

## Red Hat System Administration III: Data Center Services for RHEL 7 (RH254)

- **Formato do curso:** Presencial
- **Localidade:** Porto
- **Data:** 24 Jun. 2019 a 27 Jun. 2019
- **Preço:** 1780€
- **Horário:** Laboral - das 09h00 às 17h00
- **Nível:** Avançado
- **Duração:** 27 horas

O curso Red Hat System Administration III (RH254) foi preparado com administradores Linux com alguma experiência em mente que precisam de treinar os seu conhecimentos. Usando um processo muito prático, usando uma experiência “hands on” apoiado por discussões e labs de revisão em DNS, Apache, segurança, premissões, SELinux, etc. O formandos que frequentem este curso estão preparados para o exame Red Hat Certified Engineer.

**This course is based on Red Hat Enterprise Linux 7. For Red Hat Enterprise Linux 8, see [Red Hat System Administration III: Linux Automation with Ansible \(RH294\)](#).**

### Diagnóstico de Competências

Teste previamente os seus conhecimentos, ou os da sua equipa, em:

- Red Hat Satellite
- Ansible
- RH JBoss Enterprise Application Platform
- RH Gluster Storage
- RH OpenShift
- RH OpenStack Platform
- RH Enterprise Linux 7
- RH Fuse
- RH Camel
- RH AMQ
- RH Ceph Storage
- RH Identify Management
- RH Enterprise Linux 8

[Aceda aqui ao diagnóstico!](#)

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## Destinatários

- Senior Linux system administrators who require networking and security administration skills
  - Linux IT professionals who currently have RHCT/RHCSA certification, and are interested in earning an RHCE certification
  - Linux IT professionals that can demonstrate the competencies needed to earn an RHCT/RHCSA, but have not passed the RHCSA exam provided with the Red Hat System Administration II course
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## Pré-requisitos

- RHCSA Rapid Track Course (RH200) ou Red Hat System Administration I & II
  - Conhecimentos equivalentes ao curso RHCSA Rapid Track Course
  - Recomenda-se que se faça o *pre-assessment* no site da Rumos ou RedHat para avaliar o seu nível de preparação
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## Objectivos

- Administrar um servidor RHEL de forma avançada em tarefas como configurar ipv6, firewall, selinux, um servidor básico DNS e e-mail
  - Configuração avançada de serviços de rede e scripting
  - Estarão aptos também para fazerem o exame EX300
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## Programa

### **Getting Started with the Classroom Environment**

- Given a virtualized environment, begin to administrate multiple systems using prerequisite skills

### **Enhance User Security**

- Configure system to use Kerberos to verify credentials and grant privileges via sudo

### **Bash Scripting and Tools**

- Automate system administration tasks utilizing Bash scripts and text-based tools

### **File Security with GnuPG**

- Secure files with GnuPG.

### **Software Management**

- Use yum plugins to manage packages and understand the design of packages to build a simple package

## **Network Monitoring**

- Profile running services then capture and analyze network traffic

## **Route Network Traffic**

- Configure system to route traffic and customize network parameters with sysctl

## **Secure Network Traffic**

- Secure network traffic through SSH port forwarding and iptables filtering/network address translation (NAT)

## **NTP Server Configuration**

- Configure an NTP server

## **Filesystems and Logs**

- Manage local file system integrity, monitor system over time, and system logging

## **Centralized and Secure Storage**

- Access centralized storage (iSCSI) and encrypt filesystems

## **SSL-encapsulated Web Services**

- Understand SSL certificates and deploy an SSL encapsulated web service

## **Web Server Additional Configuration**

- Configure web server with virtual hosts, dynamic content, and authenticated directories

## **Basic SMTP Configuration**

- Configure an SMTP server for basic operation (null client, receiving mail, smarthost relay)

## **Caching-Only DNS Server**

- Understand DNS resource records and configure a caching-only name server

## **File Sharing with NFS**

- Configure file sharing between hosts with NFS

## **File Sharing with CIFS**

- Configure file and print sharing between hosts with CIFS

## **File Sharing with FTP**

- Configure file sharing with anonymous FTP

## **Troubleshooting Boot Process**

- Understand the boot process and recover unbootable systems with rescue mode