Systems Administration

Network Startup Resource Center
www.nsrc.org

UNIVERSITY OF OREGON

NSRC
Network Startup Resource Center

Course objectives

- Learn systems administration best practices using tools and techniques to...

    - Deploy   → Installation and basic configuration

    - Manage   → Create users, install & configure packages

    - Secure   → Close unused services, secure active services, filter ports

    - Monitor   → Control server & service availability

    … Linux/UNIX servers (physical or VM)

- Do this in a reliable and repeatable manner

    - Automate!

Instructors

- **Fanta Bouba**   Network Startup Resource Center
  - Chad / Sénégal

- **Brian Candler**   Network Startup Resource Center
  - United Kingdom

- **Phil Regnauld**   Network Startup Resource Center
  - France / Denmark

Schedule

Session 1	08:30 – 10:00
Break	10:00 – 10:30
Session 2	10:30 – 12:00
Lunch	12:00 – 13:30
Session 3	13:30 – 15:00
Break	15:00 – 15:30
Session 4	15:30 – 17:00

UNIVERSITY OF OREGON

NSRC
Network Startup Resource Center

Course materials

- Schedule, materials & downloads:

- http://www.ws.nsrc.org/ (http://10.10.0.248)

- Course Wiki

  - Course overview:

    http://www.ws.nsrc.org/workshops/2015/rwnog/wiki/Track2Information

  - Agenda

    http://www.ws.nsrc.org/workshops/2015/rwnog/wiki/Track2Agenda

UNIVERSITY OF OREGON

NSRC
Network Startup Resource Center

Server groups

- Each participant (up to 30) will manage 4 servers:

    - User 1: **host1**, host2, host3, host4.ws.nsrc.org

    - User 2: **host5**, host6, host7, host8.ws.nsrc.org

    - …

    - User 29: **host113**, host114, host115, host116.ws.nsrc.org

    - User 30: **host117**, host118, host119, host120.ws.nsrc.org

- The machine in **red** is your management server

- This machine will be used to manage and monitor the others

- The IP of each machine will be of the form "10.10.0.**X**"

UNIVERSITY OF OREGON

NSRC
Network Startup Resource Center

Accessing your server

- Accessing the wireless
  - The SSID and password will be written on the board
- Accessing the servers
  - You will log in using **SSH** (Putty, on windows)
  - The username is **sysadm**
  - We'll give you the password in class

Questions?