

Network Monitoring and Management  
Final Exam

- 1.) What command can you use on a Cisco router to see the running configuration?  
- show run? [ ]  
- enable? [ ]  
- copy startup run [ ]
- 2.) What was the SNMP read-only community string (password) used on our routers in class?
- 3.) Do the size of the RRA files that are used to graph in Cacti, Observium, Smokeping and NfSen grow over time?

Yes [ ] No [ ]

- 4.) Please draw lines from the core functionality on the left to the Network Monitoring software on the right that best corresponds.

- Performance X X Nagios  
- Reliability X X SmokePing  
- Availability X X Cacti

- 5.) Your DSL or Wireless link is not stable. Name two tools that you could use to determine what is going on.

Why did you pick these tools?

- 6.) If you have two 100 Mbps circuits, which are:  
a.) 1 km of optic fiber  
b.) Via satellite with a distance of 35,000 km between the base and the satellite

For two packets of the same size which will have the larger transmission delay?

Circuit a [ ]  
Circuit b [ ]  
Neither [ ]

Propagation delay?

Circuit a [ ]  
Circuit b [ ]  
Neither [ ]

- 7.) What type of data does NfSen process to display information about traffic on a router or a switch?

NetFlow flows [ ]  
UDP packets [ ]  
icmp echo requests [ ]

- 8.) Can RANCID store configuration information for devices other than Cisco devices?

Yes [ ] No [ ]

- 9.) Is the UDP protocol a connection-oriented [ ] or connectionless protocol [ ]? Check one.

Is this a good, or bad thing? Yes [ ] No [ ] Depends [ ]