Cloud4SOA advances Cloud computing interoperability by offering a system for facilitated development, deployment and migration of Cloud applications between Platform-as-a-Service (PaaS) providers’ offerings of the same underlying technology.

Through combining characteristics of Cloud computing, service oriented architecture (SOA) and lightweight semantics, Cloud4SOA brings accessibility and flexibility to an increasingly fragmented and “locked-in” PaaS market.

**Project Facts**


- **Workplan:** September 2010 to August 2013
- **Budget:** 4,1M €
- **Funding:** 2,7M €

A three-year R&D project selected under the “Software and Service Architectures & Infrastructures” track of the EU’s FP7 Framework Program

Learn more at [www.cloud4soa.eu](http://www.cloud4soa.eu) and follow us at the LinkedIn “Cloud4SOA” group!
A Greater Choice in Cloud Platforms

Platform-as-a-Service (PaaS) is a rapidly growing segment in the Cloud computing market, positioning itself as a developer-friendly environment for the full lifecycle of Cloud application development and deployment. However, as a result of a fast-paced evolution, the PaaS market has fragmented and developers can struggle to identify the platform that best fits their needs, as well as become “locked-in” to the first provider they use. Consequently, smaller providers have been eclipsed by the established market leaders. Even more challenging is the issue of portability: migrating one’s invested app development from one platform to another.

Cloud4SOA’s Platform Matching and App Migration

Cloud4SOA supports choice and flexibility in the rising PaaS market through its research in semantic interoperability.

Cloud developers use a web interface to access Cloud4SOA’s provider-independent system where they can match their application’s needs to the best platform in terms of particular technology, functionality, capacity, development support and quality of service.

For those already in the Cloud, Cloud4SOA facilitates the migration of an application between PaaS offerings of similar technology, helping to alleviate the lock-in risk that shadows Cloud computing.

Validating the project’s technical progress are key industry showcases in business intelligence, business cooperation and network monitoring.

Support for European SMEs

Small-to-medium enterprises (SMEs) are a staple in the European economy, an industry that can be leveraged in the PaaS segment where the startup hardware barriers seen in providing infrastructure are reduced. Meanwhile, on the user side, innovative PaaS offerings help stimulate a Cloud application development market that brings significant opportunity to European SME software companies.

In this quickly evolving marketplace, Cloud4SOA’s facilitation of platform identification and application migration can help level the playing field for smaller developers and providers to compete in a more open, innovation-driven market.