

- 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_L1 (7/7 points)

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

Question W1.L1.1: What are the roles of a Network Management Entity? (NA=3)

- ☒ Collect, store management data
- ☐ Send command to managed devices
- ☒ Transmit data to the manager
- ☐ Display advanced visualization of data
- ☒ Answer to commands from the manager



Question W1.L1.2: What are the roles of a Network Management Application? (NA=3)

- ☒ Propose a powerful management interface to operators
- ☐ Define how management information is transported
- ☒ Retrieve management information
- ☐ Take local decisions
- ☒ Send commands to the managed devices

Question W1.L1.3: What is an agent? (NA=2)

- ☒ Process implementing management primitives on a device
- ☐ Person in charge of the management activities
- ☒ By extension, a managed device
- ☐ Computer on which the Network Management Application is executed



Question W1.L1.4: What are the advantages of a polling strategy over event reporting? (NA=2)

- ☒ More reliable
- ☐ Less network overhead
- ☒ Less complicated for agents
- ☐ More reactive



Question W1.L1.5: How to formulate the availability of a system? (NA=1)

- ☒ $MTBF/(MTBF+MTTR)$ ✓
- ☐ $MTBF/MTTR$
- ☐ $MTTR/MTBF$
- ☐ $MTTR/(MTBF*MTTR)$

Question W1.L1.6: In the case of a managed device/service interacting in real time with users, what metric is the most important? (NA=1)

- ☐ Availability
- ☒ Response Time ✓
- ☐ Accuracy
- ☐ Throughput
- ☐ Utilization

Question W1.L1.7: When collecting management information, what are the advantages of sampling compared to exhaustive measurements? (NA=2)

- ☒ Reduced load on the agent
- ☐ Better accuracy
- ☒ Reduced bandwidth usage
- ☐ Ability to catch security events

