

Linux Essentials: Foundations for System Administration & Cybersecurity

Istanbul (Turkey)

8 - 12 August 2027

UK Training

PARTNER



Linux Essentials: Foundations for System Administration & Cybersecurity

Code: IT32 From: 8 - 12 August 2027 City: Istanbul (Turkey) Fees: 4900 Pound

Introduction

Linux is one of the most widely used operating systems in servers, IT infrastructure, and open-source applications. The Linux Fundamentals course is designed to provide beginners with the skills and knowledge needed to understand, operate, and manage Linux efficiently.

You will learn the basic concepts, most-used commands, file and directory management, user permissions, software management, and working with the terminal – building a solid foundation to advance into system administration or cybersecurity fields.

Course Objectives

- Understand the concept of operating systems and Linux philosophy.
- Learn the structure and main components of Linux.
- Use essential commands in the terminal.
- Manage files and directories effectively.
- Manage users, groups, and permissions.
- Install, remove, and manage software packages.
- Explore the Linux file system hierarchy.
- Learn basic troubleshooting methods.

Course Outlines

Day 1: Introduction to Linux and Its Structure

- Overview of Linux and its history.
- Main system components.
- Desktop environments and the terminal.
- Understanding different Linux distributions.
- Hands-on tour of the Linux interface.
- Practical exercise: Exploring the system.

Day 2: Basic Linux Commands

- Navigating directories.
- Creating, deleting, and moving files.
- Searching for files and directories.
- Viewing and reading file content.
- Using help commands man, help.
- Practical exercise: Performing basic tasks in the terminal.

Day 3: File and Directory Management



- Linux file system hierarchy.
- File permissions and using chmod & chown.
- Compressing and decompressing files.
- Backing up files.
- Creating hard and soft links.
- Practical exercise: Managing user files.

Day 4: User and Group Management

- Creating and deleting user accounts.
- Adding users to groups.
- Managing passwords.
- Assigning different permission levels.
- Securing user accounts.
- Practical exercise: Setting up a secure user environment.

Day 5: Software Management and Troubleshooting

- Installing and removing software using package managers.
- Updating the system.
- Searching for software in repositories.
- Troubleshooting common issues.
- Monitoring running processes.
- Practical exercise: Installing and updating software.

Why Attend this Course: Wins & Losses!

- Start from zero and gain confidence using Linux.
- Acquire essential skills in file and user management.
- Understand the system structure for easier advanced learning.
- Learn the most important commands and system tools.
- Prepare to work with Linux servers.
- Build readiness for advanced courses in system administration or cybersecurity.
- Practice with real Linux environments.
- Receive a certificate of completion.

Conclusion

The Linux Fundamentals course provides a strong starting point for anyone aiming to work in system administration or IT. Combining theoretical concepts with practical exercises, this course equips participants to confidently operate Linux and perform essential tasks.

It's a stepping stone toward advanced training in cybersecurity, server administration, and automation.



Blackbird Training Clients



MANNAI Trading
Company WLL,
Qatar



Alumina Corporation
Guinea



Booking.com
Netherlands



Oxfam GB International
Organization,
Yemen



Capital Markets
Authority,
Kuwait



Waltersmith Petroman Oil Limited
Nigeria



Qatar National Bank
(QNB),
Qatar



Qatar Foundation,
Qatar



AFRICAN UNION ADVISORY
BOARD ON CORRUPTION,
Tanzania



KFAS
Kuwait



Reserve Bank of
Malawi,
Malawi



Central Bank of Nigeria
Nigeria



Ministry of Interior,
KSA



Mabruk Oil Company
Libya



Saudi Electricity
Company,
KSA



BADAN PENGELOLA
KEUANGAN Haji,
Indonesia



NATO
Italy



ENI CORPORATE
UNIVERSITY,
Italy



Gulf Bank
Kuwait



General Organization for
Social Insurance
KSA



Defence Space Administration
Nigeria



National Industries
Group (Holding),
Kuwait



Hamad Medical
Corporation,
Qatar



USAID
Pakistan



STC Solutions,
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS
UN.



Authority for

UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Entertainment & Leisure
Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Artificial Intelligence (AI)
Sustainability, ESG & Corporate Responsibility
Advanced Courses
Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training

