University of Zurich[UZH]

Zentrale Informatik – Business Applications

AAI & SAP SAML2 for Fiori / UI5

SAP NetWeaver Application Server ABAP as SAML service provider

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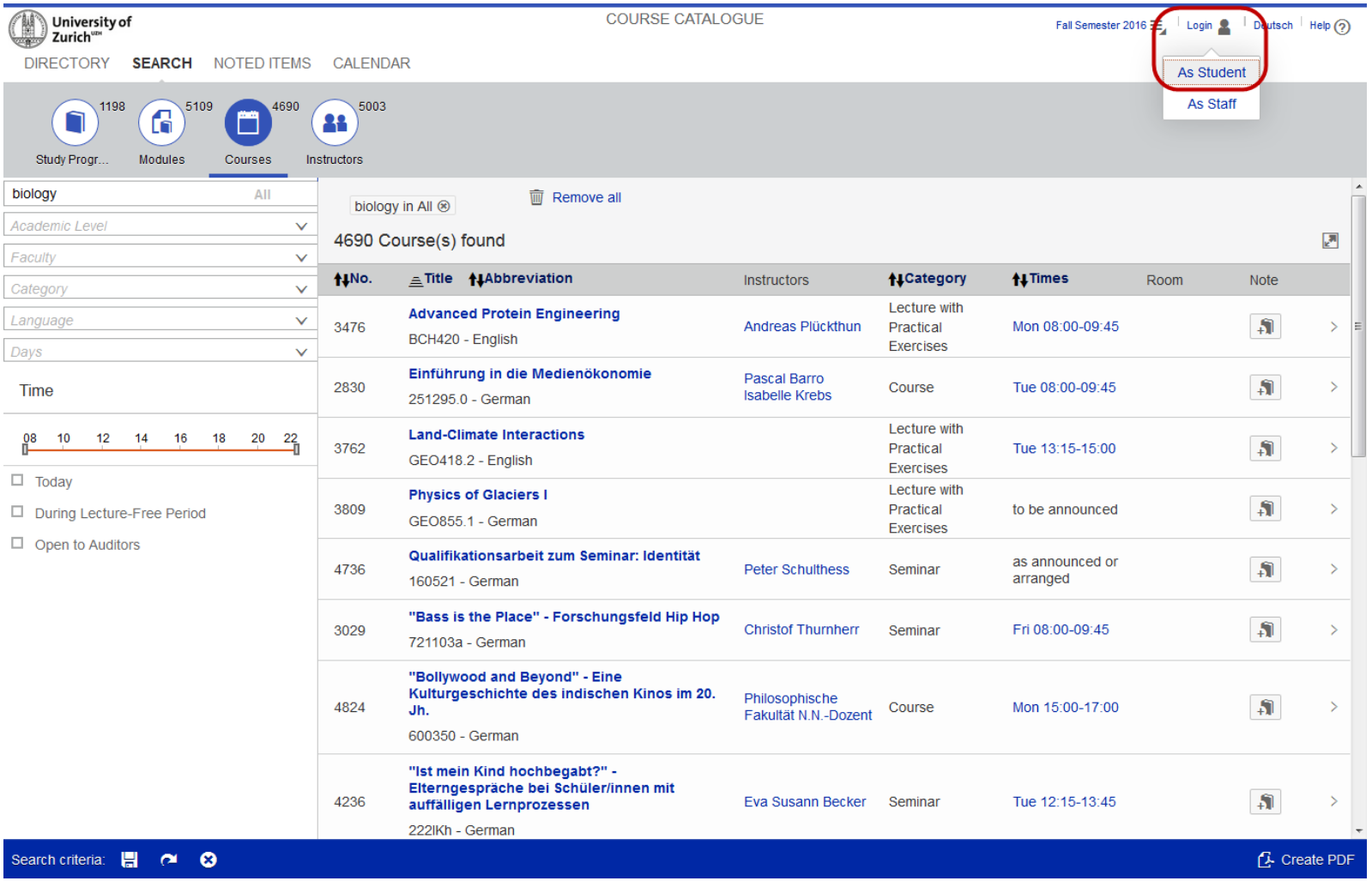
Trigger: new course catalog



