SDN/OpenFlow Installation

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Agenda

- Environment & housekeeping
- What is SDN and Openflow?
- Understanding Open vSwitch and RouteFlow
- Understanding RYU and SDN applications
- Simple SDN programming
  - python vs IOS or Junos!
- Building a (distributed) switch
- Building a (distributed) router

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Schedule

Original Plan.

Session I	09:00 – 10:30
Break	10:30 – 11:00
Session II	11:00 – 13:00
Lunch	13:00 – 14:00
Session III	14:00 – 15:30
Break	15:30 – 16:00
Session IV	16:00 – 17:30+

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Administrative Items

- **Agenda**
  - http://noc.ws.nsrc.org/

- **During the course**
  - Please ask questions as you have them.
  - Your experiences are valuable. Please share them.
  - The schedule is somewhat flexible.

- **Course Materials**

  - Will be available permanently here:

    http://nsrc.org/workshops/2014/nznog-sdn/

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Virtual machine access

There are two users on your virtual machines (vm1-vm20)

General User
sysadm

Administrative User
root

***Passwords are or will be written down in class***

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Environment & housekeeping

- WIFI details:
  - SSID: nsrc
  - Password: see the whiteboard
  - Security: WPA2
- Pointer to local wiki:
  - https://nsrc.org/workshops/2014/nznog-sdn/wiki
- When in Nelson, the instructors like to drink at the Free House, Collingwood Street

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RouterBoard 532
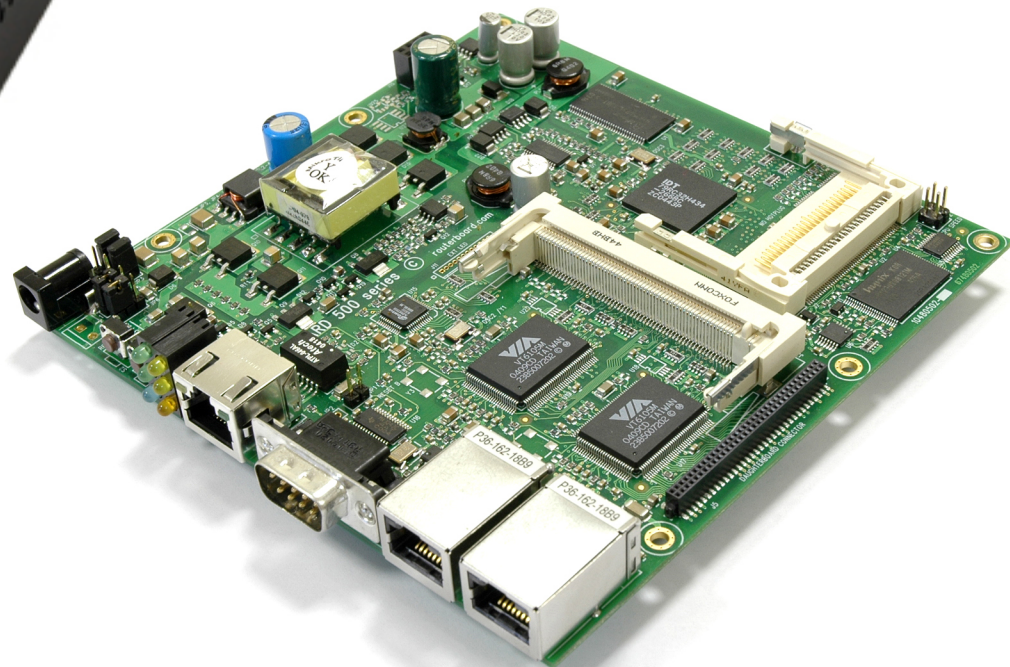
Logical Network Diagram
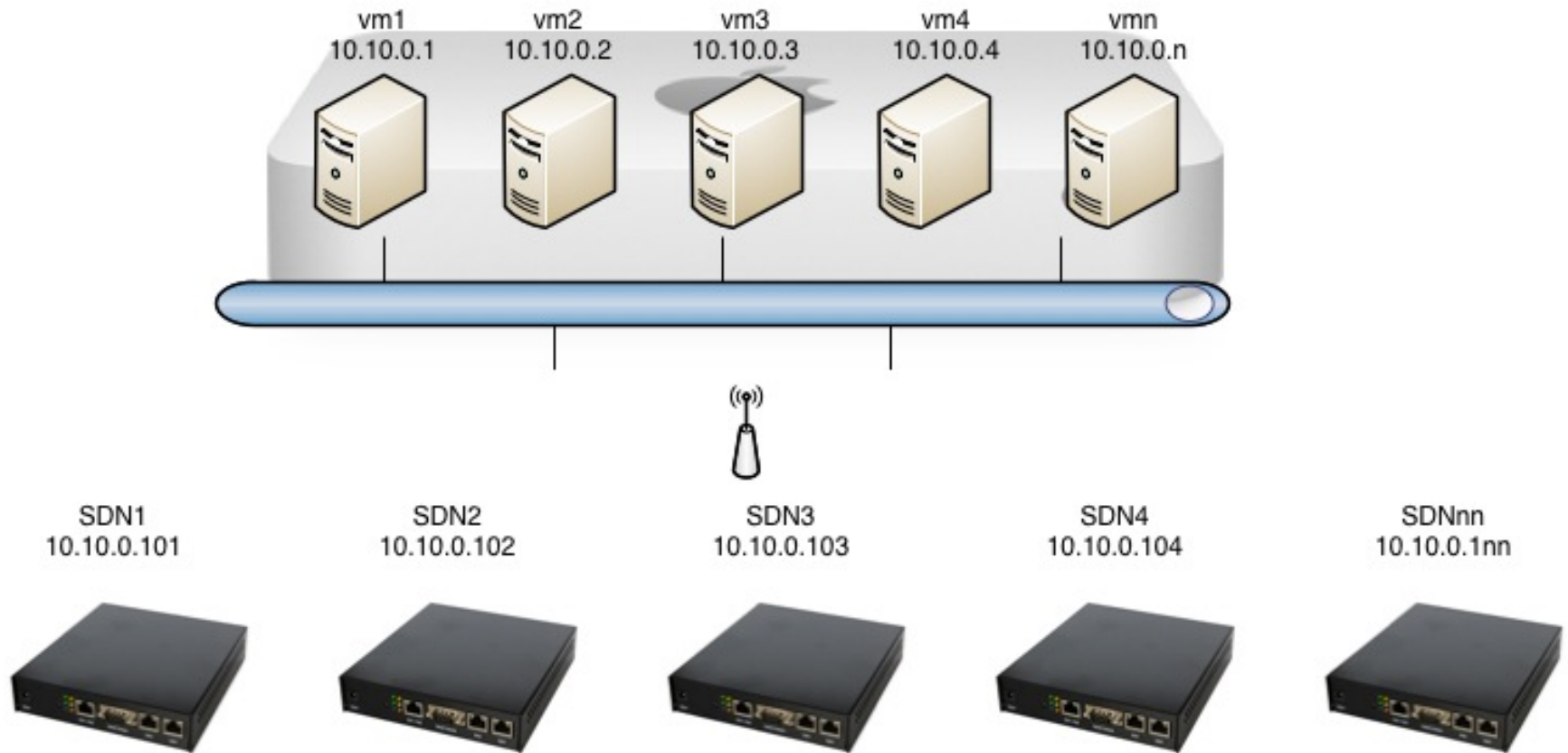
Questions

Do you have any questions?