

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 and 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