Abstract

This paper proposes a number of useful improvements to the Key-Chain-Web access control mechanism which expands the usability of the mechanism in different scenarios. The improved services shall demonstrate the flexible and adaptive nature of the mechanism achieved through the use of relationships within co-ordination among resources in cloud and grid systems to provide access control. The proposed additions are very easy to implement and augments the fundamental principle of co-ordination based access control inherent in it. The proposed services are generic in nature to suit the access control needs of any distributed environment.

References

A Novel Access Control Mechanism based on Key-Chain-Web Model using Authorization Contexts

- Chiara Bodei et. al., 1999, "Static analysis of process for no red-up and no write-down," LNCS 1578, pp. 120-134, Springer
- D. Recordon and D. Reed, 2006, "OpenID 2.0: a platform for user-centric identity management," Proceedings of the second ACM workshop on Digital identity management, pp. 11-16

Index Terms

- Computer Science
- Security

Keywords

- access control; key-chain-web; cloud grid systems; enterprise software; coordination