

# OLAT - Online Learning And Training

AAI Info-Day 7. December 2004

Florian Gnägi, Mike Stock

Multimedia & E-Learning Services, University of Zurich



# Agenda

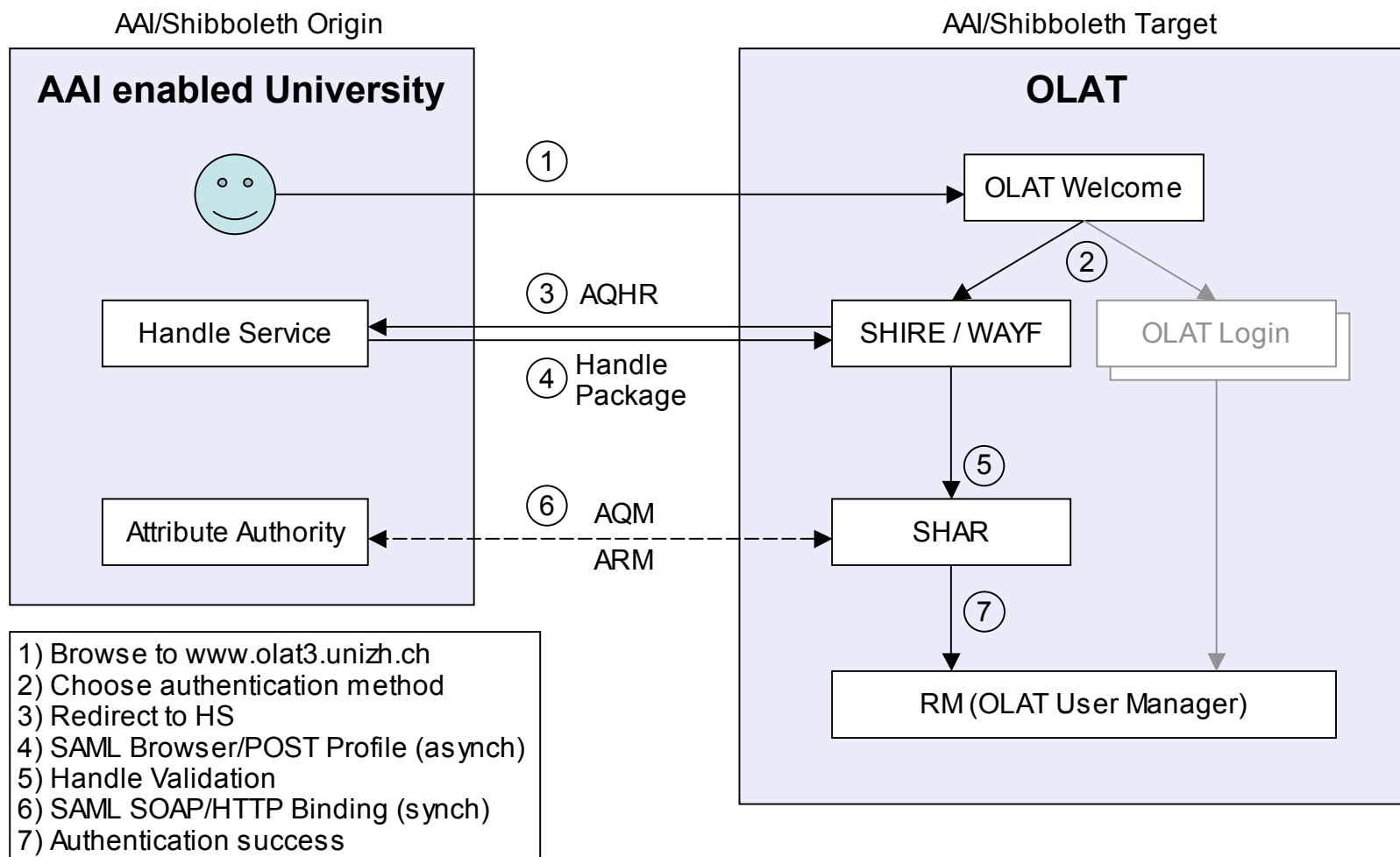
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- AAI implementation in OLAT
  - Goals
  - Workflow and Implementation
  - Major Issues
- OLAT Live Demo
  - AAI login
  - User mapping
  - Course preconditions
- Questions and Answers

# Goals

- Seamless integration of AAI/Shibboleth into OLAT from a user's point of view
- Co-existence of AAI/Shibboleth with alternative authentication mechanisms
- Minimal setup requirements for administrators
  - No additional software needed
  - Configuration of AAI/Shibboleth within OLAT

# Workflow



# Implementation

- Implementation of SHIRE, WAYF and SHAR in OLAT (Java/Tomcat)
- Based on freely available OpenSAML
- WAYF based on Shibboleth Origin Reference Implementation
- SHIRE/SHAR implementation based on OpenSAML code reviews and Shibboleth Architecture DRAFT v05

# Features

- Configuration within olat\_config.xml
- WAYF includes sites.xml watchdog
- Handle validation according to Shibboleth Architecture DRAFT
  - I.e. Issuer, Issue Instant, Recipient, Signature, Subject IP and optional Client Cert validation (outside standard's scope)
- Attribute translation and propagation within OLAT
- OLAT user profile mapping
- Generic Shibboleth implementation

# Major Issues (1/2)

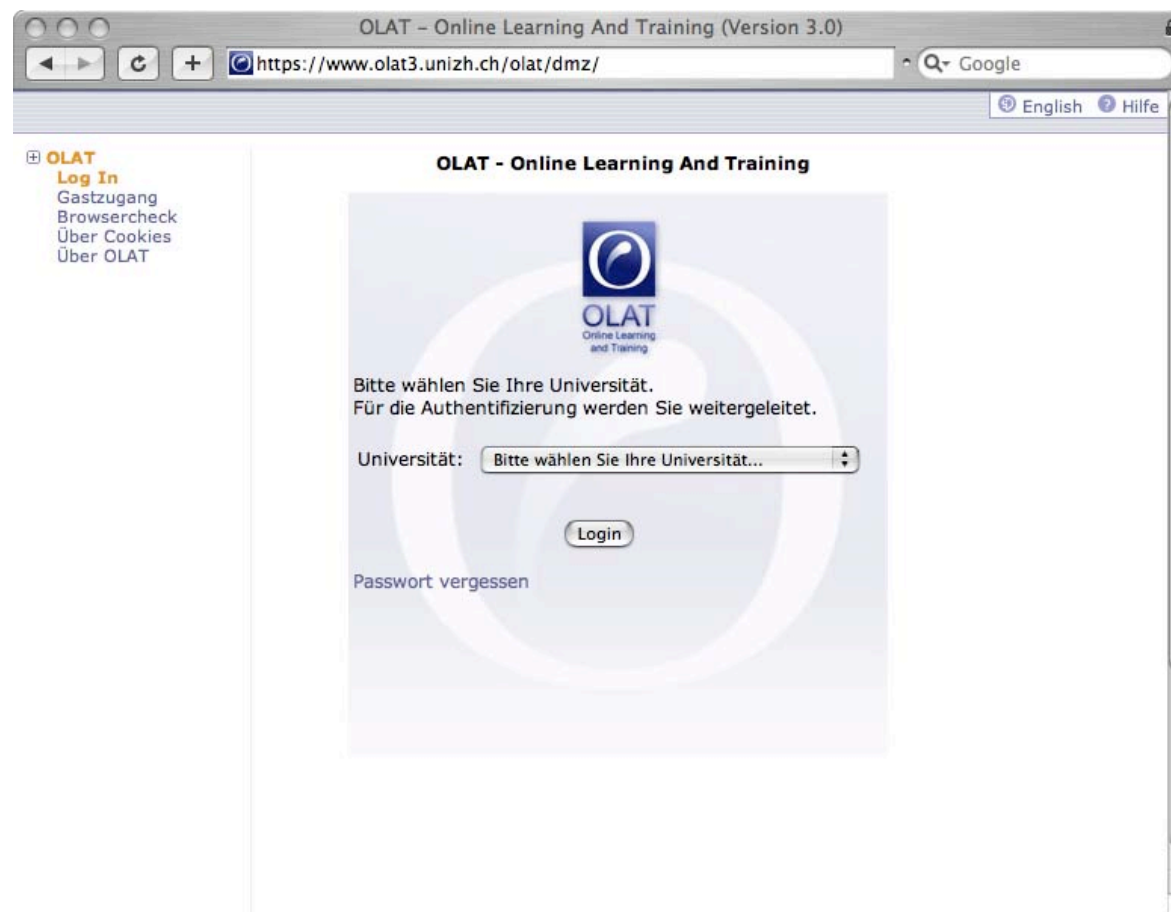
- Missing AAI attributes
  - Students registering in a minor field of study
    - ⇒ grant access through OLAT groups
  - Assistants and professors
    - ⇒ Uni ZH specific solution
  - Missing registration number (Matrikelnummer)
    - ⇒ Uni ZH specific solution
- No logout defined by Shibboleth standard
  - Users working at same computer may take over accounts by accident

