Cloud / Virtualization Workshop

Welcome

Instructors

- Brian Candler NSRC, UK
- Omo Oaiya WACREN, Nigeria
- Patrick Okui NSRC, Uganda
- Phil Regnauld NSRC, Denmark

Schedule – 5 day course

- Session 1 09:00 – 10:45

  Break 10:45 – 11:15
- Session 2 11:15 – 13:00

  Lunch 13:00 – 14:00
- Session 3 14:00 – 15:45

  Break 15:45 – 16:15
- Session 4 16:15 – 18:00

Overview and objectives

- See http://www.ws.nsrc.org/wiki/Agenda
- This track will provide an overview of virtualization technology with a series of hands-on practical exercises, so that participants will be able to:
  - Build desktop virtualization with VirtualBox
  - Build server virtualization with KVM and libvirt
  - Use file and block shared storage and live VM migration
  - Build redundant VM clusters with Ganeti

Accessing the wireless network

- Network Access:
  - SSID: NSRC24 or NSRC5
  - WPA key given in class

Administrative items

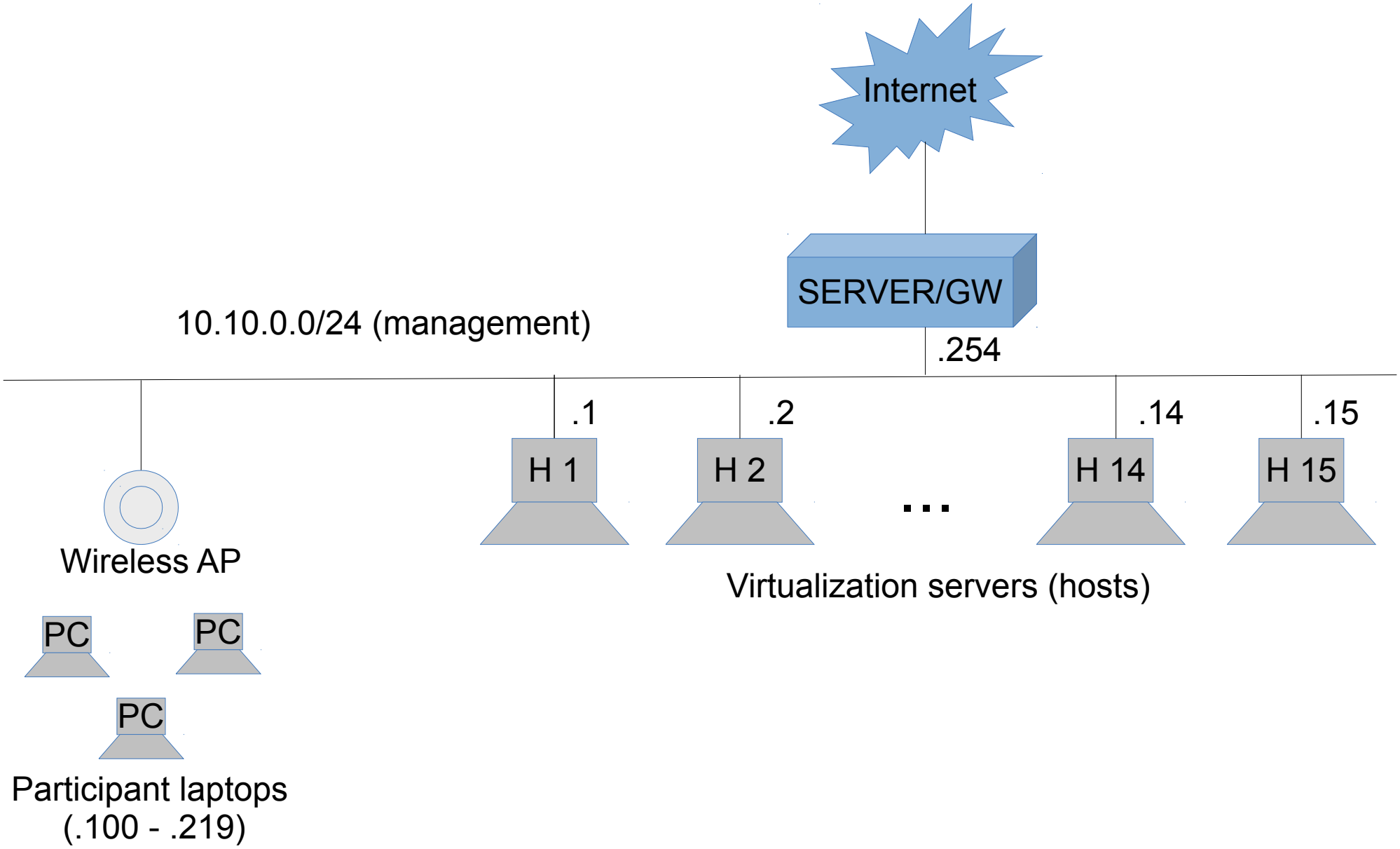
- Course agenda
  - http://www.ws.nsrc.org/
- During the workshop
  - Please ask questions as you go, don't wait
  - Your feedback and experiences are valuable, please share them!
  - We can adjust the schedule
- Course Materials
  - Available in electronic format http://www.ws.nsrc.org/
  - Permanently archived at
  - http://nsrc.org/workshops/2014/wacren-virtualization/

User accounts

- We will be working with two user accounts:
  - A general, low privilege user: ***nsrc***
  - A user with administrative privileges: ***root***

- You will be told which passwords to use during class.

Workshop topology



Teams and Groups

- You will work in teams of 2 people per virtualization host
- One person at a time will do the typing and interacting on the console/keyboard
  - but everyone will have hands-on labs by accessing the virtualization hosts and virtual machine using SSH
- Later, we will join the Teams in Groups of 3 or 4 machines (more on this later)

Questions

- If you have any questions, now is the time!