Specification and Querying of Security Constraints in the EFSOC Framework

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ABSTRACT

Service-Oriented Computing is a new paradigm for the specification and deployment of distributed services in highly dynamic environments. The very nature of the context in which service-oriented computing thrives imposes unique security requirements. Large scale interconnection of systems and services, rapidly changing service compositions and ad-hoc composition and invocation of services require a flexible security model that is able to adapt to these changes. In this paper, we present an approach to specification and querying of security (access control) constraints in the context of the event-driven framework for service-oriented computing.