

Course Title: OCS-linux-275: Linux Administration 2

Length of Course: 5 days

Overview:

This five-day course provides the student with the knowledge to use Linux as an advanced system administrator. This course is also designed to prepare students for the RHCE™ certification exam.

This course builds on skills learned in "OCS-linux-175: Linux System Administration I", providing students with the knowledge to perform advanced system administration tasks on a Linux system.

In addition to helping students prepare for the RHCSA™ (Red Hat® Certified System Administrator) exam, students gain experience that will assist them in handling real world Linux administration tasks.

Students are taught by an instructor who is both RHCSA™ and RHCE™ certified. All students are provided the following:

- Printed and digital copies of our excellent courseware in which exam objective topics are clearly marked.
- Access to courseware updates for up to a year after class.
- On line access to OCS's exam prep guide.
- A classroom-based Operating System on a bootable USB.
- A copy of "Hands-on Guide to the Red Hat® Exams: RHCSA™ and RHCE™ Cert Guide and Lab Manual".

Prerequisites:

Prior to attending this class, students should have the following experience:

- Completion of OCS-linux-175: Linux Essentials or
- Equivalent experience

Course Cost:

\$1,900/person

Course Topics:

Unit 01: Software Administration Review <ul style="list-style-type: none">○ Connecting to a repository○ Installing software○ Removing software○ Creating a repository○ rpm & yum○ Building RPM packages	Unit 06: Securing Network Traffic <ul style="list-style-type: none">○ Firewall○ NAT○ Port forwarding○ SELinux	Unit 11: SMTP Configuration <ul style="list-style-type: none">○ SMTP
Unit 02: Advanced User Security <ul style="list-style-type: none">○ sudo○ Kerberos○ SSSD	Unit 07: NTP Configuration <ul style="list-style-type: none">○ Setting up an NTP server	Unit 12: DNS Configuration <ul style="list-style-type: none">○ DNS Master & Slave administration○ Configuring caching-only servers
Unit 03: Securing Files <ul style="list-style-type: none">○ GnuPG	Unit 08: Monitoring the System <ul style="list-style-type: none">○ Configuring remote logging○ logwatch○ tmpwatch○ sar	Unit 13: Network File Sharing <ul style="list-style-type: none">○ NFS○ CIFS○ FTP
Unit 04: Monitoring Network Traffic <ul style="list-style-type: none">○ Monitoring open ports○ Viewing network traffic	Unit 09: Enhanced Storage Devices <ul style="list-style-type: none">○ Encrypted storage○ iSCSI	Unit 14: Troubleshooting Review <ul style="list-style-type: none">○ Boot issues○ Fixing user accounts○ Networking errors○ Filesystem recovery
Unit 05: Advanced Network Administration <ul style="list-style-type: none">○ IP Aliases○ Bonding○ Kernel tuning○ Routing	Unit 10: Securing Access to Web Servers <ul style="list-style-type: none">○ Encrypting Apache traffic○ Certificates	Unit 15: BASH shell scripting Review <ul style="list-style-type: none">○ Conditional statements○ Input/output○ Handling Signals○ Debugging