

SEVENTH FRAMEWORK PROGRAMME

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“Internet of Services, Software and Virtualization”



D2.6.1

SOA Infrastructure Prototype

Project acronym: SocIoS

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SOCIOS CONSORTIUM

Beneficiary Number	Beneficiary name	Beneficiary short name	Country	Date enter project	Date exit project
1(coordinator)	Institute of Communication and Computer Systems/National Technical University of Athens	ICCS/NTUA	Greece	Month 1	Month 30
2	IBM Haifa Research Lab	IBM	Israel	Month 1	Month 30
3	Athens Technology Center	ATC	Greece	Month 1	Month 30
4	Google Ireland Limited	Google	Ireland	Month 1	Month 30
5	Cognium Systems	Cognium	France	Month 1	Month 30
6	Center for the Study of the Information Society, University of Haifa	HU	Israel	Month 1	Month 30
7	Deutsche Welle	DW	Germany	Month 1	Month 30
8	Stefi Productions S.A.	Stefi	Greece	Month 1	Month 30
9	Katholieke Universiteit Leuven (K.U.Leuven) – Interdisciplinary Centre for Law and ICT	KULeuven	Belgium	Month 1	Month 30

Executive Summary

Deliverable D6.1.1, SOA Infrastructure Prototype contains the middleware infrastructure of the SocloS platform developed by the National Technical University of Athens. The objective of the SocloS middleware is to provide a management framework that manages auxiliary services and allow the composition of auxiliary services and the SocloS services(as provided by the SocloS API) into workflows. The first version of the middleware (released on M12) consists of two components, the Service Manager and the Workflow Manager

The Service Manager acts as a repository of available SocloS services. In order to make themselves available in SocloS, core and auxiliary services need to register to the Service Manager. The Service Manager will check whether the newly registered service complies with the SocloS specifications and if so add it to the registry. It also monitors registered services in order to keep the registry up to date as well as evaluate a service's performance in terms of availability (this information is consumed by the SLA Manager).

The Workflow Manager is responsible for the composition of executions of service workflows. An end user can use a single service or combine the functionality of multiple services into workflows. The functionality of the Workflow Manager is offered to the users through a single drag and drop GUI that enables them to combine into their workflows processes from the SocloS API and the auxiliary services.

The middleware components will be integrated with the rest of the SocloS components as part of the first pilot. The source code and README files for both components can be downloaded from:

<http://gforge.grid.ece.ntua.gr/gf/project/socios/scmsvn/?action=browse&path=%2Ftrunk%2FMiddleware%2F>