ICT08-018 - FoSII - Foundations of Self-Governing ICT Infrastructures

Zusammenfassung

While it is possible today to offer the packaging of software into services no practical approaches are so far available for packaging computing power as a service. Yet this could be a low-cost and massively scalable solution for problems which presently require the purchase of expensive computers. The project investigates the problems arising from the lack of dynamism and adaptivity in so-called service-oriented architectures (SOA). Emulating the principles of autonomic systems (such as operate in biological systems), it develops novel methods for communications between ICT systems and for their self-management. Applications include the easier combination of IT systems operated by two or more companies in the case of a merger.

Schlagworte:
Web Services, Grid Computing, Autonomic Computing, Service Engineering,Service Monitoring

---

Principal Investigator:	Ivona Brandic
Institution:	Vienna University of Technology
Weitere Projektpartner:innen:	Schahram Dustdar (Vienna University of Technology) Rajkumar Buyya (University of Melbourne) Frank Leymann (University of Stuttgart)



Status: Abgeschlossen (01.04.2009 – 31.03.2012)

Weiterführende Links zu den beteiligten Personen und zum Projekt finden Sie unter
https://wwtf.at/funding/programmes/ict/ICT08-018/