

Proxmox VE – Security

Course code: PVSEC

This course introduces participants to Proxmox VE, Proxmox Datacenter Manager, and security configuration in a virtualized environment. It covers securing the virtual infrastructure, virtual machines, and networking. The course is intended for security administrators and Proxmox virtualization administrators responsible for protecting the environment against security threats and conducting security audits.

Who is the course for

- System administrators and IT specialists who already have experience with basic Proxmox VE administration
- Security administrators responsible for system security and auditing

What we teach you

- Understand the fundamental principles of system security
- Configure and maintain a secure Proxmox VE environment
- Perform backup and recovery of Proxmox VE node configuration

Course outline

- Security fundamentals and architecture in Proxmox VE
- Network segmentation for management, production, and cluster traffic
- Advanced user management – Realms, Two-Factor Authentication (2FA), and API Tokens
- Creating and managing roles
- Configuring permissions for resources and objects
- Certificates and ACME integration
- Encryption – data in transit, replication, and backups
- Firewall configuration and management
- Updating Proxmox VE nodes and Proxmox Datacenter Manager
- Backing up virtual machines and Proxmox VE node configuration
- System logging and security auditing

GOPAS Praha

Na Strži 2097/63
140 00 Praha 4 - Krč
Tel.: +420 226 201 390
info@gopas.cz

GOPAS Brno

Nové sady 996/25
602 00 Brno
Tel.: +420 530 513 590
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 902 903 132
info@gopas.sk



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