

Project SWITCH edu-ID



MIGRATION TO SWITCH EDU-ID

Agenda

- Time Line
- Quantity Structure
- Costs
- Sub-Projects
- Problems during the Project
- Lessons Learned
- Project Completion
- Follow-Up Projects

Story about UNILU migration:
https://swit.ch/UNILU_migration

Time Line

September 2017	First meeting with SWITCH
March 2018	Project start
May 2018	Start of the information and communication concept in cooperation with the public relations department
September 2018	Adjustment of the online registration for new students
October 2018	Build-up of the migration website (linking SWITCHaai with edu-ID)
December 2018	Build-up of the Sync-Tool for data synchronization with the edu-ID API
February 2019	Migration to SWITCH edu-ID
April 2019	Project completion

Quantity Structure

Number of students	3'000
Number of staff	550
Number of external lecturers	300

Costs

Adjustment of the online registration for new students	CHF	16'800
Build-up of the migration website	CHF	15'500
Sync tool for the data synchronization with the edu-ID API	CHF	16'800
Post stabilization of the Sync-Tool	CHF	3'300

Internal costs (manpower) of the University Lucerne and SWITCH aren't considered here.

Separation of the project into four sub-projects:

- I. Information and Communication
- II. Adjustment of the Online Registration (for new students)
- III. Migration Website (linking SWITCHaai with edu-ID)
- IV. Sync-Tool for data synchronization (with the edu-ID API)

Goals

- Information about SWITCH edu-ID and the planned migration at an early stage.
- Development of an info website, sending of newsletters and personally addressed e-mails (shortly before and after the migration).
- Motivate all university members to create an edu-ID and link it with SWITCHaai.

II - Adjustment of the Online Registration

Goals

- Replacement of temporary logins with SWITCH edu-ID.
- Benefit: New students already have a SWITCH edu-ID after registering.
- Saving the SWITCH edu-ID GUID in the administration solution for synchronization with the UNILU identity later on.

II - Adjustment of the Online Registration

Online registration for new students

The image displays two browser windows side-by-side, illustrating the online registration process for new students at the University of Lucerne.

Left Window (Registration - Uniportal):

- URL: <https://portal.unilu.ch/site/besucher/anmeldung/en-us>
- Navigation: For prospective students | For students | For Alumni | Course catalogue
- Language: DE | EN
- Application**
 - You can apply from mid-February on for the fall semester and from mid-September on for the spring semester.
 - Please check our [admission guidelines](#) and verify the [application deadlines](#) before you start the application process.
- Re-enrolment**
 - Former students of the University of Lucerne please submit one of these forms:
 - [Re-Matriculation to studies](#)
 - [Re-Matriculation to diploma](#)
- Finalization of the Online Application**
 - On the very last page of the online application process the payment of the application fee is required. **The application fee is CHF 100.00 for all study levels and study programs.** You can pay either directly by credit card or by post/bank wire. For payments by post/bank wire the payment slip has to be uploaded and the finalization button needs to be pressed afterwards.
 - Important: After the successful completion of the application process, you will receive a confirmation by e-mail from the Student Administration Office.** If you do not receive such an email subsequently, please contact studiendienste@unilu.ch.
- GO TO <<ONLINE REGISTRATION>>** (This button is circled in red in the original image)
- Footer: [Imprint and data protection](#) | [Terms and conditions](#)

Right Window (Student Registration):

- URL: <https://login.eduid.ch/idp/profile/SAML2/Redirect/SSO?execution=ata1>
- Navigation: My edu-ID | Help | EN
- Log in to: Student Registration**
 - For registration at Universität Luzern you need a SWITCH edu-ID account. If you don't have one already, please create it now.
- Form fields:
 - SWITCH edu-ID
 - Email:
 - Password:
- Buttons: [Create account](#) | [Login](#)
- Links: [Forgot password?](#) | [Options for personal data protection](#)
- Footer: [About](#) | [Terms of Use](#) | [Legal Notice](#) | [Imprint](#)

Goals

- Guided creation of a SWITCH edu-ID.
- Saving the SWITCH edu-ID GUID during the process in the administration solution.
- Website can still be used after migration for new employees and exchange students.

