



► Pour Commencer

► Week 0: Introduction to Network and Service Management

► Week 1: Key Concepts with SNMP

► Week 2: Monitoring with Nagios

▼ Week 3: Instrumentation with JMX

Overview of the Content

Lecture 1: Key Concepts and Architecture

Lesson\_Quiz

**Lecture 2: Basic Instrumentation**

Lesson\_Quiz

Lecture 3: Support Services

Lesson\_Quiz

Practical Exercise 1: JMX and JConsole

Practical\_Exercise\_Quiz

## QUIZZ W3\_L2 (10/10 points)

### Question W3.L2.1

The Management Interface of a Standard MBean is extracted by the Agent through:

INTROSPECTION



Note: provide your answer using only CAPITAL letters (la réponse attendue est un seul mot).

### Question W3.L2.2

The Standard MBean Management Operations are defined at: (NA=2)

☐ Runtime

☒ Compile time

☒ In a Java interface

☐ In a configuration file



### Question W3.L2.3

The Different MBean Types are: (NA=3)

☐ Autonomic

☒ Dynamic

☐ Inherited

## Practical Exercise

### 2: Standard

#### MBean

Practical\_Exercise\_Quiz

## Practical Exercise

### 3: Dynamic

#### MBean

Practical\_Exercise\_Quiz

## Practical Exercise

### 4: Adding a

#### Notification

Practical\_Exercise\_Quiz

## Evaluations

Week\_Evaluation

Echéance le avril 10,  
2022 at 22:00 UTC

Aidez-nous à  
améliorer ce  
MOOC

- ▶ Week 4: Next-Generation Management Protocols
- ▶ Votre avis nous intéresse

☒ Standard

☒ Model



### Question W3.L2.4

Which of the following statements define a "logCount" management attribute exposed through JMX in an MBean: (NA=2)

☒ `int getlogCount();`

☐ `int logCount;`

☒ `void setlogCount(int x);`

☐ `logCount readLogCount();`



### Question W3.L2.5

Let the following names refer to MBeans in a JMX agent. Which ones refer to the same MBean instance? (NA=2)

☒ `eu.telecomnancy.jmx: p="2", a="5", t="interface"`

☐ `fr.univ-lorraine.jmx: p="2", a="5", t="interface"`

☒ `eu.telecomnancy.jmx: a="5", t="interface", p="2"`

☐ `eu.telecomnancy.jmx: a="5", t="interface", p="2", c="eth"`



### Question W3.L2.6

Once registered in the MbeanServer, one can change the management interface of a Dynamic MBean: (NA=1)

☒ incorrect ✓

☐ correct

Question W3.L2.7

The types of MBeans available within JMX differ in: (NA=2)

☐ the number of possible attributes

☐ the support of notifications

☒ the level of dynamicity

☐ the scope of permitted operations

☒ the scope of possible types for attributes and parameters



Question W3.L2.8

In the ModelMBean principle : (NA=1)

☐ the MbeanServer delegates the instantiation of the corresponding MBean to the application

☒ the application object delegates the creation of the MBean to the MBeanServer ✓

☐ the MbeanServer builds on an external service to implement the MBean

☐ the application object is the MBean

### Question W3.L2.9

In JMX one can implement any Standard Mbean using: (NA=2)

☒ a Dynamic Mbean

☐ an MXBean

☐ an OpenMBean

☒ a ModelMbean



### Question W3.L2.10

The more dynamic the Bean is, ... (NA=1)

☐ the less code is needed from the developer

☒ the more code is needed by the developer ✓

*Vous avez utilisé 2 essais sur 3*

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