

Informatique

Virtualisation

IDENTIFICATION

CODE : TC-4-S2-EC-VIR
ECTS : 2.0

HOURS

Lectures : 4.0 h
Seminars : 24.0 h
Laboratory : 0.0 h
Project : 0.0 h
Teacher-student
contact : 28.0 h
Personal work : 0.0 h
Total : 28.0 h

ASSESSMENT METHOD

TEACHING AIDS

TEACHING LANGUAGE

French

CONTACT

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AIMS

This course aims to train and provide hands-on experience to students in virtualization and contenerization.

Students will be required to complete a project combining:
- Docker / Kubernetes

Students must have their personal computers for this course.

This course belongs to the teaching unit "Virtualisation et intelligence artificielle" of 4TC [TC-4-S2-UE-INF] and contributes to the following skills:

C7 Implementing, realizing, developing, deploying computer programs [level 2]
C3 Specifying, designing, and modeling algorithms and computer programs [level 2]

Ability: Understanding and implementing major services of a cloud provider
Ability: Using Infrastructure as Code technologies

Knowledge: Docker
Knowledge: Kubernetes

C4 Specifying and sizing digital systems in response to customer needs
A4 Designing a system in response to a specification [level 3]

Ability: Managing virtual environments

Additionally, it requires the mobilization of the following skills:
B3 Interacting with others, working in teams
B2 Working, learning, evolving autonomously