



# RedHat System Administration I

2023-2024 Catalog

[ARCHIVED CATALOG]

## SVAD 124 - RedHat System Administration I

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**PREREQUISITES:** [SVAD 111 - Linux and Virtualization Tech.](#)

PROGRAM: Cloud Technologies

**CREDIT HOURS MIN:** 3

LECTURE HOURS MIN: 2

LAB HOURS MIN: 2

DATE OF LAST REVISION: Fall, 2017

Red Hat System Administration I is designed for students without previous Linux system administration experience. The course is intended to provide students with Linux administration "survival skills" by focusing on core administration tasks. Red Hat System Administration I also provides a foundation for students planning to become full-time Linux system administrators by introducing key command-line concepts and enterprise-level tools. These concepts are further developed in the follow-on course, Red Hat System Administration II.

**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 -

- Accessing the Command Line
- Managing Files from the Command Line
- Getting Help in Red Hat Enterprise Linux
- Creating, Viewing, and Editing Text Files
- Managing Local Linux Users and Groups
- Controlling Access to Files with Linux File System Permissions
- Monitoring and Managing Linux Processes
- Controlling Services and Daemons
- Configuring and Securing OpenSSH Service
- Analyzing and Storing Logs
- Managing Red Hat Enterprise Linux Networking
- Archiving and Copying Files Between Systems
- Installing and Updating Software Packages
- Accessing Linux File Systems
- Using Virtualized Systems
- Comprehensive Review



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

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