



- Pour Commencer
- Week 0:
Introduction to Network and Service Management
- ▼ Week 1: Key Concepts with SNMP

Overview of the Content


Lecture 1: Management System Architecture

Lesson_Quiz 


Lecture 2: Management Information

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Lecture 3: Overview of SNMP

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Lecture 4: Examples and Tools

Lesson_Quiz 

Practical Exercise 1: SnmpWorkshop Basics

Practical_Exercise_Quiz 

Practical Exercise 2: Our First SNMP Agent

Practical_Exercise_Quiz 

Practical Exercise 3: A Better SNMP Agent

Practical_Exercise_Quiz 

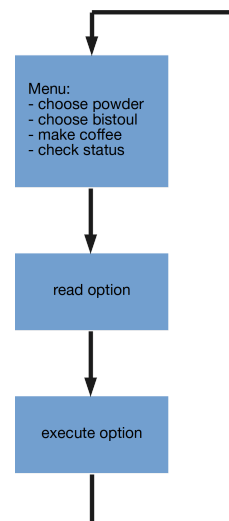
PRACTICAL EXERCISE 4 (W1_PE4): THE SNMP MANAGER

This practical exercise consists in complementing our SNMP agent with an SNMP manager.

Up to now, all available intelligence was within the agent's implementation, whereas the manager role was only supported by a simple MIB browser.

We are now going to manage the SNMP coffee pot through a dedicated manager application with a comfortable (although textual) user interface.

The objective of this part of the lab is therefore to execute a (ready-made) manager that will run in the following loop:



Manager loop.

The procedure is as follows:

- Start a new non-root terminal and travel to the lab root; load the environment variables:

```
$ cd /home/user/snmp-lab/SnmpWorkShop-nojava
$ source set_envt.sh
```

- Go to the *manager* folder and use the `build_all` command to build the Manager application:

```
$ build_all
```

- Start the manager with the `start_application` command:


```
$ start_application
```

Practical_Exercise_Quiz

Evaluations

Week_Evaluation

Échéance le avril 10,

2022 at 22:00 UTC **Aidez-nous à
améliorer ce
MOOC**

- ▶ Week 2:
Monitoring with
Nagios
- ▶ Week 3:
Instrumentation
with JMX
- ▶ Week 4: Next-
Generation
Management
Protocols
- ▶ Votre avis nous
intéresse

manager).

QUESTION W1.PE4.1 (1/1 point)

Make a cup of virtual coffee with the Manager application. Check that the water level is displayed by the latter. Make a second cup, and repeat again and again. After a while, the Manager won't make any more coffee.

What happened? (NA=1)

- ☐ The Manager has calculated that there is no more water
- ☐ The Agent has exhausted its water, so it just blocks further requests.
- ☒ The Manager checks the water level before actually requesting coffee. ✓

Correct: Yes! Check the ExampleApplication.java code to see that you're right.*Vous avez utilisé 2 essais sur 3*

At the end of this exercise, you can simply shutdown the Agent and the Manager by typing CTRL+C, and close the different terminals you have opened. Congratulations, you have finished the different practical exercises of this week.

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