

# RH253

## RH253 Red Hat Enterprise Linux Networking & Security Administration

### Course Description

This course is for Linux and/or UNIX systems administrators who want to build their skills at configuring common network services and security administration using Red Hat Enterprise Linux.

### Target Audience

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

### Prerequisites

RH133 or equivalent experience with Red Hat Enterprise Linux.

\* **Pre-course assessment** to ascertain suitability at <http://www.redhat.com/apps/training/assess/>

### Duration

4 Days (12 Training Units + Post Course Assessment Test)  
Time: 9.00am – 5.30pm

### Materials Provided

- RH253 Courseware
- Other Red Hat marketing collaterals, subjected to availability

### Upon Successful Completion

The delegate will be a system administrator who can set up a Red Hat Enterprise Linux sever and configure common network services and security at a basic level.

### Prepares For

RH300 Red Hat Certified Engineer (RHCE) Rapid Track Course  
RH302 Red Hat Certified Engineer (RHCE) Certification Lab Exam

### Assessments & Certificates

- Certificate of Attendance
- RH253 Post Course Assessment Test
- RH253 Letter of Achievement

### In this course, you will learn:

**Unit 1 : Welcome & Introduction to RH253**

*Red Hat Network; Applications; The Fedora Project*

**Unit 2 : Introduction to System Services**

*Service Management; xinetd; SELinux*

**Unit 3 : Securing Services**

*SystemVStartup control; xinetd; Advanced Security Options*

**Unit 4 : Securing Networks**

*Netfilter; Chain Operations; Directional Filtering*

**Unit 5 : Organising Networked Systems**

*DNS; BIND; DHCP*

**Unit 6 : Network File Sharing Services**

*NFS Server; FTP; Samba*

**Unit 7 : Electronic Mail Services**

*Sendmail; Postfix; Procmal*

**Unit 8 : The HTTP Services**

*Apache; Squid*

**Unit 9 : Security Concerns & Policies**

*Attacks from the Network; Diagnostic Utilities; Response Strategies*

**Unit 10 : Authentication Services**

*User Authentication; PAM; NIS*

**Unit 11 : System Monitoring**

*File System Analysis; Log File Analysis; Process Accounting Tools*

**Unit 12 : Securing Data**

*Cryptogaphical Building Blocks; Asymmetric Encryption; OpenSSH*



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