III - Migration Website

Login with the Active Directory Account (staff or student)

The screenshot shows a web browser window with the URL `https://migrate2eduid.unilu.ch/en-us/ActiveDirectory/Login`. The page features the University of Luzern logo and a navigation bar with 'DE' and 'EN' links. Below the navigation bar, there is a section titled 'MIGRATE2EDUID_ADLOGIN_INTRODUCTION' with a light blue background. This section contains the text 'Register to the webservice Migrate2eduID' and 'Please register with the username for employees (e.g. MusterH) or with the username for students (e.g. S11-111-111)'. There are two input fields: one for the username (containing 'S22-222-227') and one for the password (containing '*****'). A 'Login' button is located below the password field. At the bottom of the page, there is a footer with the text 'swissuniversities'.

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DE EN

MIGRATE2EDUID_ADLOGIN_INTRODUCTION

Register to the webservice Migrate2eduID
Please register with the username for employees (e.g. MusterH) or with the username for students (e.g. S11-111-111).

S22-222-227

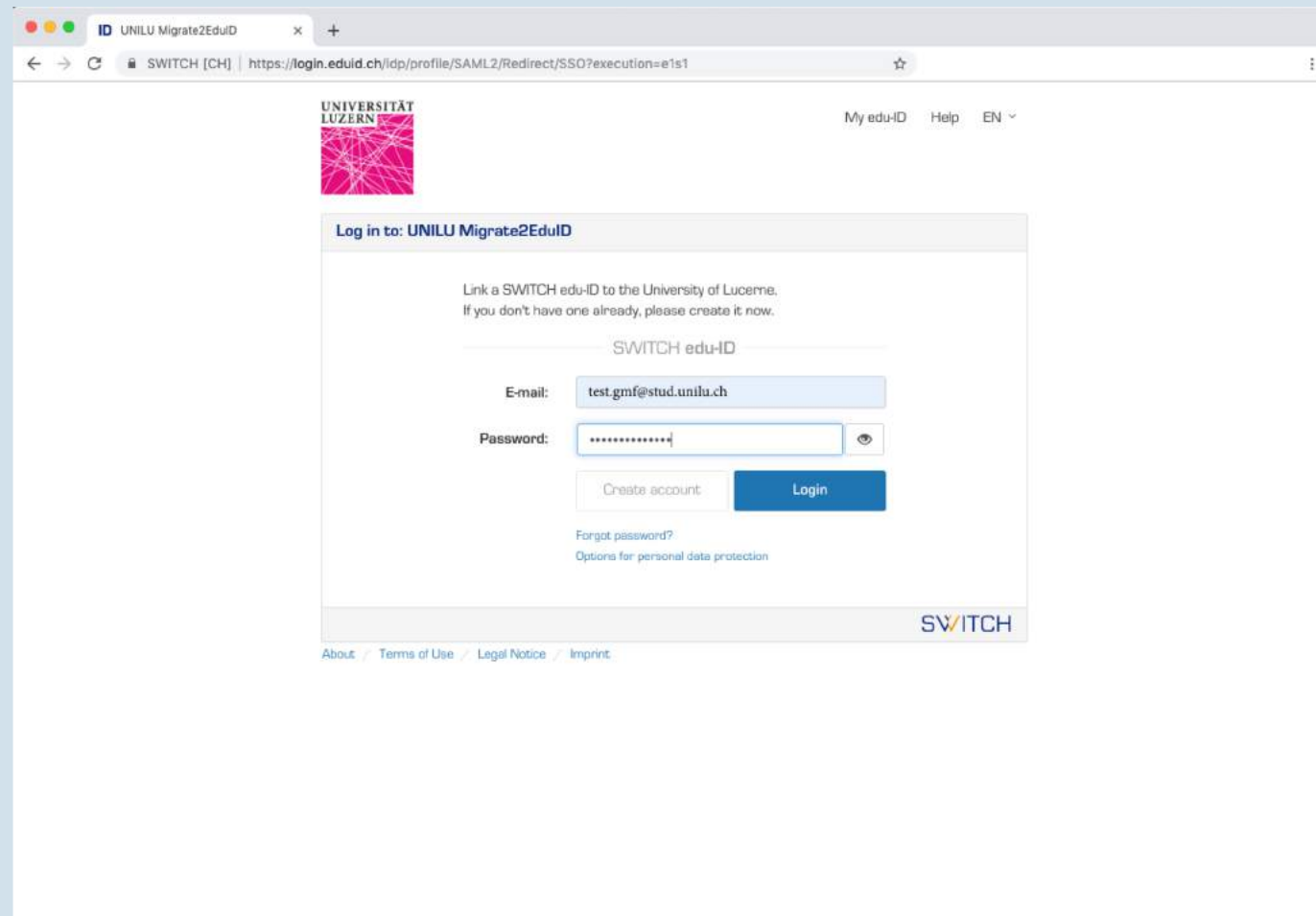
Password

Login

swissuniversities

III - Migration Website

Login with the SWITCH edu-ID



