

Infrastructure for cloud and big data



ECTS
3 crédits



Hourly volume
38h

Introducing

Objectives

At the end of this module, the student will have understood and be able to explain (main concepts):

- General concepts of cloud and big data computing infrastructures
- Principles of virtualized infrastructures
- Cloud services
- Tools associated with cloud infrastructures
- Principles of big data computing platforms (map-reduce, stream processing)
- Big data treatment environments (Hadoop, Spark, Storm)

At the end of this module, the student should be able to:

- Use virtualization platforms
- Use cloud platforms
- Program big data applications
- Execute big data applications in a computing infrastructure

Practical info

Location(s)

 Toulouse

Necessary prerequisites

Algorithmic, Java programming, Linux environment handling (shell commands)