



Workshop: Hard Problems in SOA

Date: January 30, 2007

Venue: Software Engineering Institute, 4500 Fifth Ave., Pittsburgh, PA 15213

Sponsored by: Carnegie-Mellon University, IBM, and the Software Engineering Institute

Gartner believes SOA will be used in more than 50 percent of new mission-critical operational applications and business processes designed in 2007 and in more than 80 percent by 2010 (Gartner April 27, 2007). In spite of this adoption rate, there are many open problems regarding the technology, adoption, and implementation that must be solved to fulfill the promise of SOA. This workshop is intended to focus on four of these hard problems and solicit the best ideas from Academia, Industry, and the Government for addressing these problems.

During 2007, SEI in collaboration with a team of researchers and practitioners developed a taxonomy for SOA research challenges. This taxonomy was presented at workshops at several international conferences, including ICSE 2007¹. The taxonomy is intended to be used as a framework to identify SOA research challenges and to focus research in the area.

The key objective of this workshop is to help understand and advance the state of the art in SOA and define where further research is needed. SEI will present the taxonomy as a guiding framework and then working sessions will focus on four specific “hard problem” areas: SOA governance, SOA strategy, SOA security and SOA Application Life Cycle (Design, Development & Deployment). The focused problems will be those of specific interest to the use of SOA within Federal Government organizations.

We would like to invite you to participate in this workshop as a contributor to one of the following working sessions:

1. SOA Governance
2. Strategy, Justification of SOA Projects, ROI, Strategic Plan for SOA Introduction
3. Security for SOA
4. SOA Design, Development & Deployment : Methods & Tools

The workshop will start off with a Plenary session and then break into four groups to work through each of the problems. At the end of the day each group will brief on their results, including: the current state of the art, the

hard problems government and other customers are facing in this area, suggested solutions to these hard problems, and areas that require further research.

Logistics:

January 30, 2008 @ SEI, 4500 Fifth Ave., Pittsburgh, PA

8:00 am Continental Breakfast & Check-in

8:30 am Plenary

12:00 pm Lunch (provided free of charge)

1:00 pm Continuation of Working Sessions and Brief Out

3:30 pm End

Registration

There is no charge for this workshop, but you must register.

Please provide Suellen Kiger at SEI with the following information if you are interested in participating: Name, Organization, Title, email address, phone number, preferred Working Session (1-4), any dietary restrictions

skiger@sei.cmu.edu or 412-268-6308.

The Organizing Committee is looking forward to your participation in this important workshop.

Workshop Organizing Committee:

- Grace Lewis, SEI, glewis@sei.cmu.edu
- Dennis Smith, SEI, dbs@sei.cmu.edu
- Austin Montgomery, SEI, amontgom@sei.cmu.edu
- LaShina Williams, IBM, lashina@us.ibm.com
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ⁱ <http://web4.cs.ucl.ac.uk/icse07/> and <https://www-927.ibm.com/ibm/cas/cascon>