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AOSI: The Identity management system for AAI@EduHr

We present the AOSI application system build as the basic building block of the Authentication and authorisation infrastructure of science and higher education community in Croatia (AAI@EduHr).

AAI@EduHr architecture is based on the system of distributed LDAP directories. Therefore one of the first steps was to enable safe, reliable and easy to use application for LDAP directory content management. To fulfil that task we have developed an identity management system called AOSI. Nevertheless, aside of enabling directory content management AOSI is designed to become a single entry point for each and every application that wants to access the institution's LDAP directory.

AOSI has two main parts: AOSI web service (AOSI WS) that acts as a LDAP directories front-end and AOSI client that enables easy to use Web interface for content administrators and end users.

AOSI client can be replaced with any other home-developed client that meets the home institution's need as long as it uses AOSI WS to contact LDAP directory. On the other hand AOSI WS is the single entry point that is used by the networked resources to authenticate users and request needed attributes, via AAI@EduHr central services,

AOSI uses XML technologies (WSDL and SOAP) and it can be expanded to use SAML. It is developed in Perl (AOSI WS) and PHP (AOSI client).