The screenshot shows a web browser window with the title "UNILU Migrate2EduID". The address bar shows the URL "https://login.eduid.ch/ldp/profile/SAML2/Redirect/SSO?execution=e1s1". The page features the University of Lucerne logo and navigation links for "My edu-ID", "Help", and "EN". The main content area is titled "Log in to: UNILU Migrate2EduID" and contains instructions to link a SWITCH edu-ID to the University of Lucerne. Below this, there are input fields for "E-mail" (containing "test.gmf@stud.unilu.ch") and "Password" (masked with dots). There are buttons for "Create account" and "Login". At the bottom, there are links for "Forgot password?" and "Options for personal data protection". The SWITCH logo is in the bottom right corner, and a footer contains links for "About", "Terms of Use", "Legal Notice", and "Imprint".

UNILU Migrate2EduID

SWITCH [CH] | https://login.eduid.ch/ldp/profile/SAML2/Redirect/SSO?execution=e1s1

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My edu-ID Help EN

Log in to: UNILU Migrate2EduID

Link a SWITCH edu-ID to the University of Lucerne.
If you don't have one already, please create it now.

SWITCH edu-ID

E-mail: test.gmf@stud.unilu.ch

Password:

Create account Login

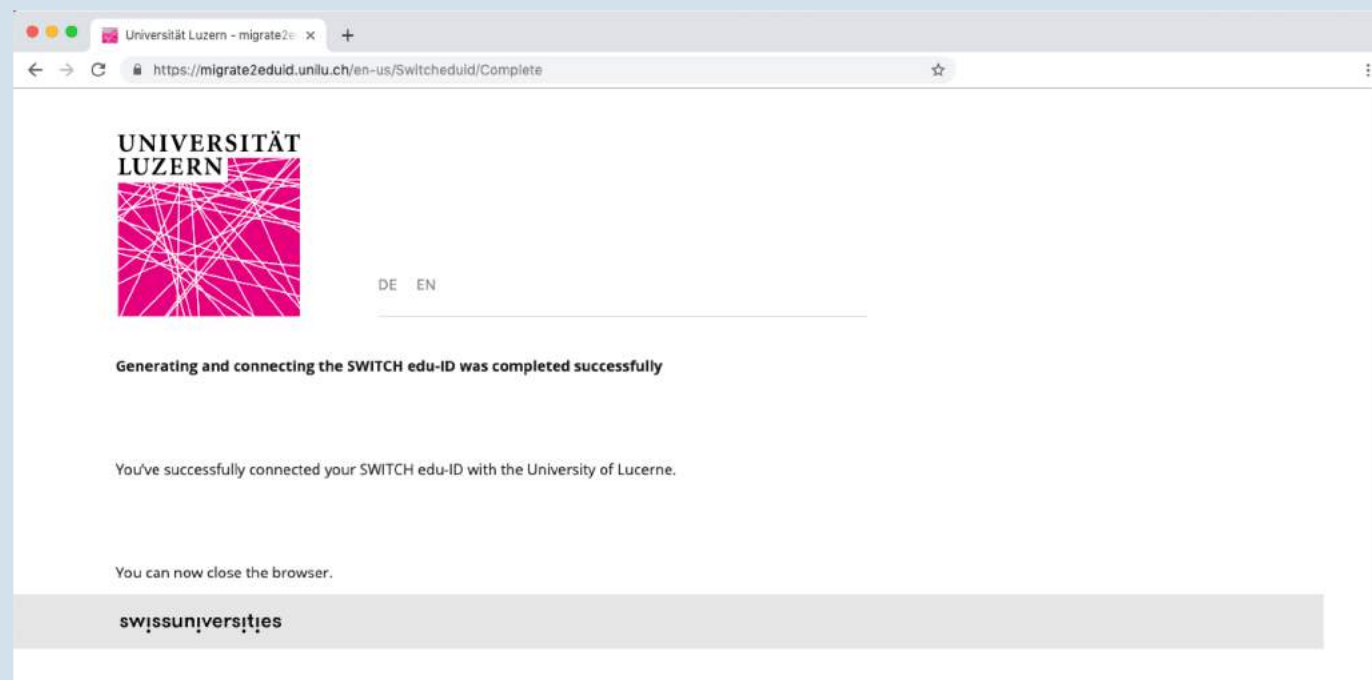
Forgot password?
Options for personal data protection

