

# Advanced Routing Workshop

## Introduction and Logistics

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UNIVERSITY OF OREGON



# Sponsors

- UbuntuNet Alliance
- Internet Society (ISOC)
- Network Startup Resource Center (NSRC)
- USA National Science Foundation
- Eduroam
- University of Oregon

# Instructor Team

Name	Organization (country)
Patrick Okui	NSRC (Uganda)
Kevin Chege	ISOC (Kenya)
Mr. Blaž Divjak	Eduroam (Slovenia)



# Logistics

- Local Workshop Server
  - <http://noc.ws.nsrc.org>
- Final workshop documentation
  - <https://nsrc.org/workshops/2013/ubuntu-nsrc-isoc/wiki>
- Wireless Network
  - SSID for this workshop is **NSRC**, and the key is “888888888888” – ten times the number 8



# Week Schedule

Day	Topic
Monday	Introduction to Cisco Essentials Layer 2 and Layer 3 Theory
Tuesday	OSPF, intro to BGP
Wednesday	BGP exercises and Policy
Thursday	BGP Multihoming
Friday	Eduroam



# Day Schedule

Time	Activity
0830-1030	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 two environments

1. Remove lab of switches and routers at the University of Oregon
  2. Local, virtual lab of Routers with Virtual PCs
- You will use both ssh and telnet to access these devices.
  - You will work in groups

# REN Router Practice

- You will work in six groups
- Each group will have two routers.
- Please select your group now



# 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?