

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.
- 10.) Is this a good, or bad thing? Yes ☐ ☐ No ☐ ☐ Depends ☐ ☐