



# Broker@Cloud Tutorial

*Ensuring Quality Assurance and Optimisation of Cloud Services*

Thursday, 17<sup>th</sup> September 2015

co-located with

4<sup>th</sup> European Conference on Service-Oriented and Cloud Computing (ESOCC 2015)  
Taormina, Italy

Broker@Cloud, has produced a toolkit that allows one to specify the rules of the enterprise, check that all services selected for the enterprise IT system adhere to these rules as well as provide optimisation and failure prevention mechanisms that will allow seamless operation. Ensuring the quality of these services, and optimising their usage, is becoming a key challenge for today's enterprises.

This tutorial will showcase a variety of innovative tools and mechanisms that can help enterprises face this challenge. More specifically, it will provide hands-on experience and live demos of the use of:

- The Framework that allows agnostic description of rules and broker policies
- **SC<sup>3</sup>** – an innovative mechanism for the provision of quality assurance regarding deployment and consumption of services.
- **PuLSaR** – an innovative tool for the performance of cloud service optimisation on the basis of user preferences.
- **FPR** – an innovative mechanism for the detection of cloud service failures and the selection of strategies for their prevention and recovery.
- **VTTS** – an innovative tool for the verification and testing of the functional behaviour of cloud services.

## Programme

11:00-11:05	Welcome to the Tutorial <b>Iraklis Paraskakis, SEERC</b>
11:05-11:30	Conceptual Underpinning of the Broker@Cloud Framework, <b>Andreas Friesen, SAP</b>
11:30-12:10	Presentation of Broker@Cloud mechanisms:  <b>SC<sup>3</sup></b> (Completeness Compliance Checker), <b>Simos Veloudis, SEERC</b> <b>PuLSaR</b> (Optimisation), <b>Yiannis Verginadis, ICCS</b> <b>FPR</b> (Failure Prevention and Recovery), <b>Alessandro Rossini, SINTEF</b> <b>VTTS</b> (Verification and Testing Tool Suite), <b>Anthony Simons, The University of Sheffield</b>
12:10-12:30	Live construction of a Broker Policy, <b>Andreas Friesen, SAP</b>
12:30-14:00	Lunch
14:00-14:30	Construction of a Service Description, hands on session by workshop participants ( <i>please bring your own laptops</i> )

Organised by **South East European Research Centre (SEERC)**  
**Information and Knowledge Management Research Cluster (IKM)**  
**Iraklis Paraskakis and Simeon Veloudis**



# Broker@Cloud Tutorial

*Ensuring Quality Assurance and Optimisation of Cloud Services*

Thursday, 17<sup>th</sup> September 2015

co-located with

4<sup>th</sup> European Conference on Service-Oriented and Cloud Computing (ESOCC 2015)  
Taormina, Italy

14:30-15:00	Live demo of Broker@Cloud framework QA & Optimisation on running service instances
15:00-15:30	Demo of the Broker@Cloud enabled Singular Logic platform/Functional Testing Demo <b>Panagiotis Gouvas</b> , SingularLogic, <b>Anthony Simons</b> , The University of Sheffield
15:30-16:00	Coffee break
16:00-16:30	Demo of the Broker@Cloud enabled CAS Open Platform, <b>Cristoph Beckmann</b> , CAS AG
16:30-17:00	Moderated discussion & feedback
17:00-17:30	Questionnaire

**End of tutorial session**

Organised by South East European Research Centre (SEERC)  
Information and Knowledge Management Research Cluster (IKM)  
Iraklis Paraskakis and Simeon Veloudis