

# Red Hat System Administration II – RH134

This course is based on Red Hat® Enterprise Linux 8.2.

## Outline for this course

### **Improve command line productivity**

Run commands more efficiently by using advanced features of the Bash shell, shell scripts, and various utilities provided by Red Hat Enterprise Linux.

### **Schedule future tasks**

Schedule commands to run in the future, either one time or on a repeating schedule.

### **Tune system performance**

Improve system performance by setting tuning parameters and adjusting scheduling priority of processes.

### **Control access to files with ACLs**

Interpret and set access control lists (ACLs) on files to handle situations requiring complex user and group access permissions.

### **Manage SELinux security**

Protect and manage the security of a server by using SELinux.

### **Manage basic storage**

Create and manage storage devices, partitions, file systems, and swap spaces from the command line.

### **Manage logical volumes**

Create and manage logical volumes containing file systems and swap spaces from the command line.

### **Implement advanced storage features**

Manage storage using the Stratis local storage management system and use VDO volumes to optimize storage space in use.

### **Access network-attached storage**

Use the NFS protocol to administer network-attached storage.

### **Control the boot process**

Manage the boot process to control services offered and to troubleshoot and repair problems.

### **Manage network security**

Control network connections to services using the system firewall and SELinux rules.

### **Install Red Hat Enterprise Linux**

Install Red Hat Enterprise Linux on servers and virtual machines.

### **Run Containers**

Obtain, run, and manage simple, lightweight services as containers on a single Red Hat Enterprise Linux server.