Current Situation

The UZH is using the shibboleth service provider (mod_shib, shibd) to protect the SAP online services for students (www.students.uzh.ch/en.html)

All these UZH SAP online services (self-developed BSP-applications) will be replaced within the next two years

The login functionality for these UZH SAP online services is a self-developed BSP-application, which cannot be used without modification for Fiori authentication

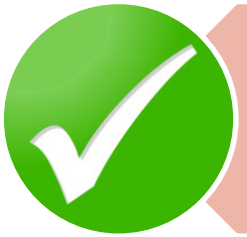
The first self-developed UZH SAPUI5 application is the new course catalog (www.courses.uzh.ch), which is available since June 2016

The UZH plans to use the Fiori Launchpad to present the SAP UI5 online services to the students

Goals of the AAI authentication for Fiori / UI5

The authentication technology should be based on well known industry standards

The implementation should be possible without any modifications on SAP and IdP side



It has to be fully integrated in the AAI Federation & Resource Registry

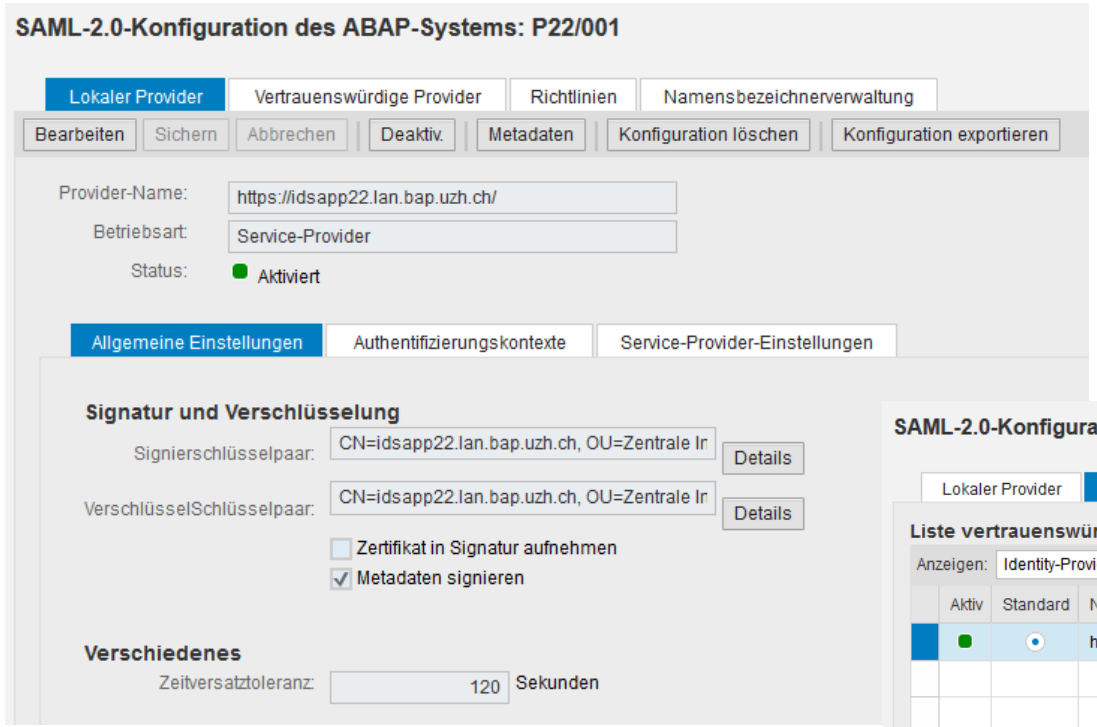
Solution

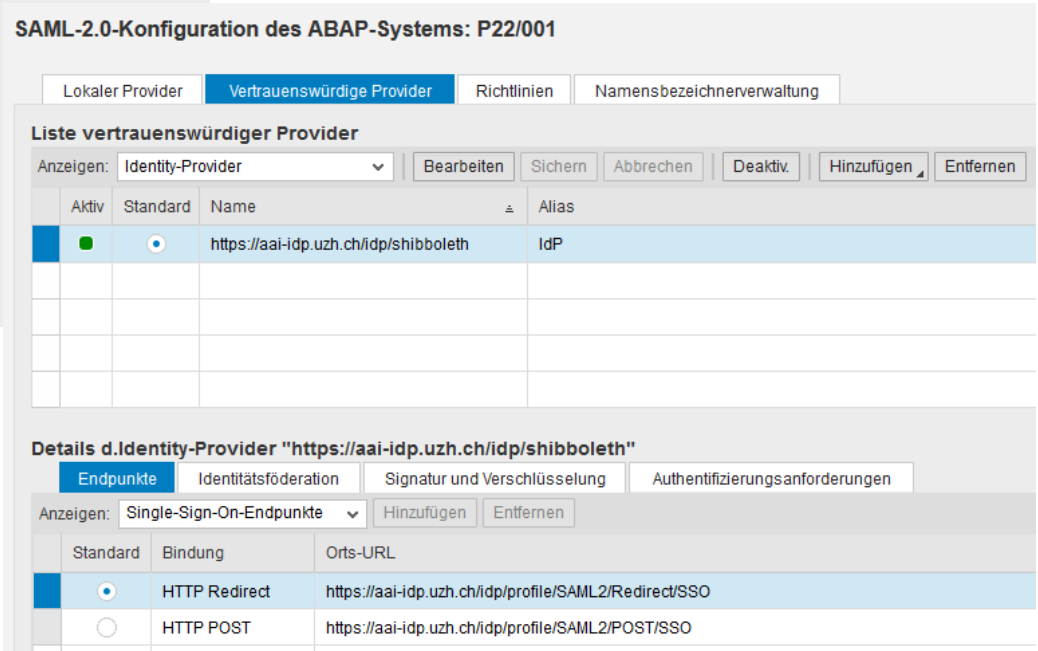
1. Configuration of the SAP NetWeaver Application Server ABAP to operate as a SAML service provider (SAP transaction SAML2)

2. Create service provider in the AAI Resource Registry (https://rr.aai.switch.ch/)

3. Set the logon procedure of the corresponding SAP service to «Alternative Logon Procedure» (SAP transaction SICF)

1. SAP SAML2 transaction





2. AAI Resource Registry

