

TAP Introduction

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1 Technologies for advanced programming

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2 Syllabus

General knowledge of technologies useful to build end-to-end solutions to analyse, manage, store, process and present data acquired in real time.

Using simplified and cross infrastructure software deployment systems (containers) and microservices orchestration tool (kubernetes), the course will present “on-the-edge” technologies used for data ingestion, pipelines, big data processing and visualization

Using an agile and multidisciplinary approach: topics, technologies and environments discussed will be applied to real case examples

3 Demo (Mediaset Enabler)

4 Topics

4.1 Big Data

4.2 Digital Marketing

4.3 Social Impact of Big Data

4.4 Literate Programming

4.5 Microservices

4.6 Stream Processing

4.7 Machine Learning

4.8 Cloud Computing

5 Technologies

5.1 Containers

5.2 Microservices Orchestration

5.3 Data Ingestion

5.4 Data Streaming

5.5 Data Processing

5.6 Data Indexing

5.7 Data Visualization

5.8 Notebooks

6 Enviroments

6.1 Cloud Providers

6.2 Online Tools

6.3 Notebook Providers

7 Course detail

Contacts

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[Git Hub Repository](#)