Network Management Workshop Final Exam
APRICOT 2010
Kuala Lumpur, Malaysia

1.) How do we define the concept of jitter in a network connection?

a. The number of packets that travel between two points in a given amount of time?
b. The time required for a packet to travel between two points in a network?
c. The time it takes to place all the bits in a packet on the medium in use?
d. A dance that was popular in the 1920's?
e. The deviation between the time it takes for multiple packets to travel to the same destination on the network?

2.) What community string did we use for SNMP during the workshop?

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3.) What software did we use in the class to help us determine types of traffic (protocol, source ip, …) were passing through our routers?

_____

4.) In just a few words describe the core functionality or strength of each of these network monitoring packages:

Cacti: _____

Nagios: _____

RANCID: _____

RT: _____

NFSen: _____

Smokeping: _____

5.) What is "end-to-end delay"?

6.) What can cause packet loss between two points on the network?

7.) What tool do Cacti, Smokeping use to save host and service information over time and to draw graphs of this information?

8.) What operating system do cats run on ?

9.) If you enable SSH access on Cisco equipment, is telnet always disabled afterwards?

10.) Is the RSA key generated during SSH Cisco key configuration saved in the config file?

11.) What are two advantages of RANCID ?

12.) What version of SNMP is most used ?

13.) Can you tell, using SNMP, whether an interface is down because of a missing link or because the administrator shut it down?

14.) Why would you want to centralize your logs? Give two reasons.

15.) Network monitoring and management involves many tools, processes, configurations, etc… How do you tie all this together?