types of virtualization technologies supported by Proxmox VE
- Host System Administration will detail all the tasks commonly done on the Proxmox VE host such as setting Package Repositories, Network Configuration, System Software Updates, Host Bootloader, External Metric Server, Disk Health Monitoring, Logical Volume Manager (LVM), ZFS on Linux
- Cluster Manager will explain to you how to connect your Proxmox VE hosts in clusters
- You can configure High Availability for your virtual machines and containers once you have setup a cluster
- Storage will give you an overview of all the supported storage technologies in Proxmox VE: Ceph RBD, ZFS, User Mode iSCSI, iSCSI, ZFS over iSCSI, LVM, LVM thin, GlusterFS, NFS and Proxmox Backup Server
- Setup a hyper-converged infrastructure deploying a Ceph Cluster.
- Backup and Restore will explain how to use the integrated backup manager
- Firewall details how the built-in Proxmox VE Firewall works
- User Management explains how the authentication and permissions work in Proxmox VE
- finally, the Developer Documentation will show you how to get access to the source code, and how to send patches, so your work will be included in the next Proxmox VE release

Offline Documentation

The complete **Proxmox VE Reference Documentation** is also available offline in different formats such as html, pdf or epub.

This documentation is also included in each PVE installation, and is accessible via contextual help buttons.

HOWTOs & Troubleshooting

Release History and Roadmap

Take a look on the Roadmap for existing and upcoming features.

Videos

Browse videos about Proxmox Virtual Environment on our website: https://www.proxmox.com/en/services/videos/proxmox-virtual-environment.

Testimonials

Companies regardless their size, sector, or industry, as well as universities, public institutions and non-profits use Proxmox VE in their production environment. Take a look on our testimonials page.