BigFoot

Project ID: 317858
Funded under: FP7-ICT

Big Data Analytics of Digital Footprints

From 2012-10-01 to 2015-09-30, closed project

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 3 538 388</td>
<td>ICT-2011.1.2 - Cloud Computing, Internet of Services and Advanced Software Engineering</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EU contribution:</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 2 562 999</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Coordinated in:</th>
</tr>
</thead>
<tbody>
<tr>
<td>France</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Call for proposal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP7-ICT-2011-8 See other projects for this call</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Funding scheme:</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP - Collaborative project (generic)</td>
</tr>
</tbody>
</table>

Objective

The amount of digital information in our world has been exploding and new technologies and services will continue to fuel exponential growth of large pools of data that can be captured, stored, and analyzed. Nowadays, however, tools and services to store, process and interact with data are still in their infancy, represented by scattered solutions that fall short in having a unified vision, that lack common interfaces, and that only offer best-effort services.

The aim of BigFoot is to overcome current drawbacks by designing, implementing and evaluating a Platform-as-a-Service solution for processing and interacting with large volumes of data. The BigFoot stack -- which builds upon and contributes to the Apache Hadoop ecosystem and the OpenStack project, in addition to creating new open source components -- features automatic and self-tuned deployments of storage and processing services for private clouds, going beyond best-effort services currently available in the state-of-the-art. BigFoot takes a novel, cross-layer approach to system optimization, which is evaluated with a thorough experimental methodology using realistic workloads and datasets from two representative application, namely ICT Security and Smart Grid data analytics. In addition, BigFoot aims at making data interaction easy by supporting high-level languages (for batch oriented analytic tasks) and by taking a service-oriented approach to support and optimize latency sensitive queries.
Coordinator

EURECOM
ROUTE DES CHAPPES 450 CAMPUS SOPHIA-TECH
06410 BIOT
France

**EU contribution:** EUR 769 361

**Activity type:** Higher or Secondary Education Establishments

**Administrative contact:** Claire CRISTOFARO
Tel.: +33 4 93008258
Fax: +33 4 93008200
E-mail
Contact the organisation

Participants

ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE
BATIMENT CE 3316 STATION 1
1015 LAUSANNE
Switzerland

**EU contribution:** EUR 591 418

**Activity type:** Higher or Secondary Education Establishments

**Administrative contact:** Anastasia Ailamaki
Tel.: +41216937564
Fax: +41 21 693 45 25
E-mail
Contact the organisation

TECHNISCHE UNIVERSITAET BERLIN
STRASSE DES 17 JUNI 135
10623 BERLIN
Germany

**EU contribution:** EUR 541 248

**Activity type:** Higher or Secondary Education Establishments

**Administrative contact:** Silke Hönert
Tel.: +49 30 314 79973
Fax: +49 30 314 21689
E-mail
Contact the organisation
GRIDPOCKET SAS
ROUTE DE CRETES 300
06560 VALBONNE SOPHIA ANTIPOLIS
France

EU contribution: EUR 374 248

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

Administrative contact: FILIP GLUSZAK
Tel.: +33 6 79 73 90 52
E-mail
Contact the organisation

SYMANTEC LIMITED
Barrow street, South Bank House 6th floor
- DUBLIN 4
Ireland

EU contribution: EUR 175 883

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

Administrative contact: Marc Dacier
Tel.: +33493008238
E-mail
Contact the organisation

SYMANTEC (FRANCE)
17 AVENUE DE L'ARCHE
92671 COURBEVOIE
France

EU contribution: EUR 110 841

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

Administrative contact: Matthew Elder
Tel.: +33 4 93 00 81 85
E-mail
Contact the organisation

Subjects
Information and communication technology applications

Last updated on 2017-04-21
Retrieved on 2018-08-23

© European Union, 2018