# Major Issues (2/2)

- User acceptance
  - AAI certificates not signed by known root CA
  - User is unfamiliar with AAI and its concept of redirecting to Home Site for authentication
- Browser issues
  - Session lost after redirects with Netscape 7.0
- OpenSAML library patches needed
  - Send SAMLRequests' IssueInstant w/o millis
  - Allow custom Trust Manager in SOAPBinding



# Live Demo



# Information Sources

Multimedia und E-Learning Services,  
University of Zurich

[http://www.id.unizh.ch/mels/  
support@olat.unizh.ch](http://www.id.unizh.ch/mels/support@olat.unizh.ch)

OLAT Main Server

<http://www.olat3.unizh.ch>  
(Login as Guest)

OLAT Open Source Project

<http://www.olat.org>

# Questions & Answers

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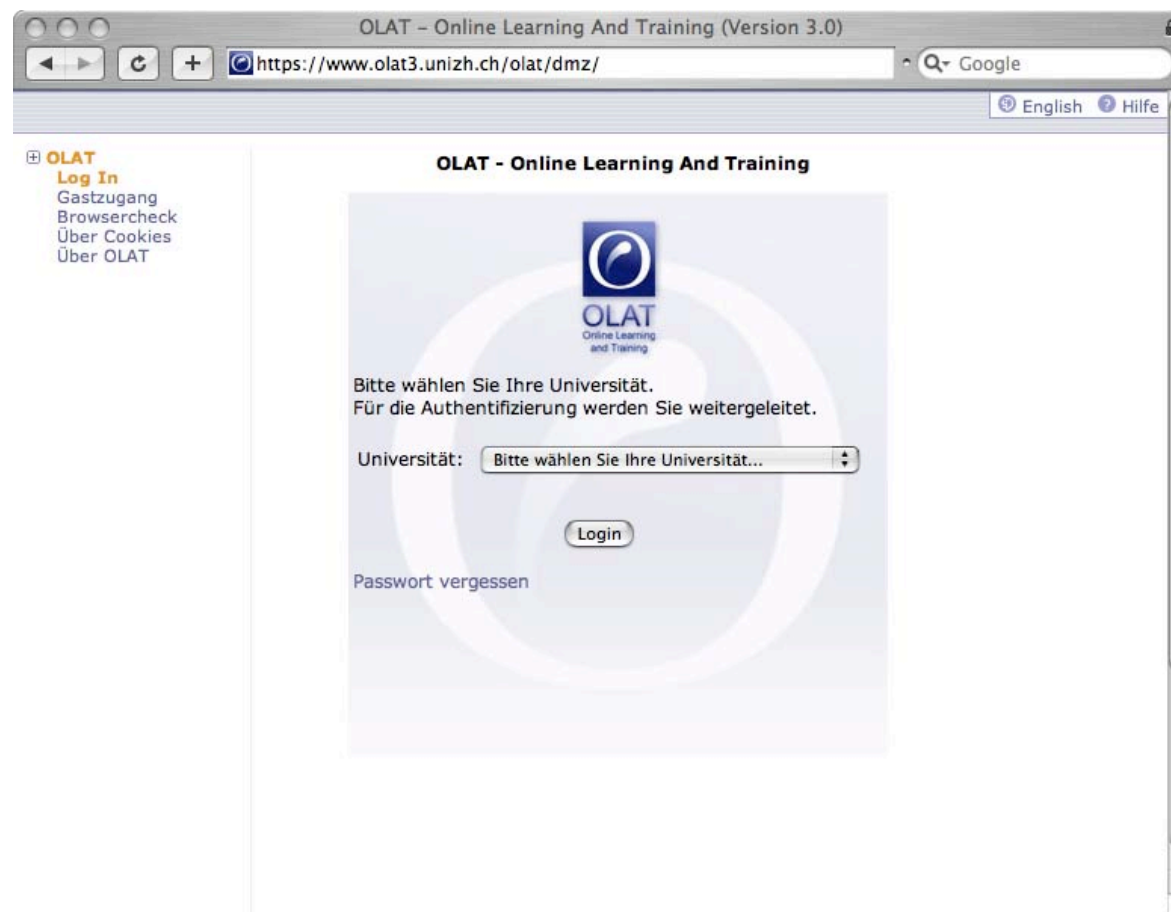
<http://www.olat.org>

# Live Demo (Screenshots)

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The following slides provide screenshots of the live demo.

# OLAT Login Screen



# Handle Service Uni ZH



Universität Zürich AAI Login

https://aai.unizh.ch/login/

Universität Zürich  
AAI Login

The resource you requested requires you to authenticate.

LOGIN

UniAccess-Login  Passwort

Please use your [UniAccess account](#) to authenticate.  
This login gives you an 8-hour access without repeated authentication to [AAI protected](#) web resources.