SWITCH

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III - Migration Website

- Saving of the edu-ID GUID after successful login.
- With the Sync-Tool, the data is synchronized via the SWITCH edu-ID API every 30 minutes.



IV - Sync-Tool for data synchronization

Goals

- Fully automated data synchronization via the SWITCH edu-ID API.
- UNILU identities (staff, students) are added, changed or deleted to SWITCH edu-ID accounts (one way sync to SWITCH) on the basis of the data in the administration solution.

Problems during the Project

- Delays in the introduction of the online registration for new students due to unclear internal deadlines.
- Double swissEduUniqueIDs resulted in adjustments to the administration solution and SWITCHaai SPs such as OLAT. As a consequence, the migration had to be postponed by one month.
- Due to the late completion of the edu-ID API by SWITCH, the data synchronization could only be completed, tested and launched very shortly before the migration.
- High support effort after the Migration for UNILU IT and SWITCH, as only around 50% of all university members had linked their SWITCHaai account with their edu-ID.

- Early agreements with responsible persons of internal processes and external service providers are essential and the basis for a successful implementation.
- 100% of all university members can be reached via newsletter, info website and e-mails but this information is often not read. It is not clear how this problem could be solved for future projects.
- New innovative services, which can only be used with SWITCH edu-ID, would significantly improve its acceptance in advance.

Project Completion

- On April 24th, we could officially finish the project.
- Around 85% of all university members have now a linked SWITCH edu-ID.
- Due to their function, some of our university staff members will probably not need a SWITCH edu-ID at all.
- As soon as we can combine eduroam with SWITCH edu-ID, another 5-10% of our users are expected to create an edu-ID.

- Add SWITCH edu-ID to the login area of the Alumni Portal.
- Extend online registration with SWITCH edu-ID for other university users such as audit students, further education students, etc..
- Rapidly introduce innovative projects such as eduroam with SWITCH edu-ID.

- Info Website
<https://www.unilu.ch/uni-leben/informatik/edu-id>
- Online Registration for new students
<https://portal.unilu.ch/site/besucher/anmeldung/en-us>
- Migration Website
<https://migrate2eduid.unilu.ch>
- External Partner for RelationDesk, UniPortal Migration Website & Sync-Tool
<https://www.leuchterag.ch/software-engineering/produkte/relation-desk/>
- SWITCH Story
<https://www.switch.ch/stories/university-of-lucerne-first-to-adopt-SWITCH-edu-ID/>