Module 3 Lab 2: SNMP Operations Using MIB Browser

Due Sep 22 at 11:59pm **Points** 30 **Questions** 11
Available until Sep 29 at 11:59pm **Time Limit** None

Instructions

Schedule a Time for NETLAB+

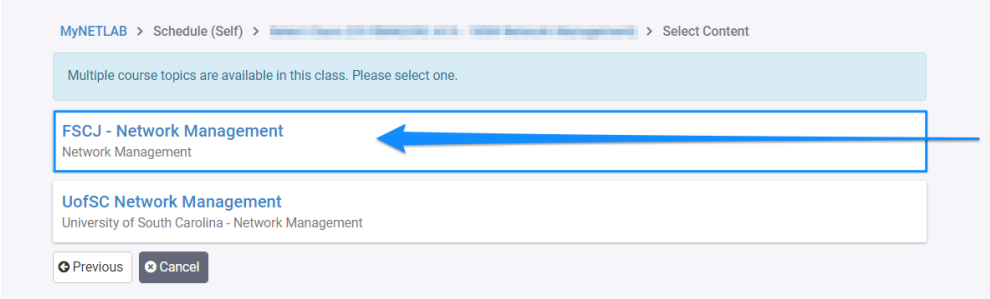
Before logging into NETLAB+, schedule a time for a virtual computer.

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 3 Lab 2: SNMP Operations Using MIB Browser ↓

You will be asked to perform the following:

- **Answer** multiple-choice questions and essay questions.
- **Upload** screenshots.

Submission

As you progress through the lab, please ensure that you **answer the 11 questions** and save your responses as you go. Once you have answered all 11 questions, please click the "Submit Quiz" button to complete the quiz.

Grading

Module 3, Lab 2, 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 Sep 29 at 11:59pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	270 minutes	30 out of 30

Correct answers are hidden.

Score for this quiz: **30** out of 30
Submitted Sep 22 at 7:18pm
This attempt took 270 minutes.

Question 1

2 / 2 pts

What OID is shown in the OID field?

.1.3.6.1.2.1.1

Question 2

2 / 2 pts

What is the OID shown?

.1.3.6.1.2.1.1.4

Question 3

2 / 2 pts

What is the MIB shown?

RFC1213-MIB

Question 4

2 / 2 pts

In your own words, describe the purpose of the MIB in at least one complete sentence. **Note that 0 (zero) points will be awarded for the entire lab if you copy your answer from somewhere**. Grammar counts.

Your Answer:

The MIB, or Management Information Base, is really just a tool that helps SNMP (Simple Network Management Protocol) keep track of everything happening in a network. Think of it like a phone book. It has all the important details about the devices in the network, like their names, what they're doing, and how they're connected. When SNMP needs to check on something, like if a device is working properly, it doesn't guess. It just looks up the right information in the MIB. This makes managing the network smoother because everything SNMP needs is right there in one place, ready to go. And because the MIB is organized, SNMP doesn't waste time—it knows exactly what to look for and where to find it.

Question 5

2 / 2 pts

What is the value for the IP:Port entry?

- (●) 127.0.0.1:161
- ( ) 192.168.10.2:529
- ( ) Ethernet0
- ( ) Loopback1

Question 6

2 / 2 pts

What UDP port number is being used to obtain this information?

- 127
- 127.0.0.1
- 161
- 192.168.10.2

Question 7

2 / 2 pts

What message is in the window that appears?

- SET succeeded
- Success
- Completed
- Successful change

Question 8

2 / 2 pts

What type of value is within the "Value" column within the MIB object called snmpInTraps? Note you will have to navigate and expand the "snmp" section within the MIB browser to locate, select this item, and "get" the information in order to see its value.

- 1
- 3
- 2
- 0

Question 9

2 / 2 pts

Use the "Walk" the tree operations type for the following value:

ifTable

Type ALL of the values of the ipAdEntAddr entries.

Your Answer:

127.0.0.1

169.254.177.220

192.168.4.25

1

5

7

255.0.0.0

255.255.0.0

255.255.255.0

1

1

1

65535

65535

65535

Question 10

2 / 2 pts

On your own, use the "Subtree" operations type for the following value:

ifTable

What is the value of ifDescr.5?

- (●) Intel(R) 82574L Gigabit Network
- ( ) Teredo Tunneling Pseudo-Interface
- ( ) Microsoft ISATAP Adapter
- ( ) Software Loopback Interface

Question 11

10 / 10 pts

Use the Get Next, Get, Get Bulk, Get Subtree, Walk, or Set Operations options to retrieve information about the two OIDs you select. Write down their textual and numeric names, data types, and results.

Your Answer:

First OID

- **Textual Name**: `ipAdEntAddr.127.0.0.1`
- **Numeric Name**: `1.3.6.1.2.1.4.20.1.1.127.0.0.1`
- **Data Type**: `IpAddress`
- **Result**: `127.0.0.1`

Second OID

- **Textual Name**: `ifSpecific.14`
- **Numeric Name**: `1.3.6.1.2.1.2.2.1.22.14`
- **Data Type**: `OID`
- **Result**: `0.0`

Quiz Score: **30** out of 30