Instructions

Schedule a Time for NETLAB+

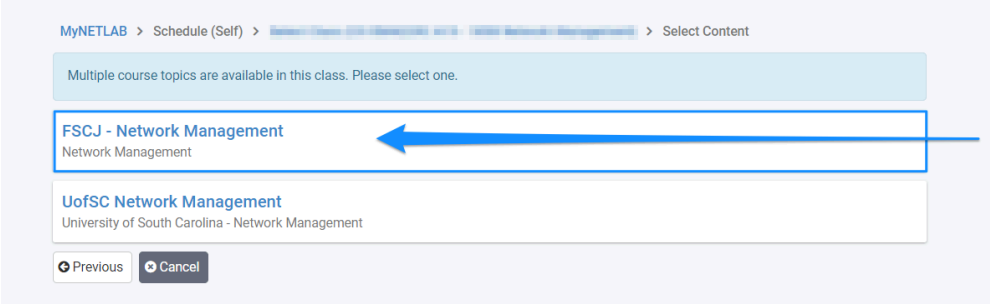
Before logging into NETLAB+, schedule a time for a virtual computer.

The NETLAB+ environment requires you to have a unique username, password, and URL that is unique to this class. Even if you have access to NETLAB+ in another course, you must use the username, password, and URL provided in this course to be able to do the lab. The lab environment has been created to be specific to this course.

Important: Ensure you've read the "Read Me Next — Registration and Login Instructions for NETLAB+" entirely before beginning labs.

Select “FSCJ - Network Management” to complete

- Module 3 Labs 1–2
- Module 4 Labs 3–4
- Module 5 Labs 5–6



All of these labs are performed on a computer in an environment called NETLAB+, which has a virtualized computer that does **not** save your configuration. Each time you create a new reservation, the computer is like the operating system has just been loaded, meaning no previous work is available.

Complete the following labs by downloading, reading, and following the corresponding lab instructions within the NETLAB+ environment.
Questions with the words **[screenshot]** beneath them require you to take a screenshot of your screen when that step is completed; you will upload that screenshot to the related question.

- Module 4 Lab 4: SNMP Operations Using a MIB Browser (Using a Manager on the Network) Instructions ↓

You will be asked to perform the following:

- **Answer** multiple-choice, fill-in-the-blank, and essay questions.
- **Upload** screenshots.

Submission

As you progress through the lab, please ensure that you **answer the ten questions** and save your responses as you go. Once you have answered all ten questions, please click the "Submit Quiz" button to complete the quiz.

Grading

Module 4, Lab 4, is worth 30 points toward your final grade.

Looking for more help?

Academic Support Student Services Technical Support
Services for Students with Disabilities Library Learning Commons

This quiz was locked Oct 6 at 11:59pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	85 minutes	30 out of 30

Correct answers are hidden.

Score for this quiz: **30** out of 30
Submitted Oct 6 at 10:15pm
This attempt took 85 minutes.

Question 1

3 / 3 pts

What subnet mask did you type into PC2?

255.255.255.0

Question 2

3 / 3 pts

What default gateway did you assign to PC1?

172.16.3.254

Question 3

3 / 3 pts

Which reply did you get?

- ○ Success
- ○ Fail
- ◉ Reply from 172.16.3.254

- Request timed out

Question 4

3 / 3 pts

What command did you use to verify connectivity to the server? Write the full command.

ping 172.16.1.10

Question 5

3 / 3 pts

How does router R1 show successful connectivity to the NMS manager when you tested it with a command?

- Reply from 172.16.2.5
- (•) Exclamation marks
- Success!
- Connected

Question 6

3 / 3 pts

How many interfaces does R2 have?

- 2
- 3
- (•) 5

- 6

Question 7

3 / 3 pts

From within the routing table of R2 as shown in the MIB ipRouteTable section. Take a look at the different destination routes the router knows about through its routing protocol (which is how routers notify one another of what networks they know and each router builds its own Layer 3 routing table based on what networks it has attached and what it learns from the other routers inside the company). Notice how the first entry is the 10.0.0.0 network and the second entry is the 10.0.0.4 entry.

Use the ipRouteNextHop MIB entry to find out what the next hop or the next router's (hop) IP address in order to send a packet that is destined for the 10.0.0.4 network. It will be the second value shown in the table. What is the next hop value for the 10.0.0.4 network found in the R2 routing table based on the information in the MIB table?

- 0.0.0.0
- 10.0.0.1
- 172.16.2.254
- (selected) 10.0.0.10

Question 8

3 / 3 pts

What is the value found within the sysContact OID of the R3 MIB?

- CSchmidt

- EFriend
- BYang
- (•) There is no value. The value box is blank.

Question 9

3 / 3 pts

RIP, OSPF, and EIGRP are routing protocols commonly used within any organization that uses a routing protocol. Since these routers are using the OSPF routing protocol, use the ospf section of the MIB to see information that relates to the OSPF routing protocol being used on R3.

The OSPF neighbor table is built when two adjacent routers have been configured with OSPF and the network between them is included in the OSPF configuration. Use the ospfNbrTable OID and drill down to find the ospfNbripAddr so you can see the IP addresses of router R3's OSPF neighbors.

What are the two IP addresses of R3's OSPF neighbors found in the R3 MIB? (Choose two.)

- [x] 10.0..0.9
- [ ] 10.0.0.1
- [ ] 172.16.3.254
- [x] 10.0.0.5
- [ ] 10.0.0.2
- [ ] 172.16.2.254

Question 10

3 / 3 pts

Take a screen shot where you use the GET command to retrieve the System Contact information you set to show that it truly has been changed on router R1. You can use the Windows snipping tool or any other screen shot tool to obtain this capture so you can upload it for this question. You have to prove to the instructor that the information has been changed using the MIB Browser.

Screenshot 2024-10-06 at 10.15.09 PM.jpg