



RedHat System Administration II

2023-2024 Catalog

[ARCHIVED CATALOG]

SVAD 134 - RedHat System Administration II

PREREQUISITES: [SVAD 124 - RedHat System Administration I.](#)

PROGRAM: Cloud Technologies

CREDIT HOURS MIN: 3

LECTURE HOURS MIN: 2

LAB HOURS MIN: 2

DATE OF LAST REVISION: Fall, 2017

This course is specifically designed for students who have completed Red Hat System Administration I. Red Hat System Administration II 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.

MAJOR COURSE LEARNING OBJECTIVES: Upon successful completion of this course the student will be expected to:

1. Understand and use essential tools.
2. Operate running systems.
3. Configure local storage.
4. Create and configure file systems.
5. Deploy, configure, and maintain systems.
6. Manage users and groups.
7. Manage security.

COURSE CONTENT: Topical areas of study include -

- Automating Installation with Kickstart
- Using Regular Expressions with grep
- Creating and Editing Text Files with vim
- Scheduling Future Linux Tasks
- Managing Priority of Linux Processes
- Controlling Access to Files with Access Control Lists (ACLs)
- Managing SELinux Security
- Connecting to Network-defined Users and Groups
- Adding Disks, Partitions, and File Systems to a Linux System
- Managing Logical Volume Management (LVM) Storage
- Accessing Network Storage with Network File System (NFS)
- Accessing Network Storage with SMB
- Controlling and Troubleshooting the Red Hat Enterprise Linux Boot Process
- Limiting Network Communication with firewalled
- Comprehensive Review of System Administration II

[Course Addendum - Syllabus \(Click to expand\)](#)

