

Troubleshooting with Ubuntu

Learn to diagnose and resolve Ubuntu OS crashes, boot failures, driver, hardware and network issues.

4 Days

DURATION

9

MODULES

25

TOPICS

8

HANDS-ON LABS

COURSE OVERVIEW

This course covers the Ubuntu operating system and its troubleshooting needs, starting with diagnosing and recovering from OS crashes. It then addresses updating applications and packages through repositories and cron jobs, resolving system boot issues and root password recovery, and fixing Busybox errors. Further modules cover Wi-Fi LAN driver issues involving PCI, USB and PCMCIA devices, checking system hardware utilization with monitoring tools and commands, and troubleshooting networking concepts including the difference between IPv4 and IPv6.

WHO THIS COURSE IS FOR

System Administrators

Linux Administrators

Support Engineers

Network Administrators

IT Technicians

LEARNING OBJECTIVES

- Explain the reasons behind Ubuntu OS crashes
- Apply troubleshooting steps to recover a crashed OS
- Configure package updates using repositories and cron jobs
- Identify causes of system boot issues and recover from them
- Recover a lost or forgotten root password
- Resolve Busybox errors on Ubuntu systems
- Fix Wi-Fi LAN driver issues using PCI and USB adaptors
- Analyse system hardware and network utilization with monitoring tools

9 Modules, 25 Topics

00

Understanding the OS Ubuntu and Its Needs

01

Lab

OS Automatically Crashed

TOPICS

Reasons for OS crashed · Troubleshooting the OS crashed · Recover the OS crashed

02

Lab

Updating of Applications Like Chrome etc.

TOPICS

How to use package updater · How to create repository · How to update packages · How to update packages via cron

03

Lab

System Boot Issues

TOPICS

Reasons for Boot issues · How to recover from Boot issues · How to recover root Password

04

Lab

Busybox Error

TOPICS

Reasons for BusyBox error · How to recover the busybox error

05

Lab

Wi-Fi Lan Driver Updating Issues

TOPICS

Understanding PCI · Understanding USB wireless adaptor · Checking of PCMCIA devices · Fixing the wifi lan driver

06

Lab

System Hardware Utilization Check

TOPICS

Understanding the monitoring tools · Understanding the monitoring commands · Understanding the top command

07

Lab

System Hardware Utilization Check

TOPICS

Use of System Resources · Use of Monitoring tools for System Resources · Understanding the concept of System Resources

Network Troubleshooting

TOPICS

- Understanding Networking concepts
- Understanding the difference between IPV4 and IPV6
- Understanding the different concepts for Networking with networking Tools

HANDS-ON LABS

Practise What You Learn

#	MODULE	ACTIVITY
01	OS Automatically Crashed	Labs
02	Updating of Applications Like Chrome etc.	Labs
03	System Boot Issues	Labs
04	Busybox Error	Labs
05	Wi-Fi Lan Driver Updating Issues	Labs
06	System Hardware Utilization Check	Labs
07	System Hardware Utilization Check	Labs
08	Network Troubleshooting	Labs

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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