Abstract

To control the unauthorized access to the resources and services is an emerging security issue in Semantic Web (SW). There are various existing access control models such as Role base, Attribute base, Credential base, Concept level access control models. They all have some strengths and weaknesses with them. In this paper we first take an overview of history of access control models and the need of access control models in semantic web. This paper has a discussion of strengths and weaknesses of the RBAC and ABAC. Than we have a comparative analysis of RBAC and ABAC with some points of issue.

References

Comparative analysis of Role Base and Attribute Base Access Control Model in Semantic Web

- Gerald Stermsek, Mark Stremmbeck, Gustaf Neumann, "Using Subject- and Object-specific Attributes for Access Control in Web-based Knowledge Management System".

Index Terms

Computer Science Information Sciences

Keywords

Access Control Model Semantic Web Authorization