SOA Policies and Their Enforcement

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Abstract

Service Oriented Architectures (SOA) and specifically Web Services have been the focus of an intensive standardization effort for the past few years. Many of these standards use the term "policy" to define the requirements they express. A closer look at the policy landscape reveals an emerging taxonomy of policies within the SOA. Policies typically relate to business level requirements, service implementation requirements or production enforcement requirements. This taxonomy reveals gaps in the effort to define dynamic governance policies allowing real time policy enforcement. In addition, common denominators have been identified between policies that may be leveraged to improve policy uniformity and streamline enterprise wide policy implementation. In particular, a set of new enforcement policies is proposed using novel policy concepts together with building blocks from XACML, WS-Policy and SAML.

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Biography

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Gideon has more than 14 years of R&D experience in networking, software and hardware.Before founding Silverkite, Gideon was the CTO and co-founder of Charlotte 's Web Networks, a core IP router vendor. Under his technical leadership, Charlotte 's Web Networks transformed from a start-up to a well-known and respected router vendor with over 120 employees. During this period he helped raise $80M in funding. He led the development of custom designed chipsets based on ASIC's and FPGA's for network processing, traffic management and switching at speeds of 10Gbps and 40Gbps per port.Prior to that, Gideon worked for the VLSI department at the IBM Research Center in Haifa where he developed automatic test generators for PowerPC processors.Gideon is an officer (reserve) of the Israeli Defense Forces where he was part of the prestigious "Haman Talpiyot" technological program. He brings years of experience in Telco grade system development, ASIC and FPGA design as well as routing protocols and TCP/IP network technologies.He holds a B.Sc. (Summa Cum Laude) in Computer Engineering and a MSc. in Computer Science from the Technion - Israeli Institute of Technology.