Campus Network Design Workshop

Introduction & Logistics

4 – 8 April 2016

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Network Startup Resource Center

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ᴵ

ᴵ Research and Education Network for Uganda (RENU)

Instructor Team

Name	Organization (Country)
Emmanuel Mukwesa	ZAMREN (Zambia)
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Brian Masiga	RENU (Uganda)
David Gaamuwa	MAK (Uganda)
Perez Matsiko	UCU (Uganda)
Sarah Kiden	UCU (Uganda)
Catherine Atuhaire	RENU (Uganda) - Logistics

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Logistics

- Wireless Network
    - SSID for this workshop is NSRC
    - Network operates at both 2.4GHz and 5GHz
    - The key is "8888888888" – ten times the number

- Final workshop documentation
https://nsrc.org/workshops/2016/renu-iuiu-cnd/

Week Schedule

Day	Topic
Monday	Layer 1-2-3 Refresher, Campus Network Design Principles & Best Practices, Campus Network Cabling, Cabling Installation Hints
Tuesday	STP & VLANS, IP Addressing, Static Routing
Wednesday	Campus Network Core Routers, Network Migration Planning & DHCP, Building a flat network
Thursday	Migrating flat-to-routed network, Network Migration & Planning (Case Study)
Friday	Campus Network Design Presentations

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Day Schedule

Time	Activity
08:30-10:30	Morning Session 1
10:30-11:00	Break
11:00-13:00	Morning Session 2
13:00-14:00	Lunch (outside)
14:00-15:30	Afternoon Session 1
15:30-16:00	Break
16:00-18:00	Afternoon Session 2

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Switch & Routing Practice

- There are two exercise environments
    - Virtual routers/switches (dynamips)
    - Real switches & routers
- You will use both *ssh* and *telnet* to access these devices from your laptop
- You will be working in groups

Key for Success

- Remember, this workshop is for you!

  - If you do not understand or have questions, ask for clarification
  - Please share your thoughts and experiences. They are valuable
  - Take advantage of the event to meet your colleagues and build the "human network"

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Questions?

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Introductions

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