DEvOps for trusted, portable and interoperable Multi-Cloud applications towards the Digital single market

Fact Sheet

Project Information

**DECIDE**

Grant agreement ID: 731533

DOI

10.3030/731533

**Funded under**

INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

**Total cost**

€ 3,689,846.25

**EU contribution**

€ 3,372,158.75

**Coordinated by**

FUNDACION TECNALIA RESEARCH & INNOVATION

Spain

**Start date**

1 December 2016

**End date**

30 November 2019

Objective

Multi-cloud applications refer to applications that dynamically can distribute their components over heterogeneous cloud resources and still hold the functional, business and non-functional properties (NFP) declared in their SLAs. The main objective of the DECIDE action is to provide a new generation of multi-cloud service-
based software framework, enabling techniques and mechanisms to design, develop, and dynamically deploy multi-cloud aware applications in an ecosystem of reliable, interoperable, and legal compliant cloud services (DECIDE DevOps Framework).

DECIDE will provide a set of architectural patterns and the needed tools (DECIDE ARCHITECT) to develop and operate (following the DevOps approach) multi-cloud aware applications that can be dynamically self-adapted to be re-deployed using the best combination of cloud services. DECIDE will also set up an ecosystem of trusted, interoperable and legally compliant cloud services (ACSmI-Advance Cloud Service meta-Intermediator) and the required mechanisms to register, discover, compose, use and assess them.

One of the key innovations of the DECIDE solution relies on the development of the OPTIMUS deployment simulation tool capable of evaluating and optimizing the resulting non-functional characteristics from the user’s perspective considering a set of given cloud resources alternatives. The OPTIMUS deployment simulation tool, together with the continuous deployment supporting tool (DECIDE ADAPT), will provide the most adequate deployment application topology based on a set of users’ requirements automating the provisioning and selection of deployment scripts for multi-cloud applications. Three use cases will be conducted to validate.

DECIDE will innovate by tackling with multi-cloud and non-functional aspects and moreover by incorporating a DevOps approach to the whole solution. DECIDE outcomes, covering the specific needs of different multi-cloud applications for on-line gaming, e-Health and Network management.

Fields of science

- medical and health sciences > health sciences > health care services > eHealth
- natural sciences > mathematics > pure mathematics > topology
- social sciences > economics and business > business and management > business models
- natural sciences > biological sciences > ecology > ecosystems
- natural sciences > computer and information sciences > software > software applications > simulation software

Programme(s)

- H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)
Call for proposal

H2020-ICT-2016-2017

See other projects for this call

Sub call

H2020-ICT-2016-1

Funding Scheme

RIA - Research and Innovation action

Coordinator

FUNDACION TECNALIA RESEARCH & INNOVATION

Net EU contribution

€ 764,875,37

Address

Parque científico y tecnológico de gipuzkoa, paseo mikeletegi 2
20009 Donostia-san sebastian (gipuzkoa)

Spain

Region

Noreste > País Vasco > Gipuzkoa

Activity type

Research Organisations

Links

Contact the organisation  Website
Participation in EU R&I programmes
HORIZON collaboration network

Other funding

€ 0,00

Participants (9)
AIMES GRID SERVICES COMMUNITY INTEREST COMPANY  
United Kingdom  
Net EU contribution  
€ 270 453,89  
Address  
Edge lane 360 baird house 2nd floor liverpool digital liverpool innovation park  
L7 9NJ Liverpool  
SME  
Yes  
Region  
North West (England) > Merseyside > Liverpool  
Activity type  
Other  
Links  
Contact the organisation  
Website  
Participation in EU R&I programmes  
HORIZON collaboration network  
Other funding  
€ 0,00

ARSYS INTERNET SL  
Spain  
Net EU contribution  
€ 355 000,00  
Address  
Madre de dios 21  
26004 Logrono la rioja  
Region  
Noreste > La Rioja > La Rioja  
Activity type  
Private for-profit entities (excluding Higher or Secondary Education Establishments)  
Links  
Contact the organisation  
Participation in EU R&I programmes
CLOUDBROKER GMBH
Switzerland
Net EU contribution
€ 0,00
Address
Heinrichstrass 267
8005 Zurich
SME
Yes
Region
Schweiz/Suisse/Svizzera > Zürich > Zürich
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 317 687,50
Activity type
Research Organisations

Links
- Contact the organisation
- Website
- Participation in EU R&I programmes
- HORIZON collaboration network

Other funding
€ 0,00

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INNOVATI SERVICIOS TECNOLOGICOS SL

Spain

Net EU contribution
€ 60 250,00

Address
Calle isabel colbrand 12 planta 4 office 113
28050 Madrid

SME
Yes

Region
Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
- Contact the organisation
- Participation in EU R&I programmes
- HORIZON collaboration network

Other funding
€ 0,00

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HEWLETT PACKARD ITALIANA SRL

Italy

Net EU contribution
€ 587 000,00

Address
Via g di vittorio 9
20063 Cernusco sul naviglio mi

Region
Nord-Ovest > Lombardia > Milano

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
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Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

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TIMELEX

Belgium

Net EU contribution
€ 246 500,00

Address
Joseph stevensstraat 7
1000 Bruxelles / brussel

SME
Yes

Region
Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00
EXPERIS MANPOWERGROUP SL

Spain

Net EU contribution
€ 412 250,00

Address
Avenida de burgos 18
28036 Madrid

Region
Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

AIMES MANAGEMENT SERVICES LIMITED

United Kingdom

Net EU contribution
€ 81 979,49

Address
Kilby house liverpool innovation park edge lane
L7 9NJ Liverpool

SME
Yes

Region
North West (England) > Merseyside > Liverpool

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
Contact the organisation
Participation in EU R&I programmes
Other funding

€ 0,00

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**Permalink:** https://cordis.europa.eu/project/id/731533

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