

Network Management and Automation

Final Review

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Network Design Feedback

Test Format – Two Parts

- Part 1 Practical Exam
 - Networking Engineering Challenge (similar to previous coding challenge)
- Part 2 Written Exam
 - 50 Questions
 - 75 minutes
 - Multiple Choice
 - 2 points
 - Short Answer
 - Single Answer (3 points)
 - Long/Multiple Answer (5 points)
 - Read questions carefully

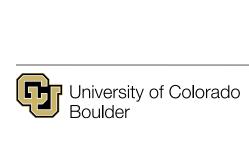
Exam Material – Entire Semester

- Assignments
- Quizzes
- Readings
- Labs
- Discussions
- Lecture Material
- This exam is a summary of everything you should have learned throughout the semester on the topic of:
 - Network Management and Automation

Exam Main Topics

- Wireshark / Protocol Analyzers
- SNMP
 - Technology; v1, v2, v3
- IPv4 Addressing
 - Subnetting
- DHCPv4 and DHCPv6
- NETCONF & YANG
- SDN/NFV

- Network Design
- IPv6
 - Multicast
 - ND
 - DAD
 - EUI-64
 - SLAAC
 - v6 addresses
 - Transition mechanism
- Network Automation/DevOps

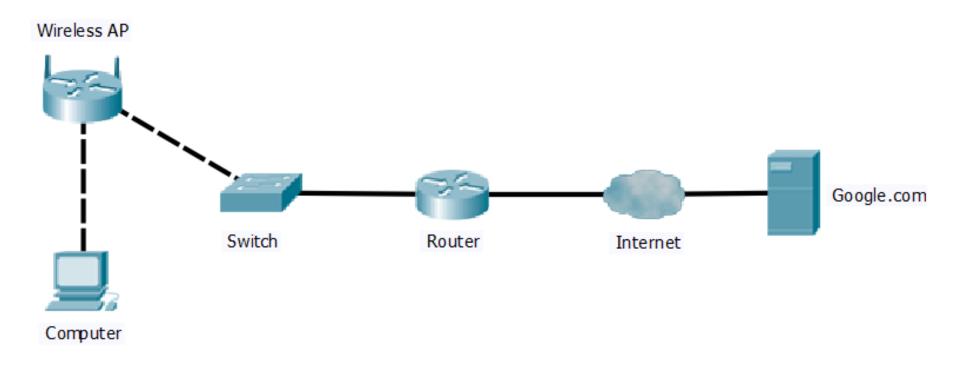


Question – What are five best practices to transition from traditional to SDN?



Question – Why would you want to automate yourself out of a job?

Question – Wireless User Can't Load Web Pages



Question – Give a scenario when you would prefer using TCPDUMP instead of a GUI/Wireshark

Question – Explain how traceroute works

Question – What happens when I want to get to www.google.com?

Summary

- Summary of Course
 - Broad topic
 - Writing is important
- Network with your peers
 - Faculty



Questions?