

Cloud technology for algorithms preservation.

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Cloud computing is a recent informatics paradigm which offers IT resources on demand. This distributed infrastructure recovers several services, deployments and economical models. In this talk, we will focus on the IaaS (Infrastructure-as-a-Service) Cloud which allows to provide virtual machine, storage and network on demand. With the goal to demonstrate the interest of Cloud technology for data preservation from the algorithmic side, we will present the StratusLab solution (1). This European research project offers since 2010 virtual infrastructure manager, resources and end-user client to the academic community. The project has also provided a Marketplace (2) to store and register disk images of various operating systems created by users and validated with certificates. The Marketplace is a central tool to distribute algorithms and to preserve them for future studies. We will show that in the framework of algorithms preservation, virtualisation and market for appliances can be useful tools.

References:

- (1) stratuslab.eu/index.html
- (2) <https://marketplace.stratuslab.eu/marketplace/metadata>