

PaaSage key features

- Modelling of the application components and its requirements
- Based on the CAMEL language
- Automated cross-Cloud deployment
- Social network allowing knowledge and model sharing and re-use
- Deployment optimisation based on requirements, scalability rules and knowledge collected from social network
- Auto-scaling, triggered by runtime scalability rules
- Dynamic reallocation of application components to different Clouds (Cloud bursting)
- Distinct layer from the infrastructure
- Open source

About PaaSage

PaaSage is an open source integrated platform to support both design and deployment of Cloud applications, together with an accompanying methodology that allows model-based development, configuration, optimisation and deployment of existing and new applications independently of the existing underlying Cloud infrastructures.

PaaSage is available through the OW2 open source repository and community.

The origin of PaaSage

The PaaSage platform has been designed and developed by a consortium of 19 members under the leadership of ERCIM.

The PaaSage consortium is a combination of scientific research partners, technology transfer centres, Cloud technology providers and application developers.

The PaaSage consortium received research funding from the European Union's 7th Framework Programme under contract FP7-ICT-317715 (active from 2012 until 2016).

Contact

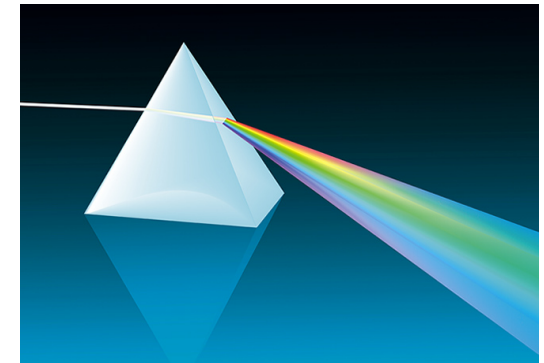
Mail: info@paasage.eu

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Code: opensource.paasage.eu



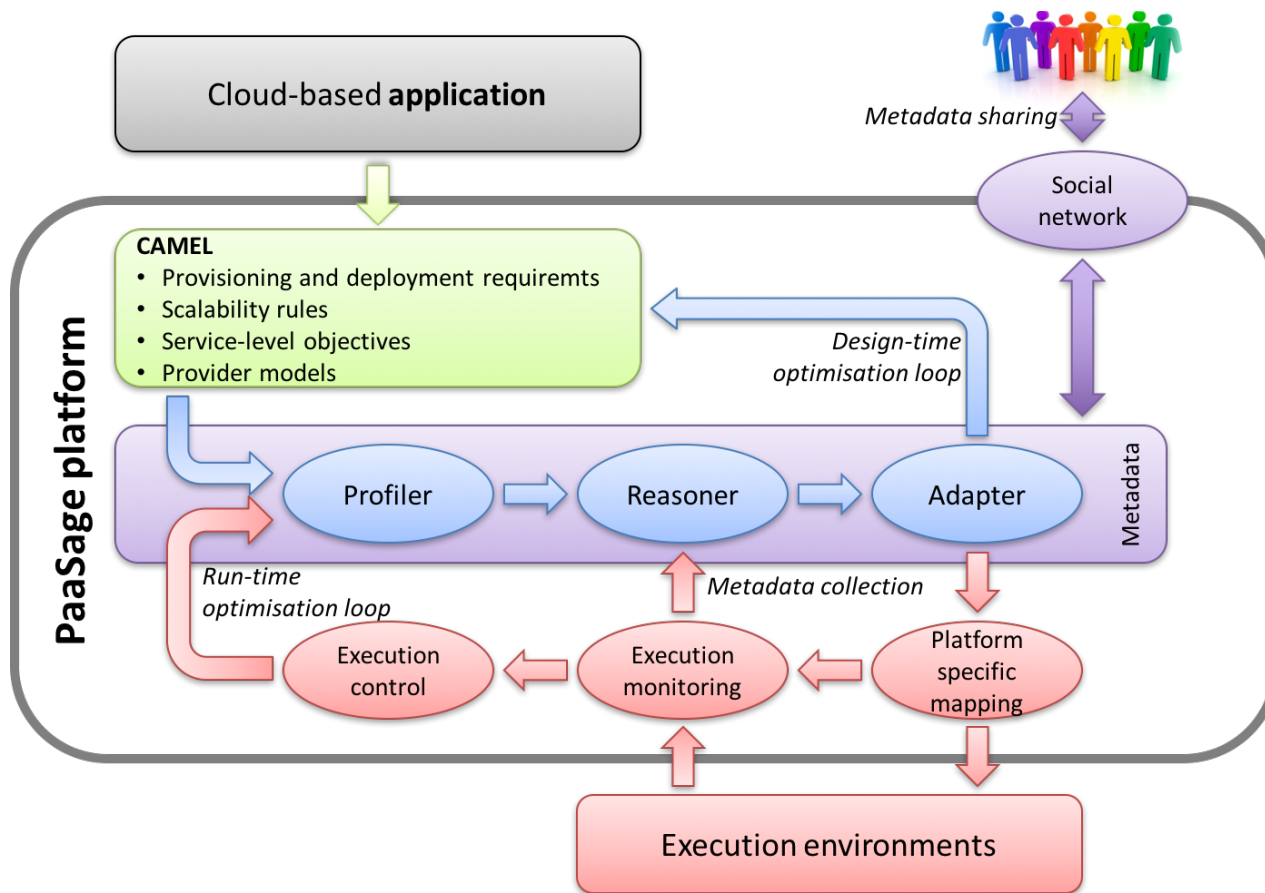
A Model-based **Cross-Cloud development and deployment** platform



Define your application
once

Deploy it at the **full spectrum** of the Clouds

www.paasage.eu



Success stories

PaaSage for ERP

be.wan (Belgium) takes advantage of the PaaSage methodology and platform, as well as the CAMEL language, to increase the efficiency of its development team.

"With PaaSage, we can now benefit from the real capabilities of the Cloud without spending a lot of time on deployment, monitoring and scaling scenarios and procedures."
Franky V., be.wan

PaaSage for flight scheduling

Lufthansa Systems GmbH & Co. KG (Germany) is developing its next generation flight scheduling solution that is used every day by more than 60 airline companies around the globe.

"Cloud provider dependency is a major obstacle for application providers with worldwide customers (...) PaaSage gives the freedom to model the application independently of the Cloud providers, which are selected afterwards by the PaaSage platform according to the requirements."
Stefan S., Lufthansa Systems

A solution for easier Cloud application development

The pain

Cloud platforms are not homogeneous. API and architectures are not standardized. Applications are often dependent on the specific Cloud platform. Generic tools for supporting application deployment and runtime monitoring are lacking.

The solution

PaaSage delivers an application deployment platform that solves the vendor lock-in paradox and increases productivity and user satisfaction.

The PaaSage environment is open source and is extensible and modifiable. It uses the CAMEL language to model the application down to its components.

PaaSage allows for deployment on multi-Cloud platforms (of any kind).

In producing an optimal solution, PaaSage takes into account the characteristics of the available Cloud platforms, the data set to be used and the end-user preferences (such as location, availability, price...).

For further learning about PaaSage functions and benefits, more demonstrators and training materials are available at www.paasage.eu.