PaaSage: Model Based Cloud Platform
Upperware

Fact Sheet

Project Information

PaaSage

Grant agreement ID: 317715

Status
Closed project

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

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
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 ExecutionLanguage (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/business and management/commerce
/social sciences/economics and business
/social sciences/sociology/governance/public services

Programme(s)

Topic(s)

Call for proposal

FP7-ICT-2011-8

Funding Scheme

CP - Collaborative project (generic)

Coordinator

GEIE ERCIM

Address

Activity type

EU contribution

R t D L i l 2004

Oth

€960039
Participants (22)

CENTRE D'EXCELLENCE EN TECHNOLOGIES DE L'INFORMATION ET DE LA COMMUNICATION

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EU contribution
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BE.WAN SPRL

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IBSAC - INTELLIGENT BUSINESS SOLUTIONS LTD

cyprus
EU contribution
€ 57 617
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<td>Kallipoleos Street 75, 1678 Nicosia</td>
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<td>LUFTHANSA SYSTEMS AG</td>
<td>Am Weiher 24, 65451 Kelsterbach</td>
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<tr>
<td><strong>Am Messeplatz 1</strong> 65479 Raunheim**</td>
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| **Administrative Contact**  
  **Dirk Muthig (Dr.)** |

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| **Germany**  
  **EU contribution**  
  **€ 285 285**  
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  **Am Fassberg 11** 37077 Göttingen  
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  **Ramin Yahyapour (Prof.)** |

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  **Erich Schelkle (Prof.)** |

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  **€ 410 112**  
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  **Helmholtzstrasse 16** 89081 Ulm  
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<td>RUNMYPROCESS SAS</td>
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<td>Cite Jean Baptiste Clement 13 69700 Givors</td>
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<td>SCIENCE AND TECHNOLOGY FACILITIES COUNCIL</td>
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<td>€ 604 622</td>
<td>Polaris House North Star Avenue</td>
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