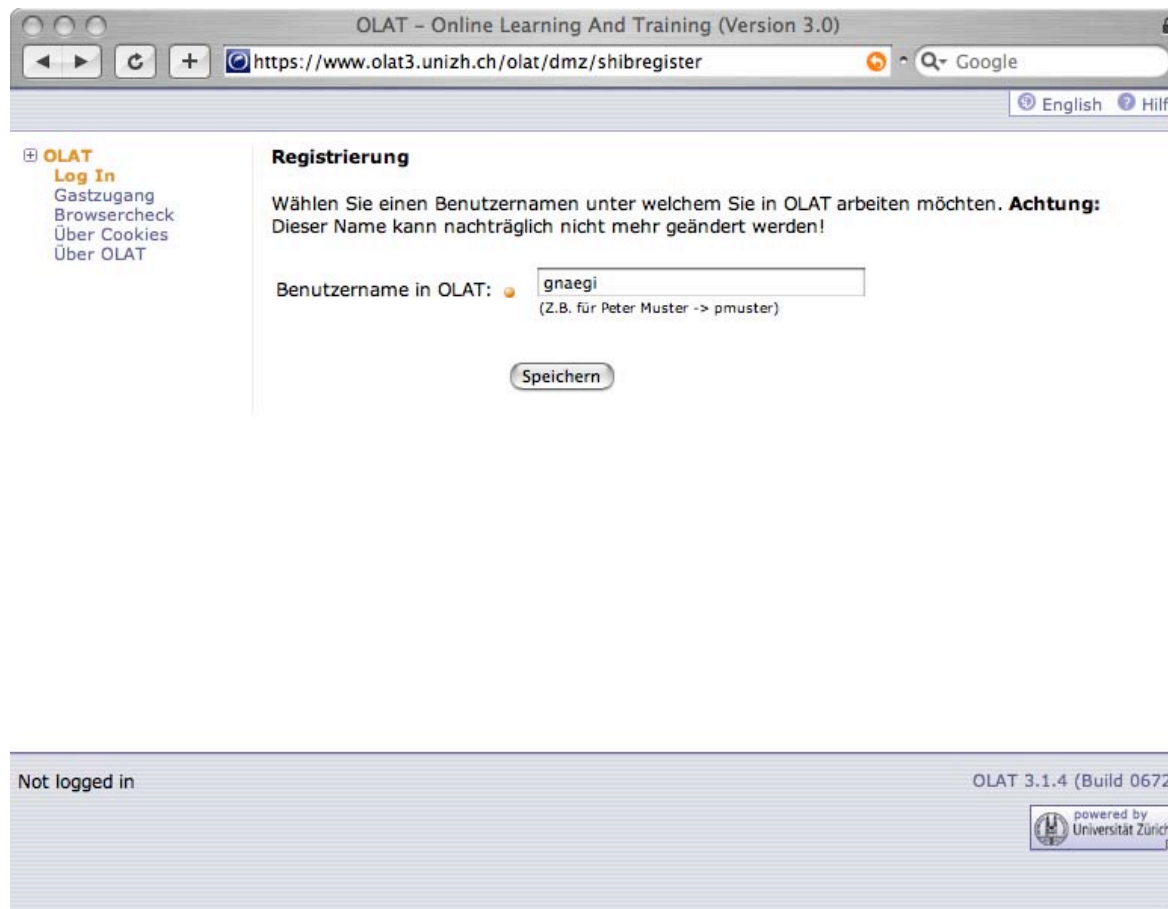
Bitte benutzen sie Ihren [UniAccess Zugriff](#) zur Authentifizierung.  
Dieses Login gibt Ihnen einen für 8 Stunden gültigen Zugriff auf [AAI geschützte](#) Webseiten.

**WARNING:** Protect your privacy! Prevent unauthorized use!  
Completely exit your web browser when you are finished.

**WARNUNG:** Schützen sie Ihren Account vor unerlaubtem Zugriff!  
Schliessen sie Ihren Webbrowser, wenn sie mit der Arbeit fertig sind.

21.11.03 / AAIadm

# Registration (1/3)



The screenshot shows a web browser window titled "OLAT - Online Learning And Training (Version 3.0)". The address bar contains the URL "https://www.olat3.unizh.ch/olat/dmz/shibregister". The page content includes a sidebar with "OLAT" and "Log In" links, and a main section titled "Registrierung". The registration form asks for a username, with an example "gnaegi" and a note that the name cannot be changed later. A "Speichern" button is located below the input field. The footer of the page indicates "Not logged in" and "OLAT 3.1.4 (Build 0672)", along with a logo for "powered by Universität Zürich".

OLAT - Online Learning And Training (Version 3.0)

https://www.olat3.unizh.ch/olat/dmz/shibregister

English Hilfe

**OLAT**  
Log In  
Gastzugang  
Browsercheck  
Über Cookies  
Über OLAT

**Registrierung**

Wählen Sie einen Benutzernamen unter welchem Sie in OLAT arbeiten möchten. **Achtung:** Dieser Name kann nachträglich nicht mehr geändert werden!

Benutzername in OLAT:   
(Z.B. für Peter Muster -> pmuster)

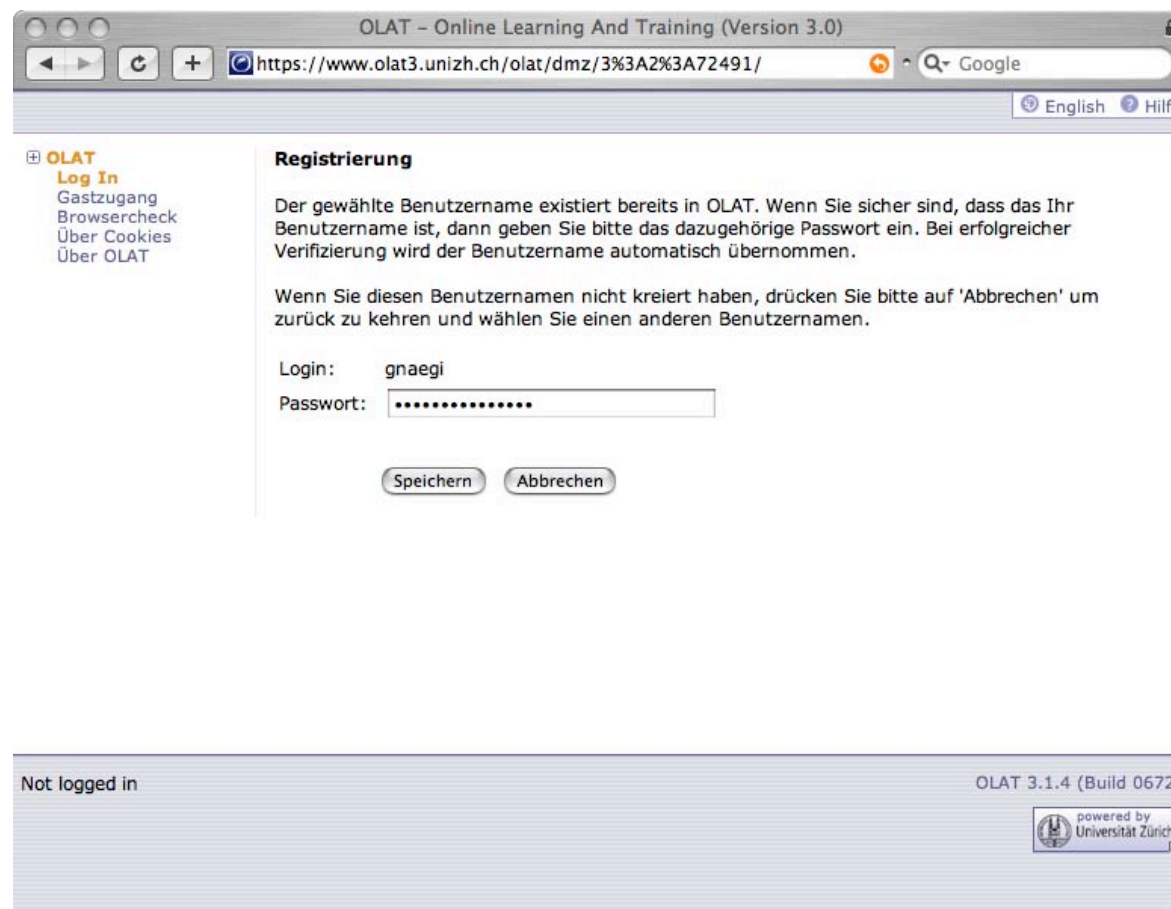
Speichern

Not logged in

OLAT 3.1.4 (Build 0672)

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# Registration (2/3)



OLAT - Online Learning And Training (Version 3.0)

https://www.olat3.unizh.ch/olat/dmz/3%3A2%3A72491/ Google

English Hilfe

**OLAT**  
Log In  
Gastzugang  
Browsercheck  
Über Cookies  
Über OLAT

### Registrierung

Der gewählte Benutzername existiert bereits in OLAT. Wenn Sie sicher sind, dass das Ihr Benutzername ist, dann geben Sie bitte das dazugehörige Passwort ein. Bei erfolgreicher Verifizierung wird der Benutzername automatisch übernommen.

