

Distributed authentication and authorization framework for a webservice-based grid system

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January 10, 2006

Abstract

There is provided a short summary of the problems associated with extending conventional user authentication and authorization management systems to distributed environments, and a short review of some popular solutions (SPKI, Shibboleth) to these problems. The limitations of applying existing solutions to a grid environment are pointed out, and problems specific to these environments are reflected upon. Finally, there is shown a simple authentication/authorization framework developed for the ClusterGrid project, which will be part of the new webservice-based Grid environment currently under development.