Registration Pilots of ZHAW, ZHdK and FHNW

Petra Kauer-Ott
petra.kauer@switch.ch

Berne, 29.6.2017
Student Registration Pilots

Goals:
1. Improve/redesign registration process (as part of IdM/IAM redesign)
2. Replace “throw away identities” for student candidates
3. Equip new members with an edu-ID (facilitate transition)

Pilots:
- ZHAW: Go live 31.5.17 (operational)
- ZHdK: Go live decision end of July 2017
- FHNW: Go live 30.6./1.8.17

*Adaptations of Evento are included in the latest release.*
Project Online-Registration (ONLA)

Registration Portal with Evento and SWITCH edu-ID
Project Online-Registration (ONLA)

Contents:

• Project development process
• Current situation
• Outlook
• Technical integration
Project Online-Registration (ONLA)

Project development process

- April 2015: Start project "Online Anmeldung" (online registration)
  - No suitable tool available on the market.
- October 2015: Discussion with FHNW colleagues.
  - FHNW on the way to create tender documents.
  - Already decided to cooperate with SWITCH.
Project Online-Registration (ONLA)

Project development process

• November 2015: Solution with Evento
  - new technology “WebModules”
  - EFHG = 11 universities form a panel to develop 'their' Evento
  - 11 universities shared the costs – and can use the new online registration
  - ZHAW and FHNW run the project together
Project Online-Registration (ONLA)

ONLA is ONLINE

Degree: Master of Science in Life Science
Semester start: Spring Semester 2018
Since: 31.05.2017

Website Department N
Anmeldung Master of Science in Life Sciences

Im Anmeldeportal melden Sie sich online für einen Studienplatz an der ZHAW an. Sie werden dabei durch den Anmelde-, Zulassungs- und Immatrikulationsprozess begleitet.

Vorbereitung Unterlagen und Informationen

Halten Sie für die Anmeldung alle Unterlagen in elektronischer Form bereit beziehungsweise legen Sie sich die notwendigen
Use your edu-ID to access

Student Registration

Enter your e-mail address and password below, then click on the Login button to continue.

---

**SWITCH edu-ID**

E-mail: john.doc@example.org

Password: Enter your password

Login

Forgot password?

▷ Options for personal data protection

---

For registration at ZHAW you need an Swiss edu-ID account.
If you don’t have one already, please create it now.
Project Online-Registration (ONLA)

Outlook:

• Students can register to all degrees online for study starts from Autumn Semester 2018 onwards.

• A subsequent project which has been initiated to implement ONLA professionally and technically shall be finalised in October 2017.
Project Online-Registration (ONLA)

Why SWITCH edu-ID?

• Challenge of identity:
  ▪ We need to be able to identify each individual login.
  ▪ We should not create any student account before matriculation.

➢ SWITCH edu-ID offers a solution for exactly this problem!
Project Online-Registration (ONLA)

Key integration requirements:

- User Interface:
  - Good and clear information about the process
  - Customizable registration/login screens (logo, text, links)

- Technical:
  - Swiss edu-ID internal identifier available for SP
  - Integration with CLX.EventoNG
Project Online-Registration (ONLA)

Customizable:

- redesigned registration process with less single steps
Project Online-Registration (ONLA)

Technical realization:

• Create a SWITCH edu-ID and login to the registration portal:
  ▪ Person is created in Evento and its UID is stored in the Evento-Database.
  ▪ CLX.Evento OAuth Server supports SAML2.0.
  ▪ Logout on Evento and SWITCH is possible.
Next steps I:

• Duplicate detection
  - Currently only few fields are used in registration process (firstname, surname, e-mail)
  - Primary identifier missing (e.g. social security number, birthdate)

• For candidates who already have an internal account (employees, current students):
  - In planning: Login with existing AD account (via ADFS)
  - Maybe: automatic detection on single Loginpage: SWITCH <> ADFS
Project Online-Registration (ONLA)

Next steps II:

• Synchronization between SWITCH edu-ID and Active Directory…
ZHdK ONLA Pilot

Claudia Monstein, project leader IAM

Ongoing IAM redesign project

→

Occasion to implement online registration
Online Registration Pilot

for master studies music and design

Planning: Go Live in summer 2017

Decision: end of July 2017

Precondition: tested, reliable and approved pilot solution
Challenges

Implementation of ONLA with SWITCH edu-ID

but …

additional requirement is feature for multiple login options:
• developed by Crealogix
• not ready yet
• must be tested before go live
Best & Worst Case

😊

multiple login options: AD login AND edu-ID login
→ student with local account uses AD account
→ new student uses edu-ID account

😢

only login option with edu-ID for all students
→ risk of duplicates
Change Process

- Complexity of IAM project
- Staff ready for new process?
- Legal questions answered?
- Requirements of different study fields implemented?
  (standardization vs. individualized solutions)
edu-ID Pilot Projects
@fhnw
edu-ID Pilot Projects

3 pilot projects

- EVER
- ONLA
- Groups Inside Guest
EVER

- Evento Event Registration
- Continuing Education courses (CAS, MAS, seminars, etc.)
- Login with edu-ID and AAI FHNW
- Single Page Angular Application with .NET Backend Services
- OIDC Authentication
- Go-Live: 30.06.2017
ONLA

- Online Registration for degree studies (bachelor and master)
- Part of Evento school administration suite (developed by CREALOGIX)
- Login only via IdP edu-ID
- Go-Live: 01.08.2017
Groups Inside Guest

- SharePoint Collaboration Platform
- Working with external partners, researchers, suppliers etc.
- Migration project (replacing an existing solution with dedicated AD)
- Consistent user experience for FHNW resources
- Go-Live: 01.11.2017
Key aspect 1 – High level process

Same generic process in all cases:

1. Onboarding application (initiate)
2. Manage edu-ID affiliation @fhnw in IAM System
3. Access FHNW resources (based on Affiliation attributes)
Key aspect 2 – seamless user experience

- 2 registration flows
  - Registration with Login
  - Login (with Registration if needed)
- Only possible with a edu-ID Registration Form Customization (return url)
- Flows can be controlled with special parameters (target URL)
  - Security restriction: same host as Service Provider
- Target URL is consistent through the whole registration flow
FAQ Seite

**eduid Registration**

**email address Verifikation**

**Return URL**

- target = appA
- target = appB

**Aufruf mit URL Parameter**
- ?entityID=sts.fhnw.ch
- ?target=appName (neu)
  (target ist ein optionaler Parameter welcher über gesamter Registration Request bestehen bleiben soll)

**Token bei email Verification (?token=tokenId)**

- da muss der Parameter target auch wieder enthalten sein
Demo

Links

- https://www.switch.ch/aai/guides/sp/edu-id-link-composer/
Questions?

Contact:
- Michael Hausherr, Enterprise Architect
  T: +41 56 202 71 56, E: michael.hausherr@fhnw.ch
- Joël Hasler, System Specialist SharePoint
  T: +41 56 202 70 79, E: joel.hasler@fhnw.ch