INSTITUT NATIONATELECOMMUNICATIONS SERVICES ET USAGES APPRENTISSAGE DES SCIENCES APPLIQUÉES INSA Campus LyonTech - Râtiment Usation



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Informatique

Virtualisation

IDENTIFICATION

TC-4-S2-EC-VIR 2.0

HOURS

Lectures: 4.0 h 24.0 h Seminars: Project: Teacher-student

Total: 28.0 h

ASSESSMENT METHOD

TEACHING AIDS

TEACHING LANGUAGE

French

CODE:

ECTS:

CONTACT

M. CULPO Fabien (a)

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

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