The early birds …

1. Work on their migration strategy

2. Show other birds how to “catch the worm”

EPFL, FHNW, UniFR, UniGE, Unil, UniSG, ZHAW
The “Meta-Directory” approach

Business Units
- HR
  - Employee mgt system
- Student admin
  - Student mgt system
- Cont. Educ.
  - Cont. educ. mgt system
- ??
  - “All others” mgt systems

IT Services
- “Meta” DB
- AAI IdP
- edu-ID IdM
- edu-ID IdP

User data flow
The “Centralised provisioning” approach

Business Units

- HR
  - Employee mgt system

- Student admin
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- Cont. Educ.
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- ??
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IT Services

- “Meta” DB
- Provisioning engine
- AAI IdP

SWITCH

- edu-ID IdM
- edu-ID IdP

User data flow
The “Leading System” approach

Business Units

- HR
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- Student admin
  - Student mgt system
- Cont. Educ.
  - Cont. educ. mgt system

IT Services

- Leading system
  - Provisioning engine
  - AAI IdP

SWITCH

- edu-ID
  - IdM
  - edu-ID IdP

User data flow
Supporting processes: “Meta-Directory”

IT Services

SWITCH

“Meta” DB

edu-ID IdM

Supporting processes

Challenges

Business Units

HR

Student mgt system

Student admin

Student mgt system

Cont. Educ.

Cont. educ. mgt system

“Meta” DB

“All others” mgt systems

Business Apps

(e.g. finance, communication)
Supporting processes: “Centralised provisioning”

**Business Units**

- HR
  - Employee mgt system
- Student admin
  - Student mgt system
- Cont. Educ.
  - Cont. educ. mgt system
- “All others” mgt systems

**IT Services**

- “Meta” DB
  - Provisioning engine

**Supporting processes**

- Business Apps (e.g. finance, communication)

**Challenges**

- Edu-ID(IdM)
- Supporting processes
Supporting processes: “Leading system”

Business Units

HR
- Employee mgt system

Student admin
- Student mgt system

Cont. Educ.
- Cont. educ. mgt system

IT Services

Leading system
- Provisioning engine

SWITCH

edu-ID IdM

Supporting processes

Challenges

Business Apps
(e.g. finance, communication)
Generic adoption scenarios

- Proposed adoption scenarios adapted to identity management ripeness
- Does not replace individual adaptation and planning efforts

Meta-Directory > Provisioning System > Leading System

> Generic adoption approach A1
> Generic adoption approach B1
> Generic adoption approach C1

> Generic adoption approach A2
> Generic adoption approach B2
> Generic adoption approach C2
## Identity Management Evolution

<table>
<thead>
<tr>
<th>Meta-Directory</th>
<th>Provisioning System</th>
<th>Leading System</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; Decentralised user management</td>
<td>&gt; Decentralised user management</td>
<td>&gt; Centralised core user management</td>
</tr>
<tr>
<td>&gt; Basic support to business applications</td>
<td>&gt; Single point of contact to business applications</td>
<td>&gt; Single point of contact to business applications</td>
</tr>
<tr>
<td>&gt; Crisscross processes between business applications and leading systems</td>
<td>&gt; Streamlined processes between business applications and provisioning system</td>
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</tr>
<tr>
<td>&gt; Role-scoped user management</td>
<td>&gt; Role-scoped user management</td>
<td>&gt; User-centric user management</td>
</tr>
<tr>
<td>&gt; Limited benefit of new SWITCH edu-ID features</td>
<td>&gt; Limited benefit of new SWITCH edu-ID features</td>
<td>&gt; Full benefit of new SWITCH edu-ID features</td>
</tr>
</tbody>
</table>

- Improved agility and support for business applications
- Stronger role of the IT department as integration orchestrator
And an element of future-proof-ness

More: https://www.switch.ch/edu-id/
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www.switch.ch/30years