



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Red Hat Enterprise Linux 8 - Linux Admin 1

**CODE:**

REH\_RH8SA-WS1

**LENGTH:**

40 Hours (5 dage)

**PRICE:**

kr 19,100.00

**Description****Objectives**

Linux is heavily relied upon in business, education and government. Due to its outstanding reliability, performance and low cost, Linux is being used extensively for file, database and web server applications. Of all the various Linux systems available, Red Hat Enterprise Linux has become the corporate Linux standard.

This Red Hat 8 System Administration course is aimed at users and administrators who need to manage Enterprise Linux systems, not just Red Hat but also any of the rebuild projects like CentOS and Scientific Linux. The course will teach students basic Enterprise Linux administration techniques, including; command line access, process control and user and group management.

**Audience**

This course helps administrators new to Red Hat 8 or CentOS 8 quickly become skilled in the core tasks involved in managing Enterprise Linux solutions.

**Prerequisites**

No previous experience with a UNIX or Linux system is required, although delegates will benefit from attending our UNIX & Linux Essentials course.

**Programme**

	Accessing the Command Line	Managing Linux Files
	Shell Basics	Understanding the Linux File System Hierarchy
	Logging into Linux Locally	Referencing Files by Name
	Logging into Linux over the Network	Managing Files Using Command Line Tools
	Accessing the CLI from the GUI	Creating Hard and Symbolic Links
	Executing Commands at the Bash Shell	Using Shell Expansion to Match Files Names
	Editing the Command Line	Brace Expansion
What is Red Hat Enterprise Linux	Reading File Contents	Tilde Expansion
Linux and Open source Software	Full Path or Relative Path	Variable Expansion
What is a Linux Distribution	Bash History	Command Substitution

Managing Text Files	
Shell Redirection	
Redirecting to Files	
Using the Tee Command	
Redirecting Input	
Creating Additional File Descriptors	
Creating Text Files with Bash Here Documents	
Editing Text Files with vim	
The three modes of Vi	
Editing Text Files with nano	
Editing Text Files Programmatically with sed	
Customizing the Shell Environment	
Assigning Values to Variables	
Retrieving Values with Variable Expansion	
Configuring Bash with Shell Variables	
Configuring Programs with Environment Variables	
Setting the Default Text Editor	
Setting Variables Automatically	
Unsetting and Unexporting Variables	
Managing Local Users and Groups	
Users and Groups Explained	
Elevating Privileges	
Using su	
Using sudo	
Managing Local Users	
Creating New Users	
Modify User Accounts	
Deleting Users	
Managing Local Groups	
Managing Passwords	
The /etc/shadow File	
Modify Password Aging	
Password Aging Defaults	
Getting Help In Linux	
Simple Help Option	
Linux Man Pages	
Linux Info Pages	
Managing Linux File Permissions	
Understanding Linux File Permissions	
File Types	
Reading File Permissions	
Using Perl Scripts to Read File Permissions	
Translating Symbolic Permissions to Octal and Binary Notation	
File Ownership	
Changing File Ownership	
Default Permissions and Umask	
Setting File Permissions Using chmod	
Setting Permissions only on Directories	
Special Permissions	
Listing SUID Programs	
Permissions Summary	
Monitoring and Managing Processes	
Process States	
Listing Processes	
Searching for Processes	
Real-Time Utilization	
Controlling Jobs	
Running Jobs in the Background	
Killing Processes	
Managing Services	
Introduction to systemd	
Describing Service Units	
Listing Service Units	
Viewing Service States	
Controlling Services	
Networking Within Red Hat Enterprise Linux 8	
TCP/IP Protocol Suite	
IPv4 Network Addressing	
Network Mask	
IPv6 Network Addressing	
Interface Names in RHEL 8	
Viewing Network Configuration	
Check Connectivity with other Hosts	
Diagnosing Open Ports on Server	
Configuring the Network from the CLI	
Working with Network Script Files	
Configuring Host Names and Name Resolution	
Name Resolution	
System Logging	
Logging Using Rsyslogd	
Rotating Log Files	
Reading the Journal Log	
Debugging Services with journalctl	
Persisting The Journal Log	
Configuring Time	
Managing Software in Red Hat Enterprise Linux 8	
RPM	
Package Management with Yum	
Managing Repositories	
Yum Modules	
Linux Storage	
Block Devices	
Monitor Space	
Searching for Files	
Working with the SSH Client	
Authenticating Servers	
Configuring Client Behaviour	
Authenticating the Client	
Configuring Clients	
Archiving Files	
Creating Tar Archives	
Listing Tar Archives	
Restoring Tar Archives	
Appending to Archives	
Combining Archives	
Restoring Files to Original Locations	
Remote Monitoring	
Installing Cockpit	
Cockpit Virtual Machine Manager	

## Session Dates

På anmodning. [Kontakt os venligst](#)

## Yderligere Information

[Denne træning er også tilgængelig som træning på stedet. Kontakt os for at finde ud af mere.](#)