SAE

3MD1510, version 2025-09-07 by Galtier Virginie

Total = 22.5h, CM = 6.0h, TD = 7.5h, TP = 9h

SAE-CM-1 (1.5h)
introduction, software application architecture
Virginie Galtier
SDI

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SAE-middleware-CM-2 (1.5h)
application integration
Virginie Galtier
SDI

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SAE-middleware-TD-1 (1.5h)
Kafka, a distributed streaming platform
Michel Ianotto, Virginie Galtier
SDI

↓

SAE-middleware-TD-2 (1.5h)
Kafka, a distributed streaming platform
Michel Ianotto, Virginie Galtier
SDI

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SAE-middleware-TP-1 (3h)
Wikipedia project with only Kafka
Michel Ianotto, Virginie Galtier
SDI

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SAE-devops-CM-3 (1.5h)
devops
Virginie Galtier
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SAE-devops-TD-3 (1.5h)
Docker, a containerization solution
Michel Ianotto, Virginie Galtier
SDI

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SAE-devops-TD-4 (1.5h)
Kubernetes, an orchestration system
Michel Ianotto, Virginie Galtier
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SAE-devops-TP-2 (3h)
Deploy on the cluster
Michel Ianotto, Virginie Galtier
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SAE-tests-CM-4 (1.5h)
software quality
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SAE-tests-TD-5 (1.5h)
GitLab CI/CD, unit tests and SonarKube
Michel Ianotto, Virginie Galtier
SDI

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SAE-tests-TP-3 (3h)
CI/CD of the Wikipedia project on GitLab
Michel Ianotto, Virginie Galtier
SDI