

Topic: SOA For Self-Healing Scale-out Storage and Computing Fabrics

Title: Delivering the SOA Holy Grail – Simultaneously Increasing Agility, Reducing Cost and Increasing Availability.

Proposed Speaking Abstract:

Service Oriented Architecture, as commonly portrayed by the IT Industry, is uniquely ill-equipped to address the requirements of next generation distributed Enterprise and Utility runtime environments. Wrapping legacy systems within Web Services simply provides a Web Service interface to what is still a brittle, monolithic, application. Meanwhile strategies based on "ESB messaging", simply couple business services via a brittle, monolithic decade old software middleware infrastructure - anyone remember MOM?

There is no silver bullet. However what is certain is that to achieve the 'end goal' autonomic Computing Fabric the brittle, monolithic architectural approaches used today are wholly inappropriate. True agility, self-assembling, self-healing, self-protecting, self-scaling solutions can only be achieved by implementing the next generation of composite SOA frameworks that are based upon the correct set of organizational principles.

Dr Richard Nicholson, CEO and Founder of Paremus, will review what these fundamental architectural design principles are, along with their origins, and explain how they have been realized by the Paremus Infiniflow Enterprise Service Fabric product suite. This will include a review of two standards initiatives currently being aggressively pursued by the Enterprise Software industry, namely:

- **OSGi™**, described as "one of the quiet contenders for the most important standard of the decade?" by SD Times, June 2007 and
- **SCA** (Service Component Architecture)

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Speaker Bio:

Richard has actively driven the strategic business and technical direction of Paremus since its formation in 2001. Richard maintains keen interest in a number of research areas including Recovery Oriented techniques, Complex Adaptive System design and Self Organized-Criticality. He is specifically interested in the application of such concepts to next generation distributed system design. Prior to founding Paremus,

Richard headed the European System Engineering function for Salomon Smith Barney/Citigroup. Richard graduated from Manchester University with Honors in Physics and went on to gain an Astrophysics doctorate from the Royal Greenwich Observatory. Richard's blog can be found at: <http://adaptevolve.blogspot.com/>.