PaaSage: Model Based Cloud Platform Upperware

Fact Sheet

Project information

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<th>PaaSage</th>
<th>Grant agreement ID: 317715</th>
<th>Funded under:</th>
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<td>Status</td>
<td>Closed project</td>
<td>FP7-ICT</td>
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Start date 1 October 2012  End date 30 September 2016

Funded under: FP7-ICT

Overall budget: € 9 444 086

EU contribution € 7 100 000

Coordinated by: GEIE ERCIM

France

Project description

Cloud Computing, Internet of Services and Advanced Software Engineering

Objective

Cloud computing is a popular and over-hyped concept in ICT. The concept of infinitely scalable elastic resources changing without complex systems administration and paying only for resources used is attractive. These benefits are not immediately realisable. Within-organisation benefits are realisable at considerable cost. IaaS (Infrastructure as a Service) public CLOUDs have different interfaces and conditions of use thus for an organisation to 'scale out' requires considerable investment using skilled technical staff.

The business need is to allow organisations to 'scale out' from their private CLOUD to public CLOUDs without a technical chasm between. This cannot easily be achieved. Aligned with the EU strategic direction of an open market for services, SOA (service-oriented architecture) offers a way to virtualise across heterogeneous public CLOUDs and organisational private CLOUDs. It opens a market for European SMEs to provide services to be utilised (and paid for) by business applications and for all organisations to benefit from a catalogue of services that can be used across the environment.

PaaSage will deliver an open and integrated platform, to support both deployment and design 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. Specifically it will deliver a Cloud Application Modelling and Execution Language (CAMEL), an IDE (Integrated development environment), execution-level mappers and interfaces and a metadata database.

The Consortium bring together ERCIM for management and STFC as scientific coordinator together with experts in different aspects of CLOUDs ranging from software and services (SINTEF), High Performance Computing (HLRS) and systems development environments (INRIA) to a group of SMEs working on CLOUD systems and end-user organisations with requirements in the CLOUD domain.

Field of Science

/social sciences/economics and business
/natural sciences/computer and information sciences/software
/social sciences/economics and business/business and management/commerce
/social sciences/economics and business/economics/sustainable economy
/social sciences/sociology/governance/public services

Programme(s)

FP7-ICT - Specific Programme "Cooperation": Information and communication technologies

Topic(s)

ICT-2011.1.2 - Cloud Computing, Internet of Services and Advanced Software Engineering

Call for proposal

FP7-ICT-2011-8

See other projects for this call

Funding Scheme

CP - Collaborative project (generic)

Coordinator
<table>
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<tr>
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<td>GEIE ERCIM</td>
<td>France</td>
<td>€ 960 039</td>
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<td>CENTRE D'EXCELLENCE EN TECHNOLOGIES DE L'INFORMATION ET DE LA COMMUNICATION</td>
<td>Belgium</td>
<td>€ 583 873</td>
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**Participants (22)**

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Activity type
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EU Contribution
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EU Contribution
€ 108,808
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<td>€ 285 285</td>
<td>Research Organisations</td>
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EU Contribution: € 271 611
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<td>AKADEMIA GORNICZO-HUTNICZA IM. STANISLAWA STASZICA W KRAKOWIE</td>
<td>Poland</td>
<td>€ 366 163</td>
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<td>United Kingdom</td>
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<td>FLEXIANT LIMITED</td>
<td>United Kingdom</td>
<td>€ 315 908</td>
<td>One Portland Place W1b 1pn London</td>
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<td>INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE RENNES</td>
<td>€ 70,958</td>
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