



Linux System Administration and IP Services

Welcome, Introductions and Workshop Details

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Instructor Team

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Noah Maina	SEACOM
Damas Makweba	TERNET

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Logistics

Local Workshop Server

<http://www.ternet.or.tz>

Final workshop documentation

<https://nsrc.org/workshops/2013/ternet-openu-systems/wiki/Agenda>

Wireless Network

SSID for this workshop is **TER-5**, **TER-2.4**, and the key is “888888888888” – ten times the number 8

Week Schedule

Day	Topic
Monday	Welcome, Introductions, Workshop details and logistics. Layers 1/2/3 Refreshers
Tuesday	Intro to Linux, Commands & CLI, Permissions, Editors (vi)
Wednesday	TCP/IP, DNS (Essentials, Operations and Authoritative)
Thursday	Scripting Basics, Security – Cryptography & SSH, Apache and Apache with SSL
Friday	Mail systems, network Engineering Roundtable, Summary, Q&A, Exams, Evals

Day Schedule

Time	Activity
0900-1030	Morning Session 1
1030-1100	Break
1100-1300	Morning Session 2
1300-1400	Lunch
1400-1530	Afternoon Session 1
1530-1600	Break
1600-1730	Afternoon Session 2

Virtual machine access

There are two users on your virtual machines (vm1-vm30)

General User

sysadm

Administrative User

root

Passwords are or will be written down in class

A Few Conventions...

In the exercises:

- If you see a “\$” then execute the command as a regular user (*sysadm* user).
- If you see a “#” then you should use `sudo` to execute the command as the *root* user. You do not need to use `sudo` if you already are root!
- There *will* be a (very, very) few typos. Be on the lookout and let us know!
- Some exercises *do not* give you all the steps! This is on purpose to let you apply newly found skills 😊

Questions

Do you have any questions?