

Taming the complexity of big data multi-cloud applications with models

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Abstract Private and public clouds are getting more and more common. With them comes the need to analyse data stored by different applications in different clouds. Different clouds and applications tend to enforce the use of different data stores, which makes it even harder to aggregate information. The main outcome is that integrating different data sources requires deep knowledge on how data is stored on each solution and on the trade-offs involved in moving from one system to another. This paper is part of the ongoing work on the JUNIPER FP7 EU project. In that project we explore the power of modelling tools to simplify the design of industrial big data applications. In the present work we present an overview of our approach and its application on a simple case study.

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