

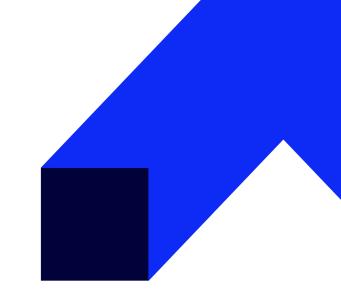
training code: ELA010 / ENG DL 5d / EN

# 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 configruing simple system services



- The training is a first step to acuqire 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: EnglishMaterials: 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