

# UNIX/Linux, Networking and DNS Online Course

The Internet Society invites engineers from Africa to participate in an intensive online course titled “Introduction to Network Operations: UNIX/LINUX, Networking and DNS” This is an introductory course targeted at novice/entry-level UNIX/Linux users pursuing careers in Network or System Administration. This course provides the necessary skills to progress to more advanced topics in the future. This course is practically oriented and provides step-by-step guidance on how to configure a UNIX/Linux server and then run a Caching Domain Name System (DNS) server in a virtualized environment. The techniques covered in the course are applicable in real-world environments to set up Internet-ready caching DNS servers.

Trainees who complete the course will be awarded with a **Certificate of Completion**.

Trainees will also be provided a remote server to carry out the hands on parts of the course and the exercises.

More info at: <https://www.internetsociety.org/inforum/network-operations/>

## Course objectives

The course follows the following schedule:

- Learn about and operate a UNIX/Linux operating system in a virtualized environment.
- Develop competences in key networking topics: IPv4 and IPv6.
- Install third-party software on a UNIX or Linux platform using common software management tools.
- Work with the UNIX/Linux shell and become comfortable with the command line interface.
- Edit files in UNIX/Linux environments without Graphical User Interfaces (GUI).
- Understand the role of the Domain Name System (DNS) in the operation of the Internet.
- Build and activate a caching Domain Name System (DNS) server.
- Learn about the Internet Engineering Task Force (IETF) and the Request for Comments (RFC) process

## Who Should Attend

Novice/entry level network engineers and system administrators (from Africa) who are interested in learning about UNIX/Linux, Networking and DNS.

The course is targeted at upcoming network engineers and system administrators from Research Education Networks (RENs), Network Operator Groups, Universities, ccTLD registries or Internet Service Providers (in Africa).

## Our Certified Participants

Meet our certified Participants who complete the online course successfully. □

## Participants' Feedback

What former participants say about the courses.

## Language

Language of instruction will be English.

## Moderation and Online Support

This course will be moderated by **Eng. Manhal Mohamed.** and assisted by **Eng. Abdulrahman Mohammed Hassan.**

Online remote support is available via Email or Telegram and also via Jitsi meet

## Offline Content

Offline training materials are available and are frequently updated.

## Registration Form

[https://docs.google.com/forms/d/e/1FAIpQLSd7MR1UkX4NoTS0OnHYeJCFCUxarBzuzIz3xpMxkawevBCQIg/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSd7MR1UkX4NoTS0OnHYeJCFCUxarBzuzIz3xpMxkawevBCQIg/viewform?usp=sf_link)

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Revision #2

Created 28 October 2024 14:08:21 by sara

Updated 28 November 2024 13:10:52 by sara