



► 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

▼ Week 4: Next-Generation Management Protocols

Overview of the Content

Lecture 1: NETCONF 1/2 - Overview and YANG

Lesson\_Quiz



Lecture 2: NETCONF 2/2 - Datastores and Operations

Lesson\_Quiz



## QUIZZ W4\_L4 (7/7 points)

Question W2.L4.1: what does OpenFlow define? (NA=2)

☐ the concepts of the SDN paradigm

☒ a match-action mechanism

☐ network-aware applications

☒ a configuration protocol

☐ a switch hardware design



Question W2.L4.2: in a Software-Define Network, the controller has to be run on a single computer: (NA=1)

☐ true

☒ false ✓

Question W2.L4.3: Is OpenFlow limited to layer 3 header manipulation? (NA=1)

☐ true

☒ false ✓

Question W2.L4.4: in which case, fine-grained rules can be easily set? (NA=1)

### Lecture 3: Flow Monitoring with IPFIX/NetFlow

Lesson\_Quiz



### Lecture 4: Software-Defined Networking

Lesson\_Quiz



#### Practical Exercise

##### 1: NETCONF

Practical\_Exercise\_Quiz



#### Practical Exercise

##### 2: OpenFlow

Practical\_Exercise\_Quiz



#### Evaluations

Week\_Evaluation

Echéance le avril 10, 2022 at 22:00 UTC



Aidez-nous à améliorer ce MOOC

► Votre avis nous intéresse

☒ reactive mode ✓

☐ proactive mode

Question W2.L4.5: what are the valid conditions to remove a flow table entry? (NA=3)

☒ when no packet matches the entry after a certain timeout

☐ when a same packet can match this entry and another one

☒ when the entry was installed since too long

☒ on demand from the controller

☐ when the priority of the entry is very low



Question W2.L4.6: a FlowMod message allows to (NA=3)

☐ initiate the OpenFlow session

☒ add a flow table entry

☒ modify a flow table entry

☐ get statistics about a flow table entry

☒ remove a flow table entry

☐ emit a packet



Question W2.L4.7: statistics of a flow table entry can be only retrieved when the controller requests it (NA=1)

☐ true

☒ false ✓

*Vous avez utilisé 1 essais sur 3*

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