

Mircea-Pavel Anton

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DevOps Experience

HOME LAB – AUTOMATED NETWORKING DEPLOYMENT

Wrote automation tasks in tools such as Packer, Terraform, and Ansible to speed up the deployment and configuration of my home lab network based on a virtualized OPNsense firewall and Cisco switches.

- Automated the configuration on Cisco Switches and OPNsense firewall via Ansible
- Automated the creation of a virtual machine template via Packer
- Deployed and customized the VM template via Terraform
- Bundled all the previous steps together in a Jenkins pipeline

HOME LAB – AUTOMATED CONFIGURATION OF DEBIAN-BASED HYPERVISORS

Created Ansible Playbooks and Roles to manage and configure the Debian-based Proxmox Hypervisor.

- Automated networking configuration and hostnames
- Customized kernel command line parameters, bootloader configuration, and loaded modules to enable VFIO, PCIe-passthrough, and GVT-g
- Configured the CPU power profile to boost performance
- Hardened the system by automating firewall configurations, setting key-based authentication, and changing default ports on common services

HOME LAB – AUTOMATED KUBERNETES DEPLOYMENT

Created Ansible Playbooks to automate the deployment of a K3S-based Kubernetes Cluster on ARM-based systems.

- Created a dedicated Ansible Role for Kubernetes manager and worker nodes
- Wrote Ansible Roles to automatically deploy Rancher and Longhorn via Helm
- Automated the deployment of a MetalLB-based load balancer
- Tied everything together in a single Ansible Playbook

Professional Experience

THALES

July 2021 - Present

DevOps Engineer

Worked on developing and maintaining a Kubernetes-based CI/CD platform including tools such as GitLab, Jenkins, Artifactory, Keycloak, SonarQube, Dependency Track, Nexus, DefectDojo, and midPoint

- Managed, improved, and created Jenkins pipelines to automate testing and deployments
- Created Ansible Playbooks to automate configurations and deployments of services
- Used Terraform to provision development Kubernetes clusters in AWS
- Improved security by implementing IAM via midPoint

UNIVERSITY OF AUTOMATIC CONTROL AND COMPUTER SCIENCE Oct 2020 – Jun 2021

Undergraduate Teaching Assistant

Lab assistant for the “Signals and Systems” (1st semester) and “Theory of Control Systems” (2nd semester).

- Developed software in Python to automate the grading of student assignments
- Set up CI/CD pipelines in GitLab to ensure the quality of said software
- Taught introductory labs

Certifications

Linux Foundation Certified System Administrator (LFCS) (Oct 2022 – Oct 2025)

Certified Kubernetes Administrator (CKA) (Dec 2022 – Dec 2025)

Certified Kubernetes Application Developer (CKAD) (Dec 2022 – Dec 2025)

Certified Kubernetes Security Specialist (CKS) (Dec 2022 – Dec 2024)

Education

UNIVERSITY OF ENTREPRENEURSHIP, BUSINESS ENGINEERING AND MANAGEMENT

MSc in Digital Management

UNIVERSITY OF AUTOMATIC CONTROL AND COMPUTER SCIENCE

BSc in Systems Engineering