

Cloud / Virtualization Workshop

Welcome



Instructors

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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

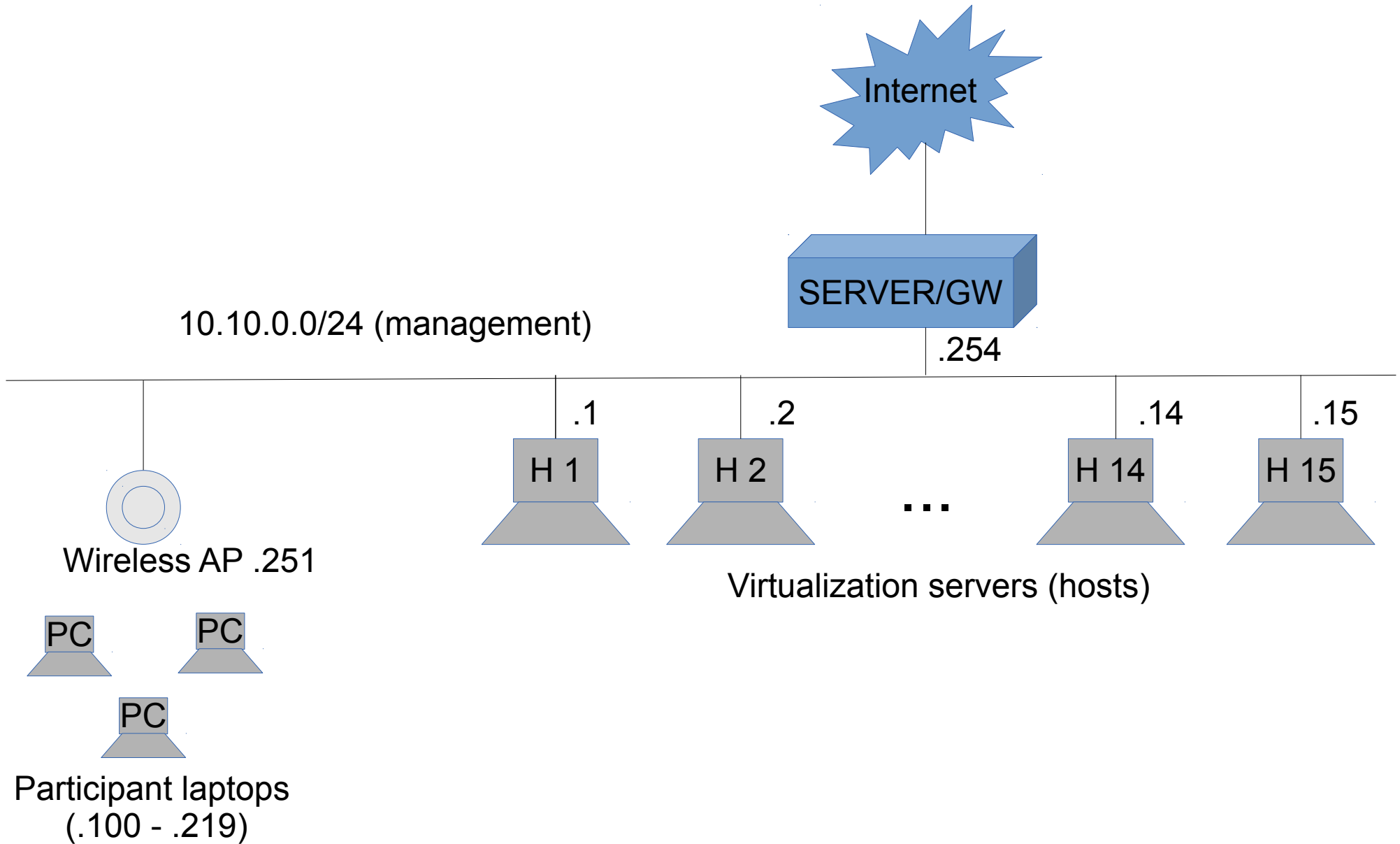
Administrative items

- 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/btnog/>

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!