Wenn Sie diesen Benutzernamen nicht kreiert haben, drücken Sie bitte auf 'Abbrechen' um zurück zu kehren und wählen Sie einen anderen Benutzernamen.

Login: gnaegi  
Passwort: .....

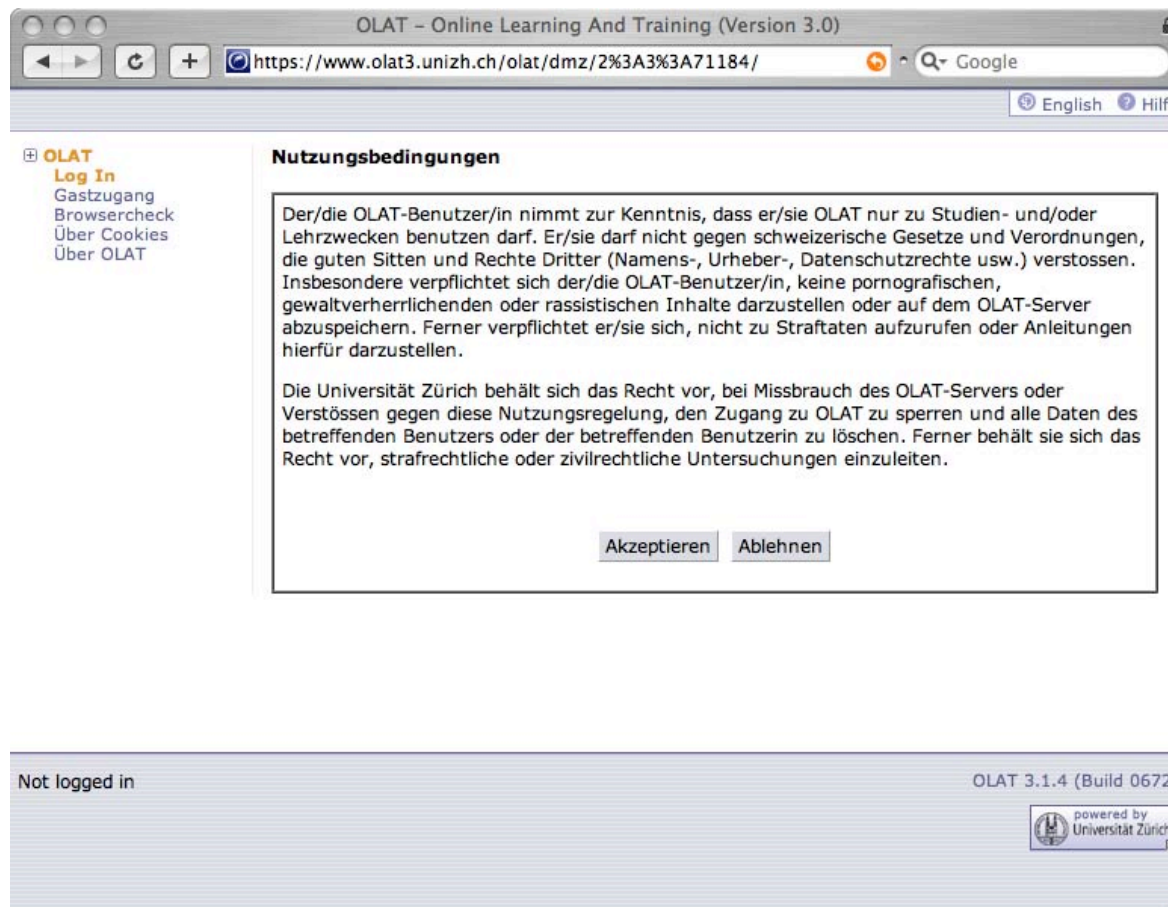
Speichern Abbrechen

Not logged in

OLAT 3.1.4 (Build 0672)  
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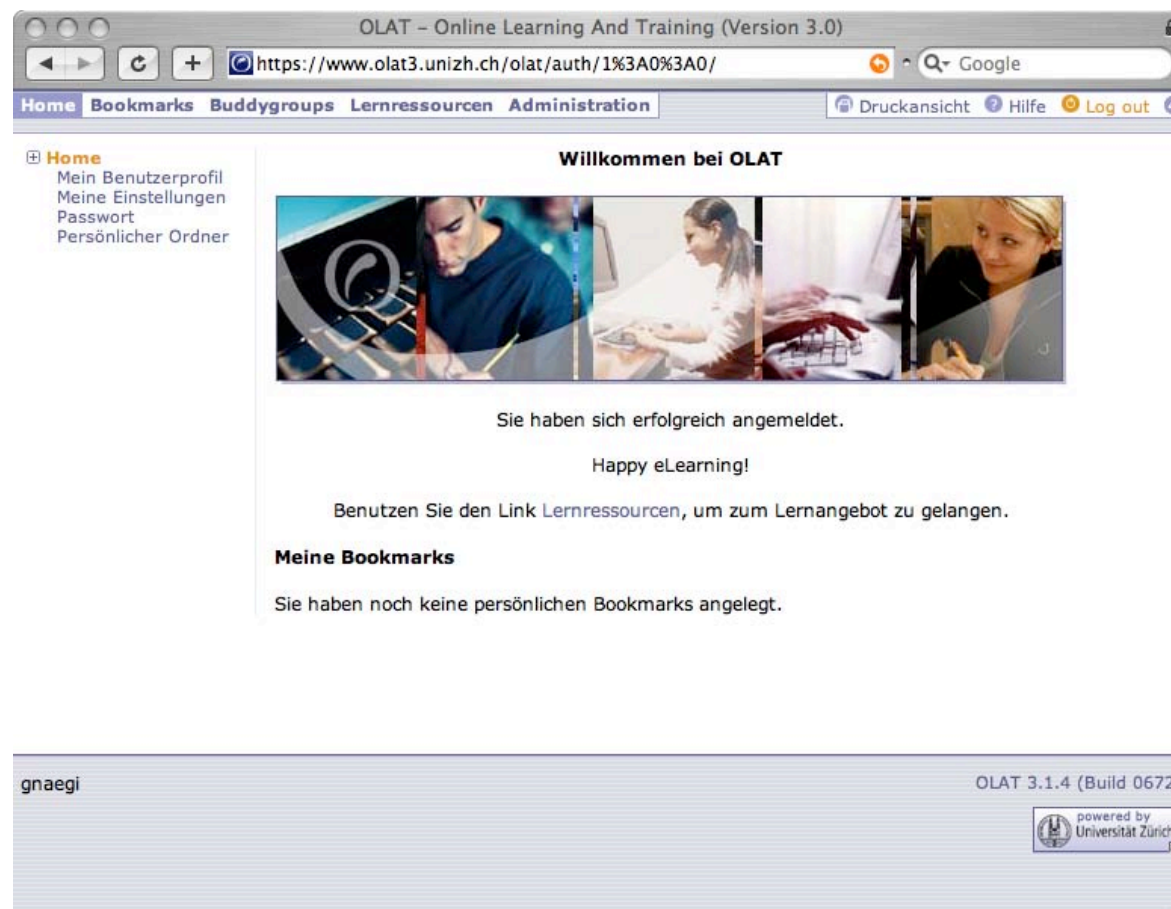


