



Innosoft Linux System Administration II (IN135)

Course Description

The Innosoft Linux System Administration II (IN135) relates to Red Hat Enterprise Linux 7 and is specifically designed for students who have completed the Innosoft Linux System Administration I (IN125). Innosoft Linux System Administration II (IN-135) focuses on the key tasks needed to become a full time Linux administrator. This course goes deeper into enterprise Linux administration including file systems and partitioning, logical volumes, SELinux, firewalling, and troubleshooting. Attending both Innosoft Linux System Administration I and II can help you in your preparation for the Red Hat Certified System Administrator Exam (EX200).

Duration

4 days

Audience

- IT professionals who have attended Red Hat System Administration I and want the skills to be full-time enterprise Linux administrators and/or earn RHCSA certifications

Prerequisites

- Innosoft Linux System Administration I (IN125)



Recommended next course

- Innosoft Linux System Administration III (IN255)

Course Topics

Unit 1 - Automate installation with Kickstart

- Automate the installation of Red Hat Enterprise Linux systems with Kickstart.

Unit 2 - Use regular expressions with grep

- Write regular expressions that, when partnered with grep, will allow you to quickly isolate or locate content within text files.

Unit 3 - Create and Edit text files with vim

- Introduce the vim text editor, with which you can open, edit, and save text files.

Unit 4 - Schedule future Linux tasks

- Schedule tasks to automatically execute in the future.

Unit 5 - Manage priority of Linux processes

- Influence the relative priorities at which Linux processes run.

Unit 6 - Control access to files with access control lists (ACL)

- Manage file security using POSIX access control lists.



Unit 7 - Manage SELinux security

- Manage the Security Enhanced Linux (SELinux) behavior of a system to keep it secure in case of a network service compromise.

Unit 8 - Connect to network-defined users and groups

- Configure systems to use central identity management services.

Unit 9 - Add disks, partitions, and file systems to a Linux system

- Manage simple partitions and file systems.

Unit 10 - Manage logical volume management (LVM) storage

- Manage logical volumes from the command line.

Unit 11 - Access networked attached storage with network file system (NFS)

- Access (secure) NFS shares.

Unit 12 - Access networked storage with SMB

- Use autofs and the command line to mount and unmount SMB file systems.

Unit 13 - Control and troubleshoot the Red Hat Enterprise Linux boot process Limit network communication with firewall

- Configure a basic firewall.

Unit 14 - Comprehensive review

- Practice and demonstrate knowledge and skills learned in this course