Abstract

Security is an important issue that must be well-defined in Service Oriented Architecture (SOA) environment, so that it could be used in implementing the web services. In this article, we focus on one of the important aspects of SOA security, which is access control. The article explains the security requirements that must be followed and proposes a conceptual model of requirements in this field based on the needs. Then every requirement, available techniques and standards in this field is separated and discussed. Since different models such as IBAC, RBAC, ABAC and RAdAC have been presented so far, these existing models are explained. Then a comparison between ABAC model’s structure that is more compatible with SOA and RBAC model that is most widely used today is presented.

**Index Terms**

Computer Science

Security

**Keywords**

Service Oriented Architecture     Web Services     Access Control     Security

Requirements

RBAC

ABAC