

DFN-AAI

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What is DFN-AAI?

- DFN-AAI is a **service** of DFN-Verein
- DFN-AAI is based on **Shibboleth**
- DFN-AAI creates
 - necessary **relation of trust** between users and SP
 - **organisational / technical Framework** for the exchange of user information
- DFN-Verein is the **central contract partner** for all AAI-participants (excluding licences)
- DFN-Verein runs **central operational tasks**
- Workshops, seminars for information and teaching

- January 2006: DFN-PKI in service
- November 2006: concept of DFN-AAI + attributes
- March 2007: test system in operation
- April 2007: participants contract (IdP) and technical set-up
- Sept 2007: SP contract
- November 2007: start of operation
- September 2008: Shibboleth 2.0 in Test-AAI
- November 2008: definition of e-Learning attribute set

- **Libraries and publishers**

- See next slide

- **Software-Distribution**

- Dreamspark (MS), Sun Mirosystems, JOBZIPPERS

- **D-GRID**

- C3-Community (Climate), Text-Grid, INGRID, medi-Grid
 - SLCS in operation

- **E-Learning**

- Progressing in several federal States of Germany

- **Internal services of Universities and High Schooles**

- Access rights in Content Management Systems
 - Web-portals for Students

Initial push came from this application area!

- **Status:**
Appr. 30 **SP** contracts are signed:
Fachportal Bildung/FIS Bildung (DIPF), EBSCO, CSA
Illumina (ProQuest), OvidSP, ERL/WebSIRS (Ovid),
Munzinger, JSTOR, ScienceDirect (Elsevier), Gale/
Cengage Learning, Metapress with 174 Publishers, Web
of Science (Thomson), University Freiburg (REDI), HBZ
(Vascoda), University Göttingen (National Licenses), ...
- Actual tendency to deploy **Shibboleth** paved the way
- Appr. 40 participant contracts (**IdP**)

- Object classes
 - **inetOrgPerson** (mit person und organizationalPerson)
 - **eduPerson**
- Mandatory and recommended Attributes
- Mandatory:
 - **surname** Nachname
 - **mail** Mailadresse
 - **eduPersonPrincipleName** Name + Domain
 - **eduPersonScopedAffiliation** Rolle + Domain
 - **eduPersonEntitlement** Berechtigung
 - **eduPersonTargetedID** Pseudonym f. Anbieter
- Extension of the list of Attributes may be triggered by new applications or requirements of the users

- **Working group with members from different E-Learning-environments:**
 - Jörg Deutschmann, TU Ilmenau
 - Peter Gietz, DAASI International GmbH
 - Wolfgang Hommel, Leibniz-Rechenzentrum
 - Renate Schroeder, DFN-Verein
 - Jens Schwendel, BPS Bildungsportal Sachsen
 - Tobias Thelen, Universität Osnabrück
- **Objective: Specification of specific attributes for Learning Management Systems**

- **Specification of 16 attributes**
 - Authorisation related
 - Application support
- **All attributes are optional**
- **Necessary attributes in most cases not in Standard object classes**
 - Exception: preferred Language and
- **SCHAC attributes**
 - Geburtsdatum (schacDateOfBirth)
 - Geschlecht (schacGender)
 - Matrikelnummer (schacPersonalUniqueCode)
- **deEduPerson schema**

- **IdPs provide different quality of authentication**
- **SPs have different requirements**
- **Degrees (Levels) under discussion**
 - Undefined, basic, advanced, high level
- **Looking for international agreements**



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In der DFN-AAI kommen Zertifikate in drei Bereichen zum Einsatz:

- zur Verschlüsselung der Metadaten
- für die Kommunikation der beteiligten Server/ Clients
- ggfs. zur Authentifizierung von Nutzern

DFN-PKI ist vorhanden!