



## Enhanced Network Solutions Group

Systems Integration • Learning Solutions • CIO Consulting  
Managed Outsourcing • Healthcare Solutions • Security Solutions

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# UNIX and Linux: Fundamentals

UNLI Rev 09.10

## 2 days

### Description

In the UNIX and Linux: Fundamentals course, you will be introduced to UNIX and work with its files and directories. You will use the command line interface (CLI) in UNIX to perform basic tasks. You will also manage processes and jobs in UNIX.

### Audience

The target audience for this course is individuals who are using the Windows desktop operating system and are migrating to UNIX or a mixed Windows/UNIX environment.

### Prerequisites

Competence in basic Windows operating system functions such as opening and saving files, managing windows, launching applications, and configuring desktop preferences, as well as a general understanding of personal computer concepts such as hardware, software, processing, and data storage. Courses that can help meet this prerequisite include:

- *Windows XP: Basic, Windows: Vista: Basic, or Windows 7: Basic*
- *Windows XP: Advanced, Windows: Vista: Advanced, or Windows 7: Advanced*

### Course Outline

#### **Lesson 1: Getting Started**

Topic 1A: Understand the UNIX Architecture  
Topic 1B: Log In to the System  
Topic 1C: Use Basic Commands  
Topic 1D: Customize the Shell Environment  
Topic 1E: Get Help

#### **Lesson 2: Working with Files and Directories**

Topic 2A: Understand File System  
Topic 2B: Display Files and Directories  
Topic 2C: Display File Contents  
Topic 2D: Create Files and Directories  
Topic 2E: Manage Files and Directories  
Topic 2F: Search Files and Directories

#### **Lesson 3: Managing File Permissions**

Topic 3A: Modify File Permissions  
Topic 3B: Modify File and Group Ownership  
Topic 3C: Modify Default Permissions

#### **Lesson 4: Editing Files**

Topic 4A: Create Files  
Topic 4B: Modify Files  
Topic 4C: Modify Files Using Advanced Techniques  
Topic 4D: Edit Text Using ex Commands

#### **Lesson 5: Managing Processes**

Topic 5A: Display Processes  
Topic 5B: Terminate Processes

#### **Lesson 6: Managing Jobs**

Topic 6A: Control Jobs  
Topic 6B: Schedule Jobs

#### **Lesson 7: Managing Communication**

Topic 7A: Access Remote Computers  
Topic 7B: Transfer Files



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