

- ▶ 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

Lesson_Quiz

Lecture 3: Overview of SNMP

Lesson_Quiz

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: The SNMP Manager

Practical_Exercise_Quiz

Evaluations

Week_Evaluation Echéance 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

QUIZZ W1_L2 (7/7 points)

Rappel : la valeur NA indiquée à la fin de chaque question correspond au nombre de réponses attendues.

Question W1.L2.1: How is structured Management Information? (NA=1)

- ☒ Written in ASN.1, following SMI standard, organized in a tree ✓
- ☐ Written in XML, following object standard, organized in a tree
- ☐ Written in ASN.1, following SNMP standard, organized in a graph

Question W1.L2.2: What is a Management Information Base? (NA=1)

- ☒ An entity that defines variables to be modified or monitored for a given managed device ✓
- ☐ A large database where to store all the management information of a network
- ☐ An information related to the management of a data base

Question W1.L2.3: What are the difference between a Gauge32 and a Counter32 as SMI's scalar types? The answer can also be found in the following RFC: <https://tools.ietf.org/html/rfc2578#section-7.1.6> (NA=2)

- ☒ Counter32 can overflow when Gauge32 cannot
- ☐ Counter32 can decrease when Gauge32 cannot
- ☐ Gauge32 is more sensitive than Counter32
- ☒ Gauge32 can decrease when Counter32 cannot



Question W1.L2.4: What is true about SMI Naming Tree? (NA=2)

- ☒ Leaves are managed object Ids
- ☐ The naming tree is well balanced between branches
- ☒ Every standardized MIB has a place in the tree
- ☐ It is not possible to add a private branch



Question W1.L2.5: When defining an Object Type, what does "SYNTAX SEQUENCE OF X" mean? (NA=1)

- ☒ A list of 1..N objects of type X ✓
- ☐ A single object of type X
- ☐ A list of 0..N objects of type X

Question W1.L2.6: What is the naming pattern in SMI to access a data defined in a table? (NA=1)

- ☒ OID_of_Table.Column_number.Index_value ✓
- ☐ OID_of_Table.Line_number.Index_value
- ☐ OID_of_Table.Index_value.Column_number

Question W1.L2.7: What define the following lines of code? (NA=1)

SYNTAX type

MAX-ACCESS read-write

STATUS current

DESCRIPTION "textual description"

::{OBJECT IDENTIFIER}

- ☒ A new type of management information ✓
- ☐ A new MIB
- ☐ A new device managed by the Network Management System

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