

# Red Hat Linux Networking and Security Administration

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**RH253: 4 Days** Registration closes the Thursday before the start date for these classes.

## Course Overview

For Linux- and/or UNIX- systems administrators who want to build skills at configuring common network services and security administration using Red Hat Enterprise Linux.

## Audience Profile

Linux or UNIX system administrators who already have some real world experience with Red Hat Enterprise Linux systems administration and want a first course in networking services and security.

## At Course Completion

Clients will become system administrators who can setup a Red Hat Enterprise Linux server and configure common network services and security at a basic level.

## Prerequisites

Course RH033- Red Hat Linux Essentials

## Related Certification Exam(s)


RH202 RHCT Certification Lab Exam

## Next Class(es)


RH300- RHCE Rapid Track and Certification Course

## Course Outline


### Module 1: System Performance and Security

 Identify how concepts and well formed policy map to configuration and accountability in networking and security administration.


### Module 2: System Service Access Controls

 Implement secure access to system and network services using host-based access, SELinux, and system services management.


### Module 3: Securing Data

 Secure data using fundamental encryption protocols, Public Key Infrastructure, and Digital Certificates. Configure and utilize encrypted remote system administration tools.


### Module 4: Network Resource Access Controls

 Secure access to systems and services using the NetFilter kernel-level firewall.


### Module 5: Organizing Networked Systems

 Understand and implement organized networked systems using the DNS and DHCP services.


### Module 6: Network File Sharing Services

 Configure, control and secure access to FTP, NFS, and SMB/CIFS (Samba).


## **Module 7: Web Services**

 Configure, implement and secure access to the Apache Web Server and Squid Proxy Cache.

## **Module 8: Electronic Mail Services**

 Configure, implement and secure access to the Sendmail and Postfix SMTP servers.

## **Module 9: Account Management**

 Understand account management using Name Switch Service and Pluggable Authentication Modules.



105 West Broad Street  
Falls Church, Virginia 22046  
Ph: 703.532.1000  
Fax: 703.532.1001  
Web: [www.Knowlogy.com](http://www.Knowlogy.com)