

# Campus Network Design

## Introduction and Logistics

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# Instructor Team

Name	Organization (country)
Simon Misa	University of Rwanda (Rwanda)
Patrick Okui	NSRC (Uganda)



# Student introductions

- Split into pairs, preferably with someone you have not met before.
- You will each be given 5 minutes to learn basics about your colleague.
- Each pair will then come up and introduce the other person in their party.

# Logistics

- Local Workshop Server
  - <http://noc.ws.nsrc.org>
- Final workshop documentation
  - <http://nsrc.org/workshops/2015/nsrc-rwednet-cnd/>
- Wireless Network
  - SSID for this workshop is **NSRC**, and the key is “888888888888” – ten times the number 8



# Week Schedule

Day	Topic
Monday	GNS3 introduction, installation, and concepts
Tuesday	Introduction to Cisco Essentials Layer 2 and Layer 3 Theory and Labs
Wednesday	Layer 2 and Layer 3 Theory and Labs continued
Thursday	DNS and DHCP services and their impact Campus Network Design and Roundtable
Friday	Network Documentation Wrap up and close



# Day Schedule

Time	Activity
0900-1030	Morning Session 1
1030-1100	Break
1100-1300	Morning Session 2
1300-1400	Lunch
1400-1600	Afternoon Session 1
1600-1630	Break
1630-1800+	Afternoon Session 2

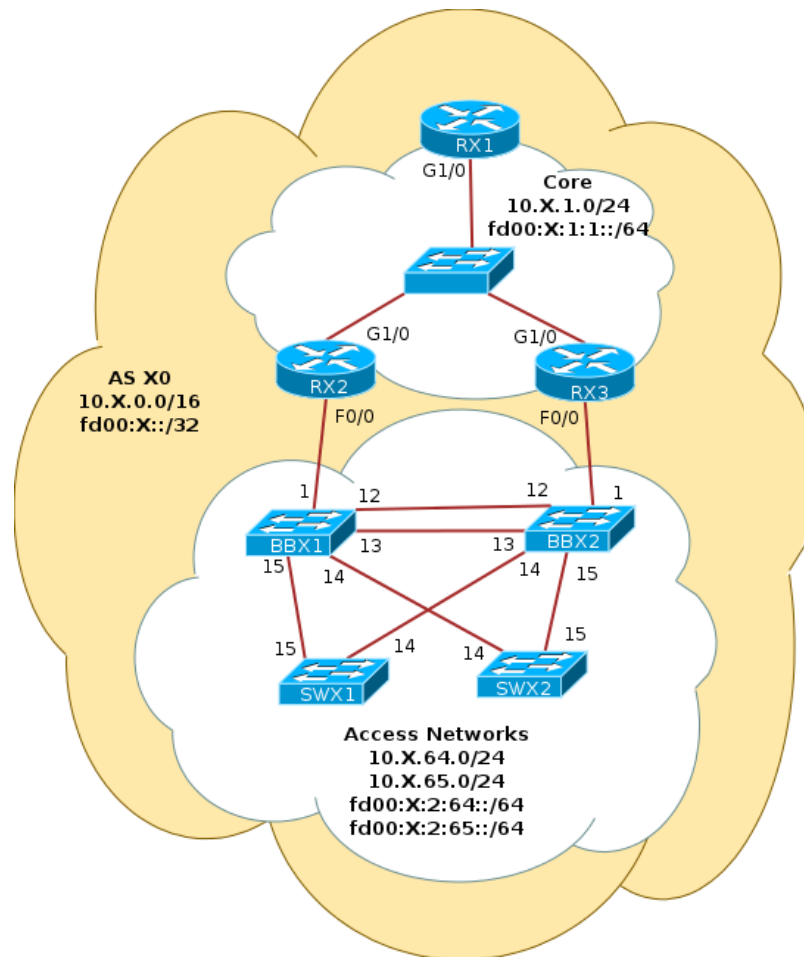
# Switching & Routing Practice

We have three environments

1. GNS3 environment installed on your personal computers
  2. Local, virtual lab of Routers with Virtual PCs
  3. Physical routers and switches
- You will use ssh, telnet, and console cables to access these devices.
  - You will work in groups



# Topology



# 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”



# Questions

Do you have any questions?