

training code: ELA010 / ENG DL 5d / EN

Enterprise Linux Administration I

This is a practical author's **training**, providing participants with **skills and knowledge** related to basic operations in **UNIX** environment. The agenda include working in command line environment, file and software management, as well as system installation. Combined with [Enterprise Linux Administration II \(ELA020\)](#) training, it provides skills necessary in **basic system administration**.

The training is based on the current **CentOS Linux distribution** versions, and the whole knowledge provided by this class might also be also used for administering other **Linux distributions**.

Enterprise Linux Administration I (ELA010) and Enterprise Linux Administration II (ELA020) trainings might also be used as a preparation for **RHCSA** certification exam, authorised by **Red Hat**.



Purpose of the training

The **training** is intended for operating system and applications administrators, as well as the remaining technical staff who would like to study the basics of **Linux administration** or refresh and consolidate knowledge already possessed. This course is the first step to get skills necessary at work as a Linux operational system **administrator**.



Benefits of completing the training

- An ability to work independently in **command line** environment in Linux/Unix systems using basic tools built in the operational system
- Experience in performing **basic administration** activities, gained by configuring simple system services

- The training is a first step to acquire skills necessary at work as a **Linux system administrator**
- The participant is familiarized with standard and emergency procedures in **system** administration



Expected Listener Preparation

Some experience in administration of any operating system is preferred. We do not require any experience in **UNIX/Linux**.



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. Configuring Cockpit for server administration
20. Use **Libvirt** and **Cockpit** with KVM
21. Manual and kickstart **installations**
22. Review **LAB**