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# Red Hat Enterprise Linux 8 (RHEL 8) System Administration II Eğitimi

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## Eğitim Hakkında

Red Hat Enterprise Linux 8 (RHEL 8) System Administration II eğitim kursu, katılımcılara, uzun vadeli yönetim için gelişmiş konular içeren bir problem çözme yaklaşımı kullanarak bir RHEL 8 sistemini kurmak ve yönetmek için gereken komutları ve yöntemleri öğretir.

### Neler Öğreneceksiniz

RHEL 8 işletim sistemini kurmayı, güncellemeyi ve yüklemeyi,

Kullanıcı hesaplarını ve izinleri ayarlamayı,

Bütünlük ve performans için yedeklemeler yapmayı,

Sistemi performans açısından izleyin ve ağ yazılımı ve özelliklerinin temel kurulumunu yapmayı.

### Eğitim İçeriği

#### Improve Command Line Productivity

vim editor

invoking vim

.vimrc file

key vim features

advanced vim features

gvim

using command aliases and shell scripts

#### Using Regular Expressions with grep

regular expressions

#### Schedule Future Tasks

submitting a batch job with at

batch job logging with at

submitting a batch job with crontab

crontab file entry layout

uses of crontab entries

system level periodic processing via crond

periodic processing via a systemd timer

### **Control Access to Files with ACLs**

special file attributes (SUID, SGID, STICKY)  
special directory attributes (SGID, STICKY)  
Access Control Lists (ACLs)  
default directory access control lists (dACLs)

### **Install Red Hat Enterprise Linux 8 (with kickstart)**

building a kickstart File  
initiating Installation via a kickstart File  
upgrading Red Hat Enterprise Linux 8  
KVM virtual machine requirements  
KVM virtual machine creation

### **Control the Boot Process**

RHEL 8 system initialization sequence  
Grand Unified Boot Loader (GRUB 2)  
Grand Unified Boot Loader (GRUB 2) - components  
Grand Unified Boot Loader (GRUB 2) - variables  
Grand Unified Boot Loader (GRUB 2) - menuentries  
RHEL 8 server single user mode  
RHEL reset forgotten root password  
kernel boot parameters  
shutdown  
install rescue mode

### **Maintain Basic Storage**

disk device and partition operations  
disk device information  
MBR partition table concepts  
GPT partition table concepts  
Red Hat Enterprise Linux 8 system (boot) disk  
MBR partition operations  
GPT partition operations  
file system operations  
Red Hat Enterprise Linux 8 ext\* file system layout  
ext4 filesystem  
superblock backup areas  
Red Hat Enterprise Linux 8 xfs file system layout  
xfs filesystem  
unmounting filesystems  
swapping and paging spaces  
encrypted filesystems  
changes to /tmp

### **Manage Logical Volumes**

logical volume management concepts  
logical volume management utilities  
using the logical volume manager

- physical volumes
- volume groups
- logical volumes
- logical volume mirroring
- logical volume backup
- using logical volumes as swap space

### **Implement Advanced Storage Features**

- Stratis volume management concepts
- using Stratis as a volume managing filesystem
- Stratis volume management commands
- using Stratis
- VDO volume management concepts
- using VDO as for volume compression
- VDO volume management commands
- using VDO

### **Manage Network Security**

- service specific access control
- firewalld components
- firewall interface - firewall-cmd
- firewall interface - cockpit
- iptables firewall

### **Access Network-Attached Storage**

- Network File System concepts
- Network File System configuration
- setting up the Network File System
- starting up the Network File System
- using the Network File System
- Automounter - direct / indirect maps

### **Manage SELinux Security**

- SELinux concepts
- SELinux files and utilities

### **Tune System Performance**

- Overview of performance management
- Utilities for performance monitoring
- Changing system and kernel parameters
- Using tuned to define performance profiles