

Module 1: Deployment and Management

1. Understanding the architecture of Proxmox VE with a focus on a single server deployment.
2. Installing and setting up Proxmox VE: system requirements, installation, updates, and network configuration.
3. Exploring the management interfaces (web GUI, CLI).
4. Configuring and managing networks in Proxmox VE: Bridging and bonding network interfaces, VLANs, software-defined networking.
5. Storage management: Storage options in Proxmox VE with a focus on single server deployments.
6. Virtual guest management: Creating, managing, and understanding the various options and possibilities for VMs and Linux OS containers (LXC).
7. Migration to Proxmox VE from other hypervisors (V2V) and bare-metal machines (P2V) and recommended post-migration steps.
8. Backup and restore strategies: Backing up guests with the out-of-the-box backup functionality, exploring the integration with the Proxmox Backup Server, retention management, and restore possibilities.
9. Authentication and Permissions: Users, groups, authentication realms, and permission schemes.
10. Integrated firewall.
11. Troubleshooting common issues.