

## Course 203

# Introduction to Linux

## A 2-day Hands-On Workshop

This workshop is designed for non-technical Windows users who are moving to a Linux environment. The emphasis of the course is on showing how to start, run and stop applications, how to perform everyday tasks, and how to use built-in configuration and customization tools to personalize the graphical desktop.

### You will benefit from this workshop if you

- Have user-level Windows experience and will be moving to a Linux desktop
- Need to become comfortable working in a Linux environment quickly
- Want to learn user-level Linux in a non-threatening environment

### You will learn how to

- Start and log in to Linux successfully
- Use dozens of Linux commands
- Access Linux' many built-in help functions
- Customize a Linux GUI (Graphical User Interface) to your preferences
- Find and use built-in applications and utilities

### Prerequisites

This course assumes students have no previous knowledge of Linux. Basic computer experience at the user level is expected.

### The training approach

- **Real Hands-On:** You will spend over 50% of the time performing practical, realistic user tasks. You will log in to Linux and its mouse-driven graphical user interface. You will use the built-in capabilities to adjust the look and feel of the desktop to your preferences. You will start and stop applications. You will create, store, and find data files. You will log out and shut down Linux safely.
- **Up to date information:** We update the materials before every event.
- **Straightforward explanations:** Technical concepts and terms are explained in plain English.

### Workshop topics

#### Introduction to Linux

- What is Linux, and how is it different from Microsoft Windows
- Command line interfaces
- Graphical interfaces
- Commands every Linux user needs to know

## Different types of users

- `root` – The system administrator
- User accounts
- What you can and cannot do from different accounts

## Different groups

- What is a group?
- How do I become a member of a group?
- How do I make another user a member of my group?

## The Linux file system

- No drive letters!
- Lots of subdirectories
- Every user has a separate, private subdirectory to work in
- How to create a subdirectory
- How to move to a subdirectory
- Subdirectories you can't get to
- Accessing floppies, CDs, DVD's and USB devices (Flash drives, cameras, MP3 players etc.)

## The graphical user interface

- Two different desktops – KDE and GNOME
- Changing between KDE and GNOME
- Starting and exiting the graphical desktop

## Built-in utilities

- Tools for personalization and configuration
- The file manager
- Internet browsers
- Printing

## Essential commands

- How to get help – `man`, `info`, and `what is`
- Locating files and resources
- How to log out

## Hands-On labs

The labs are designed to ease the migration to a Linux based user environment and focus on working from a graphical user interface. Clear, easy-to-follow lab instructions, and the instructor, are there to guide your every step (and let you explore on your own when you want).

- **Start and stop** Linux, the graphical user interface, and applications
- Use Linux' **built in help systems**
- **Create and edit** data files
- **Configure your work environment** to fit *you*
- Find and **use built-in programs** and utilities
- Learn **most critical text mode commands**