# Registration (3/3)



The screenshot shows a web browser window titled "OLAT - Online Learning And Training (Version 3.0)". The address bar contains the URL "https://www.olat3.unizh.ch/olat/dmz/2%3A3%3A71184/". The search bar contains "Google". The page is in English. On the left side, there is a navigation menu with the following items: "OLAT", "Log In", "Gastzugang", "Browsercheck", "Über Cookies", and "Über OLAT". The main content area displays the "Nutzungsbedingungen" (Terms and Conditions) dialog box. The text in the dialog box reads: "Der/die OLAT-Benutzer/in nimmt zur Kenntnis, dass er/sie OLAT nur zu Studien- und/oder Lehrzwecken benutzen darf. Er/sie darf nicht gegen schweizerische Gesetze und Verordnungen, die guten Sitten und Rechte Dritter (Namens-, Urheber-, Datenschutzrechte usw.) verstossen. Insbesondere verpflichtet sich der/die OLAT-Benutzer/in, keine pornografischen, gewaltverherrlichenden oder rassistischen Inhalte darzustellen oder auf dem OLAT-Server abzuspeichern. Ferner verpflichtet er/sie sich, nicht zu Straftaten aufzurufen oder Anleitungen hierfür darzustellen. Die Universität Zürich behält sich das Recht vor, bei Missbrauch des OLAT-Servers oder Verstößen gegen diese Nutzungsregelung, den Zugang zu OLAT zu sperren und alle Daten des betreffenden Benutzers oder der betreffenden Benutzerin zu löschen. Ferner behält sie sich das Recht vor, strafrechtliche oder zivilrechtliche Untersuchungen einzuleiten." Below the text are two buttons: "Akzeptieren" and "Ablehnen". At the bottom of the browser window, it says "Not logged in" on the left and "OLAT 3.1.4 (Build 0672)" on the right. There is also a small logo for "powered by Universität Zürich" in the bottom right corner.


# OLAT Home



The screenshot shows a web browser window titled "OLAT - Online Learning And Training (Version 3.0)". The address bar contains the URL "https://www.olat3.unizh.ch/olat/auth/1%3A0%3A0/". The browser's navigation bar includes "Home", "Bookmarks", "Buddygroups", "Lernressourcen", and "Administration". There are also links for "Druckansicht", "Hilfe", and "Log out".

**Home**  
Mein Benutzerprofil  
Meine Einstellungen  
Passwort  
Persönlicher Ordner

**Willkommen bei OLAT**



Sie haben sich erfolgreich angemeldet.  
Happy eLearning!

Benutzen Sie den Link [Lernressourcen](#), um zum Lernangebot zu gelangen.

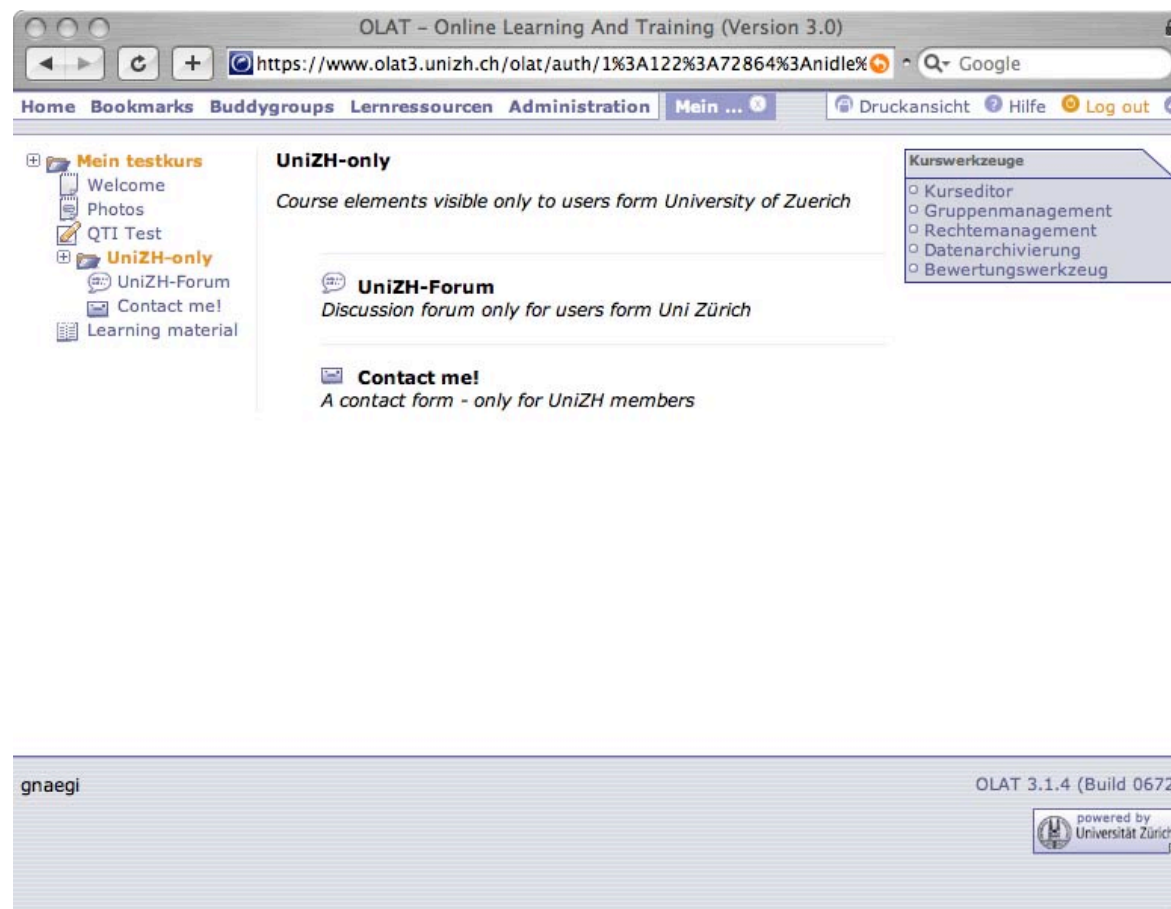
**Meine Bookmarks**

Sie haben noch keine persönlichen Bookmarks angelegt.

