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Time: 11:00 - 11:30

UPORTOaai - The Authentication and Authorization Infrastructure at the University of Porto

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Abstract:

The authentication and authorization infrastructure are becoming increasingly common, particularly in university environments regarding the management of electronic identities of users. Increased mobility of staff and students advises to identity federation, allowing to establish trust relationships between institutions and recognition of users in the various institutions that make the federation, safely and confidential. In 2008, U. PORTO started the project - UPORTOaai - with the aim of creating a central repository of identities (LDAP) which made possible the creation of an internal sub-federation for cross authentication (single sign-on) in the various web services of University. The technology adopted (WAYF, uApprove, IdP, SP) is based on Shibboleth-based Standards (SAML 2.0 / JAVA). Currently the U.PORTO adopted the federated authentication in the following internal services: : Information System (SIGARRA), Thematic Repository (DSPACE), Campus Software, Learning Management System (Moodle) and Library System (ALEPH). The UPORTOaai is already integrated with the national federation RCTSaai (with 31 Portuguese institutions of higher education), a project sponsored by the Portuguese NREN (national research and education network). Currently, users of the U. PORTO have access to various national and international services, such as BAES, ARARA, COLIBRI, TCS, b-on, Filesender, DreamSpark and Terena.org.

The main objective of this paper is to present the project of the UPORTOaai and describe the goals, methodology, technology adoption, changes and developments in progress.