L2P 2013 External Systems

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Goals

- **Flexible integration of new systems**
  - Easy to extend
  - Easy to add new systems

- **Single Sign On**
  - User should not need to sign in after already signed in to L²P

- **Allow Communication between L²P and external systems**
  - Get context information from L²P (course room, role)
  - Two way communication to write back information (later!)

- **Protect User Data**
  - Only provide data needed by the system
  - Additional data can be provided when DPO agrees
Solution

- **External systems are presented in an iFrame**
  - “seamless” integration to L²P

- **L²P provides an access token (ticket) as a GET parameter to the system**
  - System needs to provide a URL template

- **The system can validate the access token and get user information**
  - System dependent user id, unique per user and system
  - Course room id
  - Role of user in course room (student, tutor, manager)
Optional Process Overview

1. request authorization
2. provide access token
3. provide access token
4. request user information using access token
5. verify access token
6. provide user information
7. request CAMPUS information using access token
8. verify access token
9. provide CAMPUS information
10. provide CAMPUS information
Information Flow

GET https://system.rwth-aachen.de/login?access_token=5FF1E676F

GET https://elearning.rwth-aachen.de/external.svc/?access_token=5FF1E676F

{userid: "3E51613E5B553373", courseroom: "14ss-33627", roles="student"}

<html>...</html>
External API URLs

- https://demo5.elearning.rwth-aachen.de...
- https://demo2.elearning.rwth-aachen.de...
- https://www3.elearning.rwth-aachen.de...

→ Abfrage der Benutzerinformationen:
  →/_vti_bin/l2pservices/externalapi.svc/context?token={accesstoken}

→ Dokumentation
  →/_vti_bin/l2pservices/externalapi.svc/documentation

→ iFrame Höhenanpassung
  →/_layouts/15/l2pexternal/resizeme.js