DR. RAMI SELLAMI

Rami SELLAMI is a Dr. in computer science. He obtained his PhD diploma under the supervision of Prof. Bruno Defude in Télécom SudParis. His main research activities involve Cloud Computing and Big Data areas. They concern the support of multiple data stores applications in cloud environments. They propose a set of models, algorithms and tools to alleviate developers task for developing, executing, and deploying multiple data stores applications. He obtained his MS degree about an ontology for the workflow organizationnal model mining under the supervision of Prof. Walid Gaaloul in Télécom SudParis from the Faculty of science of Tunis (Tunisia). He obtained his engineer's degree from the Faculty of science of Tunis in Tunisia.

"Supporting multiple data stores applications in cloud environments"

Abstract:
The production of huge amount of data and the emergence of Cloud computing have introduced new requirements for data management. Many applications need to interact at the same time with heterogeneous relational and NoSQL stores. This kind of applications imposes challenging tasks to the developers during its lifecycle. In this work, we propose to alleviate developers task during its developement, execution, and deployment. First, we provide a unified model to interact with relational and NoSQL data stores. Based on that, developers express queries using OpenPaaS-DataBase API that is unique REST API to develop applications independently of the target data stores. Second, we propose virtual data stores which act as a mediator to execute complex queries. Finally, we present a declarative and automatic approach that enables relevant Cloud discovery and applications deployment.