

training code: ELA030 / ENG DL 5d / EN

Enterprise Linux Administration Fast Track

It's a five day, intensive author's training which teaches the necessary skills to work in command line environment and do basic system administration. The training might also be used as a preparation for a **RHCSA certification exam** for system administrators by **Red Hat (EX200)**.

The training is based on new versions of **CentOS Linux distributions**, and the whole knowledge passed on the **training** might also be used on other **Linux distributions** used in corporate environments.



Purpose of the training

The **training** is intended for operational system **administrators** who have some knowledge and experience with **Linux** systems. The training might also be used for refreshing the knowledge and to prepare for certification exam for **Linux system administrators**.



Benefits of completing the training

- The training allows the participant to quickly acquire skills necessary to work independently in command line environment in **Linux/Unix** systems
- The participants get practical skills for administering network, block devices and basic system services
- The participant is both familiarized with **configuration** and **diagnostics**, as well as solving problems with server configuration, acquires skills necessary at independent work
- The course is a quick preparation for **RHCSA certification exam**



Expected Listener Preparation

At least half a year of working in **Linux system**. Basic skills of navigating through **command line**.



Training Language

- Training: English
- Materials: English



Training Includes

- lab environment (112h within 14 days)



Duration

5 days / 35 hours

Training agenda

1. Use different command line interfaces
2. Generic **commands** for file-system **administration**
3. Using man pages and build-in documentation
4. **Unix tools** for working with text files
5. **Working in VIM** basics
6. Bash output redirection and exit codes
7. Changing permission and ownership of files
8. How to use "find" **utility** (including actions)
9. **Unix process administration**
10. **RPM** packages administration with **RPM** and **YUM**
11. Package modules in EL
12. SELinux basics

13. Systemd services administration
14. Systemd targets
15. Boot process and **boot troubleshoot**
16. Local users and groups administration
17. **Rsyslog** daemon administration
18. **Cron** daemon administration
19. Use Libvirt and Cockpit with KVM
20. Manual and **kickstart installations**
21. Review LAB
22. Network diagnostics
23. **Network administration** with **Network Manager**
24. **Network** administration without Network Manager
25. **Filesystem** objects and hierarchy
26. Advanced Permissions – special bits
27. Access Control Lists on filesystem
28. Block devices administration
29. **Linux LVM**
30. **Linux Software RAID**
31. Local storage management with Stratis
32. **Open LDAP** integration
33. Free **IPA integration**
34. Mounting **NFS 3** and **NFS 4** shares
35. Mounting **CIFS** shares
36. Automounter
37. NTP
38. **SSH**
39. Coping files with scp and rsync
40. Basic **firewall** operations
41. Basic containers concepts and tools in EL
42. Review LAB