

Course Title: OCS-linux-075: Linux Essentials

Length of Course: 5 days

Overview:

This five-day course provides the student with the knowledge to use Linux both as an end user and as an entry-level system administrator. This course is also designed to prepare students for the RHCSA™ certification exam (in conjunction with "OCS-linux-175: Linux Administration I").

Designed for individuals who are new to Linux, **OCS-linux-075** lays the foundation necessary to become successful working in a Linux environment. Students are provided with hands on instruction in both fundamental and advanced topics.

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 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:

- Basic computer knowledge
- Basic keyboarding skills

Course Cost:

\$1,900/person

Course Topics:

Unit 01: Basic Linux Concepts <ul style="list-style-type: none">○ Logging in○ Changing password○ Basic command usage	Unit 06: Metacharacters <ul style="list-style-type: none">○ Wildcards○ Redirection of Input & Output	Unit 11: File Compression <ul style="list-style-type: none">○ tar○ gzip○ zip
Unit 02: Using the GUIs <ul style="list-style-type: none">○ Linux desktops○ Using GNOME○ Customizing GNOME	Unit 07: Shell Features <ul style="list-style-type: none">○ Shell variables○ Command aliases○ Quoting	Unit 12: Using crontab and at <ul style="list-style-type: none">○ schedule processes with crontab○ anacron○ schedule processes with at
Unit 03: The Filesystem <ul style="list-style-type: none">○ Filesystem structure○ Accessing the filesystem○ Modify the filesystem	Unit 08: File Security <ul style="list-style-type: none">○ Understanding file permissions○ Setting file permissions○ Default permissions	Unit 13: Shell Scripting <ul style="list-style-type: none">○ Conditional statements○ Input/output○ Handling Signals○ Debugging
Unit 04: Handling Files <ul style="list-style-type: none">○ Copying & moving files○ Viewing files○ Removing files	Unit 09: The vim Editor <ul style="list-style-type: none">○ vim functionality○ Input & movement commands○ advanced vim commands	Unit 14 : Installation <ul style="list-style-type: none">○ Installation requirements○ Installation methods○ Interactive installations
Unit 05: File Manipulation <ul style="list-style-type: none">○ Filter commands○ Finding files○ Comparing files	Unit 10: Jobs and Processes <ul style="list-style-type: none">○ Listing jobs & processes○ Signals○ Stopping and pausing jobs & processes	Unit 15: Software Management <ul style="list-style-type: none">○ Connection to a repository○ Installing software○ Removing software