



**SORINTEQ**

# FUNDAMENTALS OF LINUX & COMMAND LINE OPERATIONS

A 2 Day virtual training  
Course for the Government  
and commercial sectors

- ✓ 2 Day Programme
- ✓ Specialist Training for Law Enforcement
- ✓ All Training Equipment Provided
- ✓ In Association With the University of Buckingham

**Contact Us**

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 [Sorinteq Academy](https://www.sorinteq.academy)



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## Course Overview

Linux is one of the most widely used operating systems in cyber security, digital investigations, intelligence operations, and technical research environments. Many investigative tools, automation platforms, and secure operational environments rely on Linux-based systems and command-line functionality.

The Fundamentals of Linux & Command Line Operations Course is a practical 2-day virtual programme designed to provide learners with a strong foundation in the Linux operating system and the use of command-line instructions.

This course introduces participants to the core principles of Linux, file systems, permissions, navigation, and terminal-based operations, allowing them to confidently work within Linux environments used in cyber investigations, OSINT, digital intelligence, and technical operational roles.

The training is designed to remove the fear often associated with command-line working and provide learners with the confidence to use Linux as a practical investigative and operational platform.

## Who is the course for?

This course is designed for professionals who require a working understanding of Linux as part of their operational role, including:

- OSINT and digital investigators
- Cyber security and cyber intelligence professionals
- Law enforcement and government investigators
- Security analysts and technical researchers
- Fraud investigators and due diligence teams
- Staff transitioning into cyber or technical investigative roles

No prior Linux experience is required. This course is ideal for complete beginners or those looking to strengthen weak foundations.





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## Course Content

The course provides practical, hands-on virtual instruction across key areas, including:

- Introduction to Linux
- Understanding Linux distributions, environments, and operational uses
- Linux System Structure
- Filesystems, directories, users, permissions, and administrative concepts
- Terminal and Command Line Basics
- Understanding the shell, command structure, and terminal workflow
- Navigation and File Management
- Moving through directories, creating, copying, editing, and deleting files
- Permissions and User Management
- File ownership, access control, user privileges, and sudo usage
- Basic Command-Line Tools
- Searching, filtering, output redirection, piping, and productivity commands
- Virtual Machines and Safe Working Environments
- Understanding how Linux is used securely in investigative and cyber environments
- Practical Exercises and Guided Tasks
- Hands-on labs designed to reinforce command-line confidence and operational use

### Final Exercise Phase

- Practical Linux Challenge
- Learners complete a structured command-line exercise using a virtual Linux environment
- Command-Line Task Completion
- Applying navigation, permissions, and investigative support tasks
- Debrief and Skills Review
- Structured review of performance, troubleshooting, and confidence building





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## Aims and Objectives of the Course

By the end of the course, participants will be able to:

- Understand the core principles of the Linux operating system
- Navigate confidently using the Linux terminal and command line
- Manage files, directories, and permissions effectively
- Understand user accounts, privileges, and system structure
- Use common command-line tools to support investigations and technical tasks
- Apply basic troubleshooting and system management techniques
- Understand how Linux supports cyber investigations and OSINT operations
- Build confidence in working within virtualised and secure Linux environments

## Why Choose Sorinteq

Sorinteq delivers university-accredited, practitioner-led training trusted by Government and commercial organisations. Our Linux training is designed to provide practical operational confidence, ensuring learners can work effectively within technical environments that support modern investigations, cyber operations, and intelligence gathering.

Students undertaking courses provided by Sorinteq may earn credits towards formal academic qualifications such as Post Graduate Certificate, Diploma or MSc at the university of Buckingham.

For further enquiries please email [info@sorinteq.com](mailto:info@sorinteq.com) or call Sorinteq on +44 (0)333 0063248.

Sorinteq provide all necessary training equipment including laptop computers, internet connectivity, mobile devices and training material.