gnaegi OLAT 3.1.4 (Build 0672)

powered by  
Universität Zürich

# Course for Uni ZH students

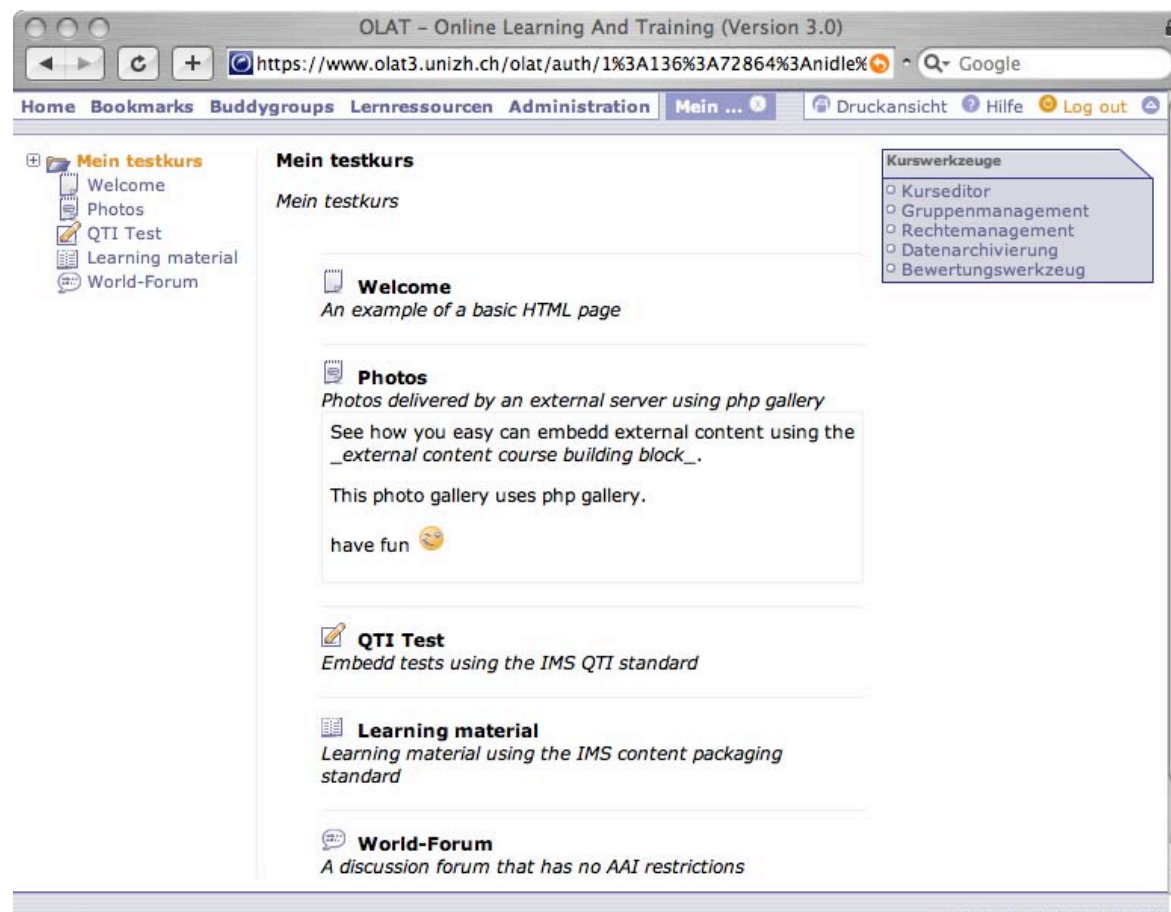


The screenshot shows a web browser window titled "OLAT - Online Learning And Training (Version 3.0)". The address bar contains the URL "https://www.olat3.unizh.ch/olat/auth/1%3A122%3A72864%3AAnidle%". The browser's search bar contains "Google". The page has a navigation menu with "Home", "Bookmarks", "Buddygroups", "Lernressourcen", "Administration", and "Mein ...". Below the navigation menu, there are three main sections:

- Mein testkurs**: A list of items including "Welcome", "Photos", "QTI Test", "UniZH-only", "UniZH-Forum", "Contact me!", and "Learning material".
- UniZH-only**: A section titled "Course elements visible only to users form University of Zuerich" containing "UniZH-Forum" (Discussion forum only for users form Uni Zürich) and "Contact me!" (A contact form - only for UniZH members).
- Kurswerkzeuge**: A list of tools including "Kurseditor", "Gruppenmanagement", "Rechtmanagement", "Datenarchivierung", and "Bewertungswerkzeug".

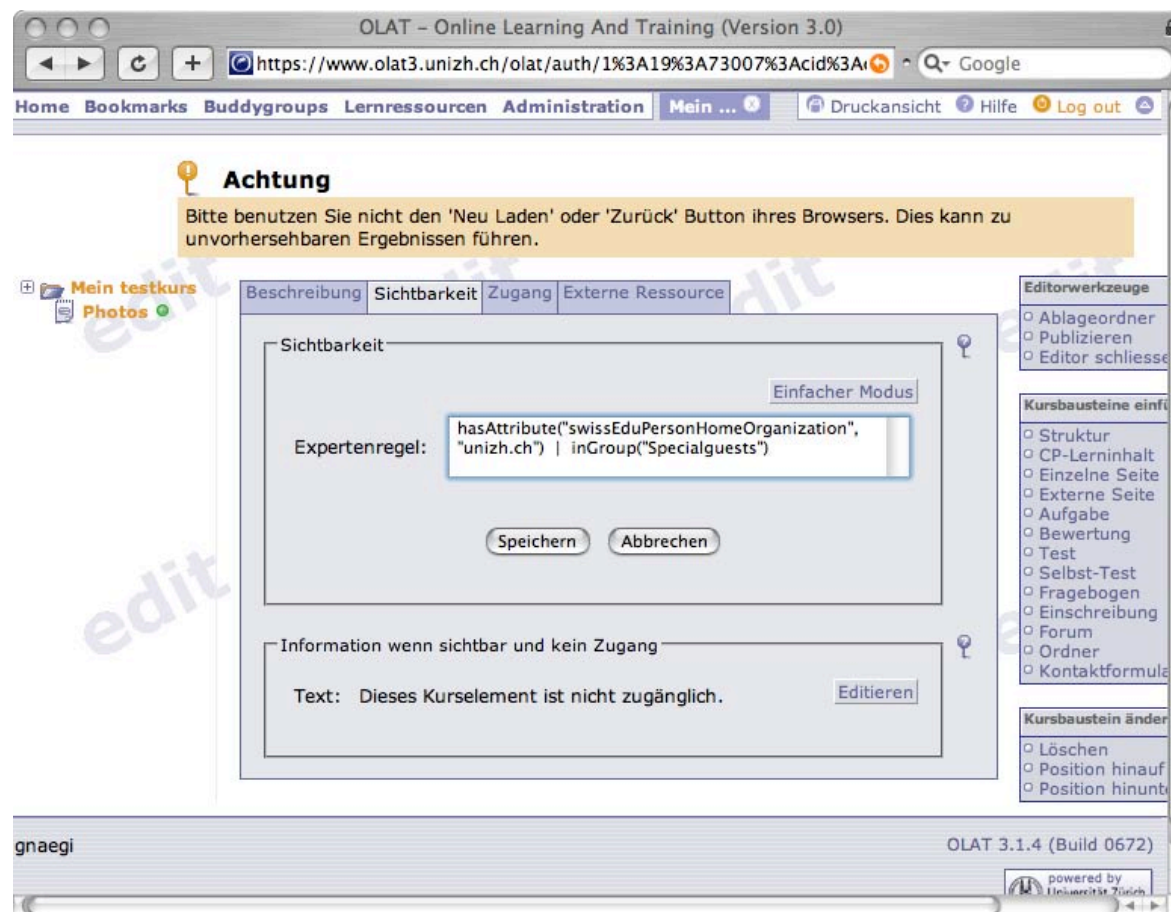
At the bottom of the page, the text "gnaegi" is visible on the left, and "OLAT 3.1.4 (Build 0672)" and "powered by Universität Zürich" are visible on the right.

