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Resources and Services Virtualization without Barriers

Fact Sheet

Project Information



RESERVOIR

Grant agreement ID: 215605

[Project website](#) 

Project closed

Start date

1 February 2008

End date

31 March 2011

Funded under

Specific Programme "Cooperation": Information and communication technologies

Total cost

€ 17 169 906,00

EU contribution

€ 10 528 265,00

Coordinated by

IBM ISRAEL - SCIENCE AND TECHNOLOGY LTD



Israel

Project description

Service and Software Architectures, Infrastructures and Engineering

The goal of the RESERVOIR project is to increase the competitiveness of the EU economy by introducing a powerful ICT infrastructure for the reliable and effective delivery of services as utilities.

The main goal of the **RESERVOIR project** is to **increase the competitiveness of the EU economy** by introducing a **powerful ICT infrastructure** for reliable and effective delivery of services as utilities, analogously to electricity and telephony. This infrastructure will support the set-up and deployment of services on demand, at

competitive costs, across disparate administrative domains, while assuring quality of service. RESERVOIR provides different advantages:

Saving Time and Money: Today, ICT technologies move to Web 2.0 which means that companies supplying internet-based hosting usually over-provision their servers by 500% in order to handle peak loads. Hence, entrance costs for the service provider are very steep which presents a major barrier to small and medium-sized enterprises but also to citizens.

RESERVOIR provides a foundation for a **cost-competitive service-based on-line economy** where resources and services are transparently and flexibly provisioned and managed like utilities.

Gathering Clouds: "Cloud computing" enables the vision of hosting applications and data off the desktop and on the web. Currently however, only large companies with vast resources can afford this. The aim of RESERVOIR is to provide the means in order to allow the migration of resources across geographies and administrative domains. In this way, resource exploitation can be maximised and European citizen costs minimised.

Achieving the RESERVOIR Vision

The main objective of the project is to supply an architecture and a reference implementation for a service-oriented infrastructure (SOI). This Infrastructure supports the deployment of complex service scenarios that are not otherwise supported by today's technology. The aim is to achieve quantified and significant improvements in service delivery productivity, quality, availability and cost. RESERVOIR will contribute to the state-of-the-art by:

* Significantly advancing virtualisation and grid technologies and integrating them, thereby creating a basis for the next generation SOI, where services and associated

resources are effectively delivered "without boundaries" of geography and configuration.

* Developing service management technology capable of exploiting the strength and addressing the challenges presented by our infrastructure, e.g. monitoring service execution and resource utilisation, and triggering service relocation and resource reallocation decisions as needed to assure compliance with Service Level Agreements across disparate domains.

Fields of science (EuroSciVoc)

[social sciences](#) > [economics and business](#) > [economics](#) > [production economics](#) > **[productivity](#)**



Programme(s)

[FP7-ICT - Specific Programme "Cooperation": Information and communication technologies](#)

Topic(s)

[ICT-2007.1.2 - Service and software architectures, infrastructures and engineering](#)

Call for proposal

FP7-ICT-2007-1

[See other projects for this call](#)

Funding Scheme

[CP - Collaborative project \(generic\)](#).

Coordinator



IBM ISRAEL - SCIENCE AND TECHNOLOGY LTD

EU contribution

€ 2 068 500,00

Total cost

No data

Address

94 DERECH EM-HAMOSHAVOT

49527 Petach Tikva

 Israel 

Activity type

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

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (16)



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

 Belgium

EU contribution

€ 494 827,00

Address

AVENUE JEAN MERMOZ 28

6041 Charleroi 

Region

Région wallonne > Prov. Hainaut > Arr. Charleroi

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



UNIVERSITA DELLA SVIZZERA ITALIANA

 Switzerland

EU contribution

€ 600 290,00

Address

VIA GIUSEPPE BUFFI 13

6900 Lugano 

Region

Schweiz/Suisse/Svizzera > Ticino > Ticino

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



SUN MICROSYSTEMS GMBH 

 Germany

EU contribution

€ 0,00

Address

SONNENALLEE 1

85551 KIRCHHEIM-HEIMSTETTEN 

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](#) 

Total cost

No data



SAP SE

 Germany

EU contribution

€ 979 432,00

Address

DIETMAR HOPP ALLEE 16

69190 Walldorf 

Region

Baden-Württemberg > Karlsruhe > Rhein-Neckar-Kreis

Activity type

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

Links

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Total cost

No data



ORACLE Deutschland B.V. & Co. KG

 Germany

EU contribution

€ 1 025 906,00

Address

Riesstrasse 25

80992 Muenchen 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

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](#) 

Total cost

No data



TELEFONICA INVESTIGACION Y DESARROLLO SA

Spain

EU contribution

€ 1 469 454,00

Address

RONDA DE LA COMUNICACION S/N DISTRITO C EDIFICIO OESTE I
28050 Madrid

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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](#)

Total cost

No data



UNIVERSIDAD COMPLUTENSE DE MADRID

Spain

EU contribution

€ 994 040,00

Address

AVENIDA DE SENECA 2
28040 Madrid

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

Total cost

No data



THALES SERVICES NUMERIQUES SAS

 France

EU contribution

€ 638 927,00

Address

19-21 AVENUE MORANE SAULNIER
78140 VELIZY VILLACOUBLAY 

Region

Ile-de-France > Ile-de-France > Yvelines

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](#) 

Total cost

No data



ELSAG DATAMAT S.P.A. 

 Italy

EU contribution

€ 0,00

Address

Via Puccini Giacomo 2
16154 GENOVA 

Activity type

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

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

Total cost
No data



UNIVERSITA DEGLI STUDI DI MESSINA

 Italy
EU contribution
€ 355 126,00

Address
PIAZZA PUGLIATTI 1
98122 Messina 

Region
Isole > Sicilia > Messina

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
No data



TELESPAZIO SPA

 Italy
EU contribution
€ 320 903,00

Address
VIA TIBURTINA 965
00156 Roma 

Region
Centro (IT) > Lazio > Roma

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

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



UMEA UNIVERSITET

 Sweden

EU contribution

€ 758 460,00

Address

UNIVERSITETOMRADET

901 87 Umea 

Region

Norra Sverige > Övre Norrland > Västerbottens län

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



EUROPEAN CHAPTER OF THE OPEN GRID FORUM, EEIG

 United Kingdom

EU contribution

€ 80 400,00

Address

CHASE GREEN HOUSE, 42 CHASE SIDE

EN2 6NF ENFIELD, MIDDLESEX 

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](#)

Total cost
No data



UNIVERSITY COLLEGE LONDON

EU contribution
€ 742 000,00

Address
GOWER STREET
WC1E 6BT LONDON

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
No data



INNOTECH srl

Italy
EU contribution
€ 0,00

Address
via Lorenzo Mossa
56127 Pisa

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](#)

Total cost

No data



TRUST-IT SERVICES LIMITED

 United Kingdom

EU contribution

€ 0,00

Address

CHASE SIDE 42 CHASE GREEN HOUSE

EN2 6NF Enfield 

Region

London > Outer London — East and North East > Enfield

Activity type

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

Links

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[HORIZON collaboration network](#) 

Total cost

No data

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European Union, 2025