Basic Resource Information	
Federation	SWITCHaai Federation
Home Organization	uzh.ch (SWITCHaai)
EntityID	https://idsapp22.lan.bap.uzh.ch/ SAML 2
Relying Party	Default
Interfederation Enabled	Interfederation support not enabled
GÉANT Data Protection Code of Conduct	Not committed to GÉANT Data Protection Code of Conduct
REFEDS R&S Category	Service not compliant with REFEDS R&S.
Home URL	https://studentservices.uzh.ch/
Helpdesk URL	
Valid from	27 April 2016
Valid until	Valid forever.
Public	Yes If the Resource is marked as public, it will be visible in public Resource listings.
Embedded Certificates	
Certificate	/ C=CH / ST=Zuerich / L=Zuerich / O=Universitaet Zuerich / OU=Business Applications / OU=Zentrale Informatik / CN=idsapp22.lan.bap.uzh.ch **Issuer:** / C=BM / O=QuoVadis Limited / CN=QuoVadis Global SSL ICA G2 **SHA1 Fingerprint:** 20:E4:07:64:4D:DD:5C:98:54:49:83:29:C0:82:87:37:4F:98:FD:AB **Expiration Date:** Apr 8 15:02:54 2019 GMT
Service Locations	
Assertion Consumer Service	https://studentservices.uzh.ch/sap/saml2/sp/acs/001 Binding: urn:oasis:names:tc:SAML:2.0:bindings:PAOS
Assertion Consumer Service	https://studentservices.uzh.ch/sap/saml2/sp/acs/001 Binding: urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Artifact
Assertion Consumer Service	https://studentservices.uzh.ch/sap/saml2/sp/acs/001 Binding: urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST

3. Alternative Logon Procedure (SAP transaction SICF)