# Course for all other students



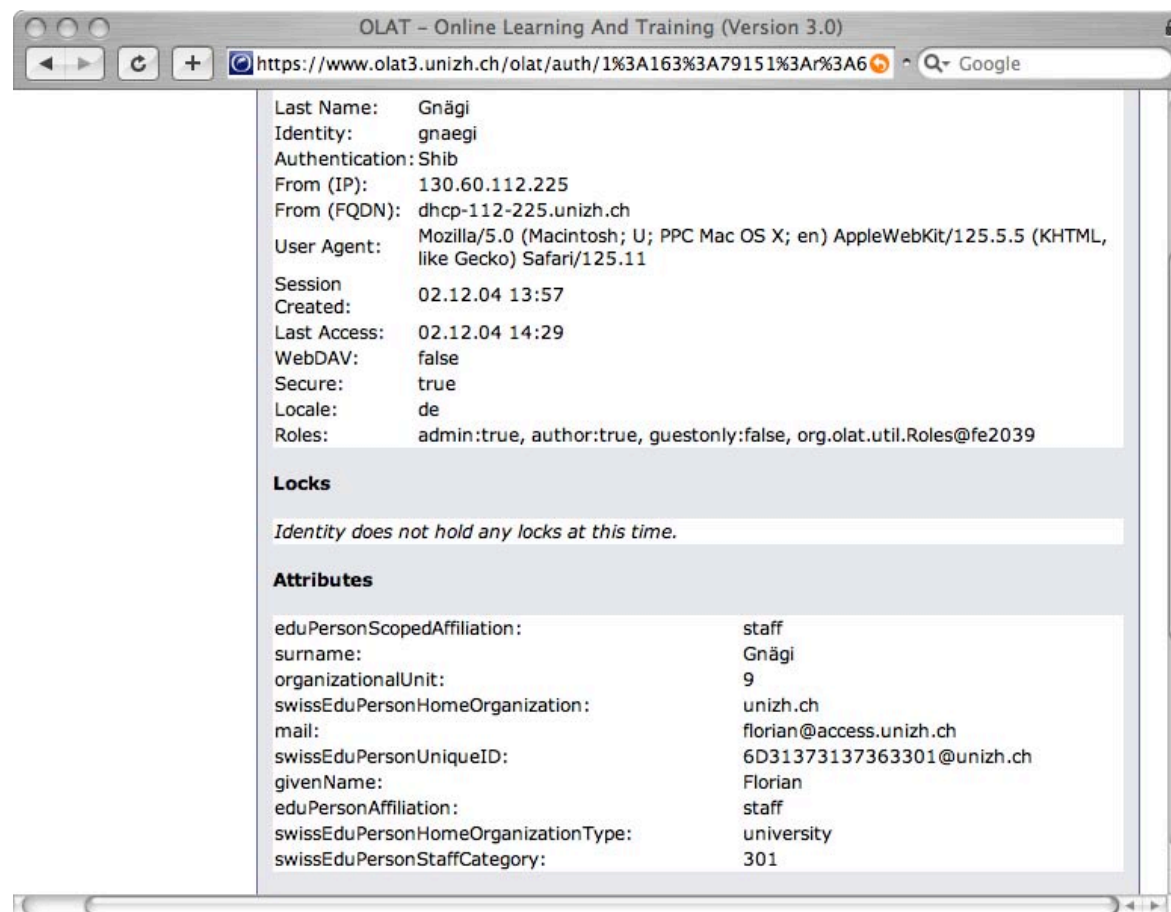
The screenshot displays the OLAT (Online Learning And Training) interface, version 3.0, running in a web browser. The browser's address bar shows the URL: <https://www.olat3.unizh.ch/olat/auth/1%3A136%3A72864%3AAnidle%3A>. The page features a navigation menu with links for Home, Bookmarks, Buddygroups, Lernressourcen, Administration, and Mein ... (My ...). A search bar with the Google logo is also present. The main content area is titled 'Mein testkurs' and contains several sections: 'Welcome' (An example of a basic HTML page), 'Photos' (Photos delivered by an external server using php gallery), 'QTI Test' (Embedd tests using the IMS QTI standard), 'Learning material' (Learning material using the IMS content packaging standard), and 'World-Forum' (A discussion forum that has no AAI restrictions). A sidebar on the right lists 'Kurswerkzeuge' (Course Tools) including Kurseditor, Gruppenmanagement, Rechtenmanagement, Datenarchivierung, and Bewertungswerkzeug. The browser's address bar also shows a search bar with the Google logo.

# Course: AAI Preconditions



The screenshot shows the OLAT web interface in a browser window. The browser title is "OLAT - Online Learning And Training (Version 3.0)". The address bar shows the URL: <https://www.olat3.unizh.ch/olat/auth/1%3A19%3A73007%3Acid%3A>. The browser has several tabs open, including "Home", "Bookmarks", "Buddygroups", "Lernressourcen", "Administration", and "Mein ...". The main content area displays a course editing interface. At the top, there is a warning message: "Achtung: Bitte benutzen Sie nicht den 'Neu Laden' oder 'Zurück' Button ihres Browsers. Dies kann zu unvorhersehbaren Ergebnissen führen." Below this, there are several tabs: "Beschreibung", "Sichtbarkeit", "Zugang", and "Externe Ressource". The "Sichtbarkeit" tab is active, showing an "Expertenregel" field with the text: `hasAttribute("swissEduPersonHomeOrganization", "unizh.ch") | inGroup("Specialguests")`. There are "Speichern" and "Abbrechen" buttons below the field. Below the field, there is a section for "Information wenn sichtbar und kein Zugang" with the text: "Dieses Kurselement ist nicht zugänglich." and an "Editieren" button. On the right side, there are two panels: "Editorwerkzeuge" with options like "Ablageordner", "Publizieren", and "Editor schliesse"; and "Kursbausteine einfu" with options like "Struktur", "CP-Lerninhalt", "Einzelne Seite", "Externe Seite", "Aufgabe", "Bewertung", "Test", "Selbst-Test", "Fragebogen", "Einschreibung", "Forum", "Ordner", and "Kontaktformule". At the bottom, there is a footer with "gnaegi" on the left and "OLAT 3.1.4 (Build 0672)" on the right, along with a "powered by Universität Zürich" logo.

