

Introduction & Logistics

Campus Network Design & Operations Workshop



These materials are licensed under the Creative Commons Attribution-NonCommercial 4.0 International license
(<http://creativecommons.org/licenses/by-nc/4.0/>)



UNIVERSITY OF OREGON



Sponsors

- Network Startup Resource Center (NSRC)
- USA National Science Foundation (NSF)
- Google
- University of Oregon
- <insert names of other sponsors>



UNIVERSITY OF OREGON



Instructor Team

Name	Organization (Country)
First Last	NSRC (country)
First Last	NSRC (country)
First Last	NSRC (country)
First Last	NSRC (country)



UNIVERSITY OF OREGON




Logistics

- Wireless Network
 - SSID for this workshop is NSRC24 and NSRC5
 - Network operates at both 2.4GHz and 5GHz
 - The key is “8888888888” – ten times the number 8
- Local Workshop Server (during workshop only)
 - **www.ws.nsrc.org**
 - Or: 100.64.0.1
- Final workshop documentation
 - <https://nsrc.org/workshops/YYYY/workshop-name>



www.ws.nsrc.org

← → ↻ Not Secure ws.nsrc.org ☆ 4 🔍 📄 📌 ⌵

**NSRC**
Network Startup Resource Center

Campus Network Design and Operations

Agenda Downloads NOC ▾ Archived workshops

Campus 1

Console ▾ SSH ▾ Web ▾

Campus 2

Console ▾ SSH ▾ Web ▾

Campus 3

Console ▾ SSH ▾ Web ▾

Campus 4

Console ▾ SSH ▾ Web ▾

Campus 5

Console ▾ SSH ▾ Web ▾

Campus 6

Console ▾ SSH ▾ Web ▾

Transit

Console ▾ SSH ▾



UNIVERSITY OF OREGON

*Check you can see this.
Ask for help if you cannot.*



Agenda

- Go to **www.ws.nsrc.org** and click on "Agenda" at top left for the full schedule, presentations and lab exercises
- May be amended as we proceed



UNIVERSITY OF OREGON



Schedule

- This is a 5 day workshop
- Lots to do, please arrive on time each day
- Please ask questions!
 - If you don't understand something, probably many others don't either
 - There are no stupid questions!
- Help each other
- Mobile phones OFF or on SILENT
 - If you need to receive or make calls, please do so OUTSIDE the room



Daily Schedule

Time	Activity
09:00-10:30	Morning Session 1
10:30-11:00	Break
11:00-12:30	Morning Session 2
12:30-14:00	Lunch (outside)
14:00-15:30	Afternoon Session 1
15:30-16:00	Break
16:00-17:30	Afternoon Session 2



UNIVERSITY OF OREGON



Switch & Routing Practice

- The exercise environment is based on GNS3 and KVM
 - Virtual routers/switches (Cisco IOS)
 - Virtual hosts (Linux servers)
- You will access these devices via the web interface
- You will be developing your own campus networks
- You will be working in campus 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”



UNIVERSITY OF OREGON



Questions?

This document is a result of work by the Network Startup Resource Center (NSRC at <https://www.nsrc.org>). This document may be freely copied, modified, and otherwise re-used on the condition that any re-use acknowledge the NSRC as the original source.



UNIVERSITY OF OREGON

