

## RHCE Certification lab (RH299)

- **Formato do curso:** Presencial
- **Localidade:** Porto
- **Data:** 14 Out. 2019 a 16 Out. 2019
- **Preço:** 2080€
- **Horário:** Laboral - das 09h00 às 17h00
- **Nível:** Avançado
- **Duração:** 27 horas

O curso RH299 - RHCE Certification Lab foi pensado para os alunos que procurem uma experiência mais hands-on, baseado em laboratórios práticos, para ser usado como revisão para o exame EX300 Red Hat Certified Engineer (RHCE). Assume-se que os alunos já estiveram presentes nos cursos de preparação e apenas querem rever os tópicos dos mesmos para tentarem a certificação ou recertificação.

Os laboratórios incidem sobre os cursos: RH199 e RH254.

### 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 Identity Management
- RH Enterprise Linux 8

[Aceda aqui ao diagnóstico!](#)

## Destinatários

- Experienced Linux system administrators with a minimum of three years of Linux experience who want a fast-track solution to earn an RHCE certification.
  - Experienced Solaris system administrators who have completed the Red Hat Enterprise Linux for Solaris Administrators (RH290) course.
  - This course is not recommended for students who have successfully completed the RHCSA Rapid Track Course (RH200). For those students, the Red Hat System Administration III (RH254) course is recommended.
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## Pré-requisitos

- O formandos deverão já ter frequentado os cursos Red Hat System Administration I, II, e III ou ter conhecimentos equivalentes.
  - Recomenda-se fazer o teste de pré-assessment a fim de verificar se os pré-requisitos estão cumpridos.
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## Objectivos

No final da ação de formação os participantes deverão estar aptos a:

- Gerir e resolver problemas to processo de boot e do system
  - Gerir e resolver problemas de rede
  - Gerir filesystems e partições
  - Gerir e configurar a firewall (firewalld)
  - Automatizar a instalação do Red Hat Enterprise Linux com a tecnologia kickstart
  - Configuração básica do SELinux
  - Usar o NFS e SAMBA
  - Usar um iSCSI initiator e target
  - Configuração de um Caching only DNS server
  - Configuração de um NFS server e Samba server
  - Instalação e configuração do Apache HTTPD server
  - Instalação do MariaDB
  - Configuração do Postfix SMTP server para null clientes
  - Iniciação ao bash scripting
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## Programa

### Software Management

- Manage packages with yum, rpm, and RHN build an RPM package and place it in a repository.

### Network Management

- Configure and troubleshoot network settings configure network bonding.

## **Storage Management**

- Manage partitioning, filesystems and swap space configure encrypted partitions and iSCSI initiator.

## **Logical Volume Management (LVM)**

- Manage physical volumes, volume groups and logical volumes with their filesystems.

## **Account Management**

- Provide password aging for accounts use ACLs and SGID directories for collaborative directories.

## **Authentication Management**

- Configure an LDAP and Kerberos client configure autofs to support authentication client.

## **Installation, Kickstart, and Virtualization**

- Install a system and manage kickstart and firstboot use virtualization tools to manage virtual machines.

## **Boot Management**

- Configure runlevels and systemctl reset the root password understand the boot process.

## **Scheduling Commands (at and cron)**

- Schedule commands using at and cron.

## **Security Enhanced Linux (SELinux) Management**

- Understand, troubleshoot, and manage SELinux.

## **Firewall Management**

- Manage the firewall.

## **Network Time Protocol (NTP) Service**

- Configure an NTP server and provide that service to clients.

## **System Logging (rsyslog) Service**

- Troubleshoot by finding and analyzing logs configure remote logging.

## **Web (HTTP/HTTPS) Service**

- Manage a web server with virtual hosts and using file/directory access controls.

## **Email (SMTP) Service**

- Null client outbound smarthost relay accept inbound connections.

### **Domain Name System (DNS) Service**

- Configure a caching nameserver and DNS forwarder.

### **Network File System (NFS) Service**

- Manage the NFS service use autofs to access the NFS server.

### **Common Internet File System (CIFS) Service**

- Configure a CIFS server use autofs to access the CIFS server.

### **File Transfer Protocol (FTP) Service**

- Provide anonymous-only download service provide drop-box upload service.

### **Common UNIX Printing System (CUPS) Service**

- Configure local and remote printers.

### **Secure Shell (SSH) Service**

- Configure and implement SSH keys use SSH for port forwarding transfer data using rsync.

### **Virtual Network Computing (VNC) Service**

- Configure remote desktops and connect to them securely.

### **Comprehensive Review**

- Review tasks previously taught in class.