# Admin: Session view



OLAT - Online Learning And Training (Version 3.0)

https://www.olat3.unizh.ch/olat/auth/1%3A163%3A79151%3Ar%3A6 - Google

Last Name: Gnägi  
 Identity: gnaegi  
 Authentication: Shib  
 From (IP): 130.60.112.225  
 From (FQDN): dhcp-112-225.unizh.ch  
 User Agent: Mozilla/5.0 (Macintosh; U; PPC Mac OS X; en) AppleWebKit/125.5.5 (KHTML, like Gecko) Safari/125.11  
 Session Created: 02.12.04 13:57  
 Last Access: 02.12.04 14:29  
 WebDAV: false  
 Secure: true  
 Locale: de  
 Roles: admin:true, author:true, guestonly:false, org.olat.util.Roles@fe2039

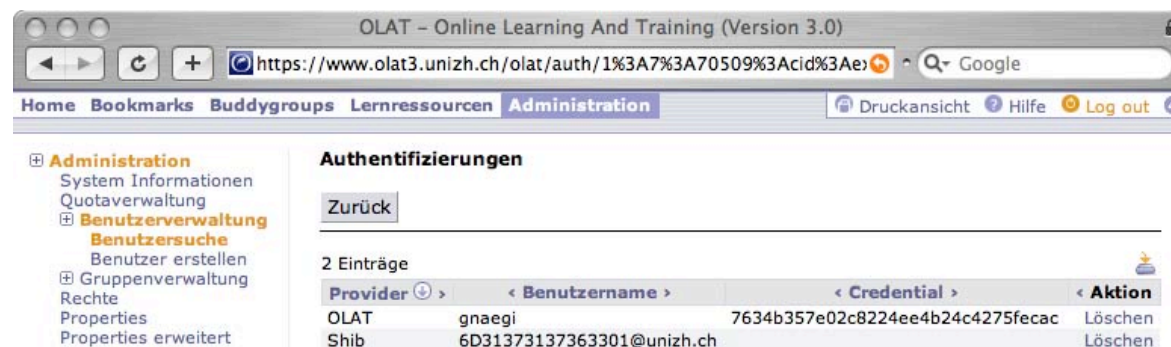
**Locks**

*Identity does not hold any locks at this time.*

**Attributes**

eduPersonScopedAffiliation:	staff
surname:	Gnägi
organizationalUnit:	9
swissEduPersonHomeOrganization:	unizh.ch
mail:	florian@access.unizh.ch
swissEduPersonUniqueID:	6D31373137363301@unizh.ch
givenName:	Florian
eduPersonAffiliation:	staff
swissEduPersonHomeOrganizationType:	university
swissEduPersonStaffCategory:	301

# Admin: Authentications view



OLAT - Online Learning And Training (Version 3.0)

https://www.olat3.unizh.ch/olat/auth/1%3A7%3A70509%3Acid%3Ae

Home Bookmarks Buddygroups Lernressourcen Administration Druckansicht Hilfe Log out

- Administration
  - System Informationen
  - Quotaverwaltung
  - Benutzerverwaltung
    - Benutzersuche
    - Benutzer erstellen
  - Gruppenverwaltung
  - Rechte
  - Properties
  - Properties erweitert

### Authentifizierungen

Zurück

2 Einträge

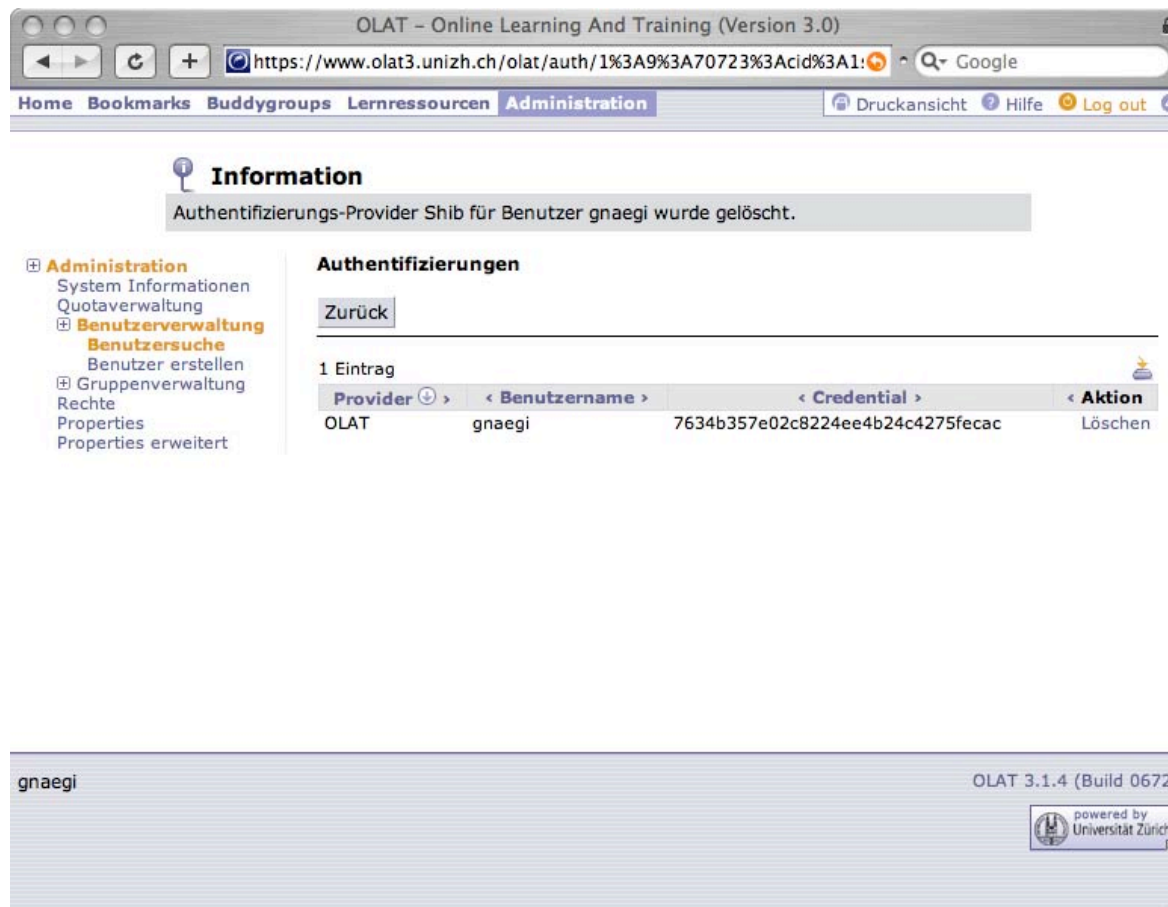
Provider	Benutzername	Credential	Aktion
OLAT	gnaegi	7634b357e02c8224ee4b24c4275fecac	Löschen
Shib	6D31373137363301@unizh.ch		Löschen

gnaegi

OLAT 3.1.4 (Build 0672)

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# Admin: Authentications view



OLAT – Online Learning And Training (Version 3.0)

https://www.olat3.unizh.ch/olat/auth/1%3A9%3A70723%3Acid%3A1: - Google

Home Bookmarks Buddygroups Lernressourcen Administration Druckansicht Hilfe Log out

**Information**  
Authentifizierungs-Provider Shib für Benutzer gnaegi wurde gelöscht.

**Administration**  
System Informationen  
Quotaverwaltung  
**Benutzerverwaltung**  
Benutzersuche  
Benutzer erstellen  
Gruppenverwaltung  
Rechte  
Properties  
Properties erweitert

**Authentifizierungen**  
Zurück

1 Eintrag

Provider	Benutzername	Credential	Aktion
OLAT	gnaegi	7634b357e02c8224ee4b24c4275fecac	Löschen

gnaegi

OLAT 3.1.4 (Build 0672)  
powered by Universität Zürich