

Course 601: Introduction to Linux (4 days)

Course Description...

This hands-on course provides the necessary background and tools needed to start using a Linux system effectively. After logging in, the student learns how to work faster, with less effort, using the graphical tools provided by the GNOME desktop. The student will know how to interact with the Internet using mail systems (block spam) and the web browsers effectively. By the end of the course, the student can secure and organize files under their control; modify and extract data from text files; create custom commands thru pipelines, and simple shell scripts; customize their personal environment; create personal, compressed backups; and print files. This class emphasizes *learning by doing!*

Learning objectives...

- ❑ How to login and out of Linux thru Graphical User Interface (GUI) and non-GUI systems
- ❑ How to work with and customize GNOME
- ❑ How to effectively use Red Hat's graphical user interface
- ❑ How to make the most of FireFox
- ❑ How to configure and use the Evolution Email system and be introduced to Thunderbird
- ❑ Learn how to use Open Office and its compatibility with Microsoft Office
- ❑ Learn how to be a power user by working on the command line, editing commands and making aliases
- ❑ Learn how to build complex commands thru pipelines
- ❑ Learn to use the commands the power users' use to manipulate files quickly

Who should attend...

Anyone who wants to use a Linux system. The course favors those who have little time to learn a new system and yet need to become proficient in the least amount of time. Because of the emphasis on learning by doing, skills are mastered quickly.

Prerequisites...

A desire to become proficient at using Linux. The ability to use a mouse and a Graphical User Interface are helpful, but not necessary. If you want to learn Linux, this course will provide you the background, tools and experience necessary to effectively increase your Linux productivity.

See the following page for a detailed course description...



Course Outline...

Getting Started

- Login, Logout, and Virtual Consoles
- GNOME Sessions
- Panels, Menus, and Drawers
- Useful Desktop Tools
- Getting Help

Using Red Hat's Graphical Interface

- Layout and Navigation
- File systems, Folders, and Files
- Removable Media
- Customization

Using FireFox

- Tabbing and History
- Downloading and Printing
- Security
- Transitioning from other Web Browsers

Evolution Email and Scheduler

- First Time Setup
- Sending Mail
- Managing Mail Messages
- Using the Scheduler

Open Office

- Using write
- Using calc
- Using impress
- Compatibility with Microsoft Office

Printing

- Drag and Drop
- What Printers?
- Managing Print Jobs

Customizing Gnome

- Preference Tools
- Mouse, Keyboard, and Sound
- Network Setting

Introduction to the Command Line

- Executing Commands
- Command Line Editing
- History
- Aliases

Directory Structure and Manipulation

- File System Standard
- Moving Around
- Creating and Destroying Directories

File Permissions and Manipulation

- Types of Files
- Coping, Moving, Deleting, and Linking
- Seeing File Content

Power User Commands

- Finding Files
- Extracting Data
- Manipulating File Content
- Building Commands (pipelines)

Basic Shell Scripting

- Script Setup
- Displaying Data
- Shell Variables
- Conditional Execution
- Account Customization

Personal Backup

- Using tar
- Compressing the Files