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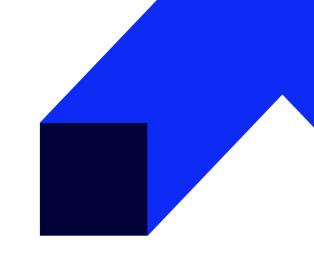
Enterprise Linux Administration Fast Track

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.

Training recipients

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

- 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

Training program

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

Expected preparation of the participant

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

Training Includes

- 5 days of work with a trainer
- Trainer's supervision
- Contact with community
- Coursebook
- Lab environment

Training method

- lecture
- workshops

Duration

5 days / 35 hours

Language

- Training: English
- Materials: English