



Network Monitoring and Management Workshop

Welcome Everyone!

Goals and this week's schedule

- To make everyone comfortable with concepts of monitoring traffic and services on your networks.
- To build our own monitoring stations in class.
- To meet each other and share knowledge amongst ourselves.
 - We *always* learn something new!
- To answer your questions and to have you ask lots of questions as we go along.

Who we are

Hervey Allen

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US living in Chile

Phil Regnauld

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French living in Denmark

Paul Ooi Cong Jen

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Our local helper extraordinaire!

Daily time schedule

Session I	0900-1030
Break	1030-1100
Session II	1100-1230
Lunch	1230-1400
Session III	1400-1530
Break	1530-1600
Session IV	1600-1800

Curriculum

DAY ONE	Topics
I	Welcome and Logistics
	Intro to Network Management
II	Performance Concepts
III	Local and End-to-End Analysis
IV	Cisco Configuration Elements
	MRTG and RRDTool
DAY TWO	
I	SNMP (Simple Network Management Protocol)
II	SNMP continued
III	Nagios
IV	Nagios cont.
DAY THREE	
I	Config Management and Change Controls (SVN)
II	RANCID
III	RANCID cont.
IV	Cacti
DAY FOUR	
I	Log Management: Syslog-NG / Swatch
II	NFSen (Netflow)
III	NFSen (Netflow) continued
IV	Smokeping
DAY FIVE	
I	Ticket Management
II	Ticket Management / Tying it All Together
III	Summary / Q&A / Class Evaluation / Test

Classroom details

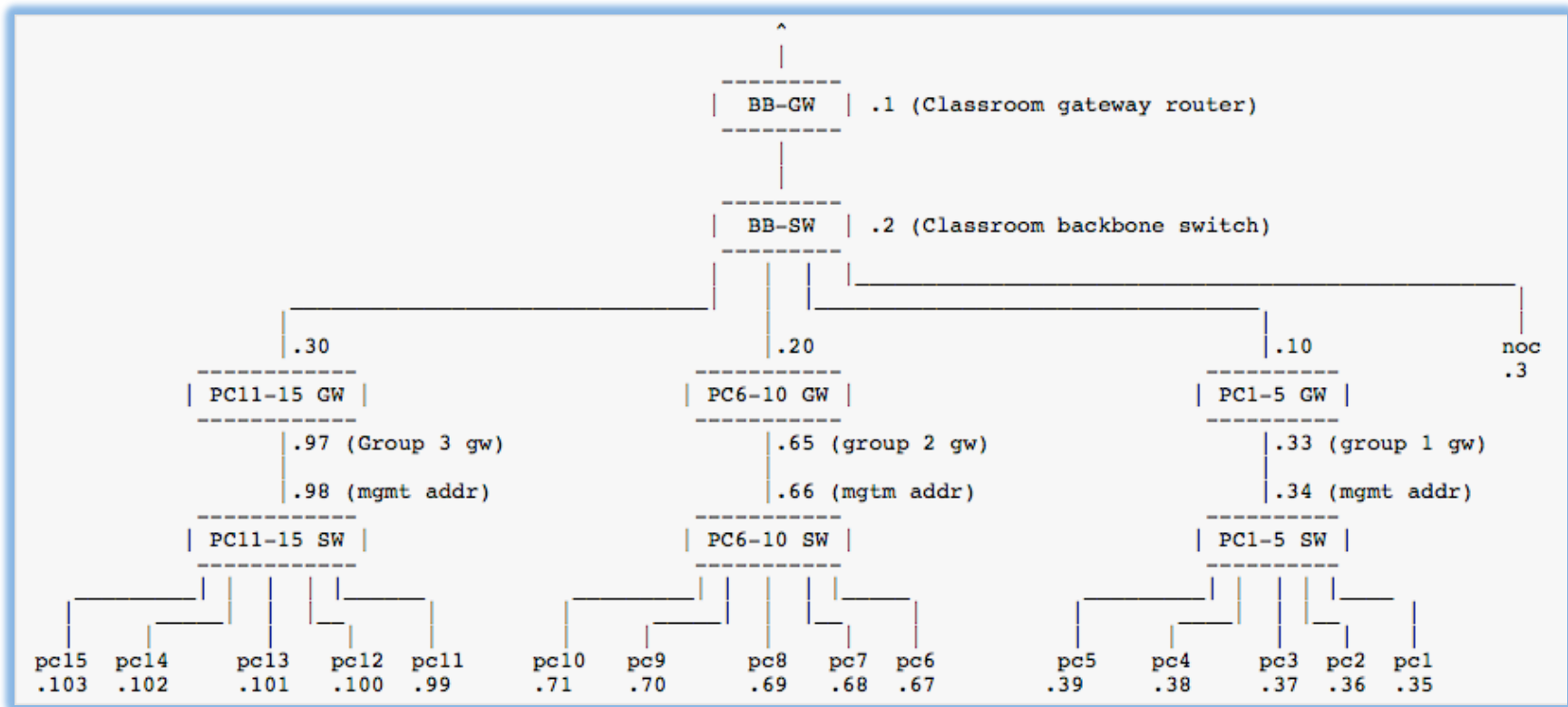
You are all system administrators.

You are in charge of your boxes

To make our lives easier please consider:

- Not changing your *root* or *mgmt* user passwords during the week.
- Not reconfiguring other attendee's machines...
- Practice using the `sudo` command instead of working as *root*.

Our network (for now)



A few conventions...

In the exercises:

- If you see a “\$” then execute the command as a regular user (*mgmt* user).
- If you see a “#” then you can either use `sudo` to execute the command as a regular user, or execute the command as the *root* user.
- There *will* be a (very, very) few typos. Be on the lookout and let us know!
- Some exercises *do not* give you all the steps! This is on purpose to let you apply newly found skills 😊

Our wiki and noc

Diagrams, presentations, schedules, photos, machine information and much more is posted to:

<http://nsrc.org/workshops/2010/apricot/>

You can register on this wiki and update information as appropriate.

Our noc, `noc.mgmt.conference.apricot.net`, is accessible as “noc” or 169.223.142.3

Passwords will be given in class.

Questions?

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