

# AAI-enabling of WebCT CE @ ETHZ – the test stage

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# Introduction

## What is WebCT CE?

- > Worldwide established commercial LMS, quasi-standard in Switzerland
- > Based on Perl (will change with WebCT 6.x CE)
- > Little campus sister of WebCT Vista (enterprise size)

## WebCT @ ETHZ

- > Summer Term 1998: v. 1.x (50 seats, for ETHZ & Uni ZH)
- > v. 2.1, v. 3.1.x SE, v. 3.6 SE
- > Summer 2003: v. 4.0 CE
- > Autumn 2003: v. 4.1 CE + LDAP (n.ethz UID)
- > Summer Term 2005: v. 4.1 CE fully AAI enabled

# Introduction 2

## WebCT @ ETHZ

- > Operational Server: 5576 users, 157 courses --> 8259 seats
- > Test Server: 426 users, 2 courses --> 441 seats
- > Intel based dual processor machines
- > Red Hat Enterprise Linux 3 AS
  
- > We provide WebCT services for ETHZ, Uni ZH and a few universities of applied sciences
- > Idea: enabling of ETHZ WebCT with AAI
- > WebCT doesn't support Apache default authentication --> adaptor needed for using Shibboleth (i.e. AAI Portal)

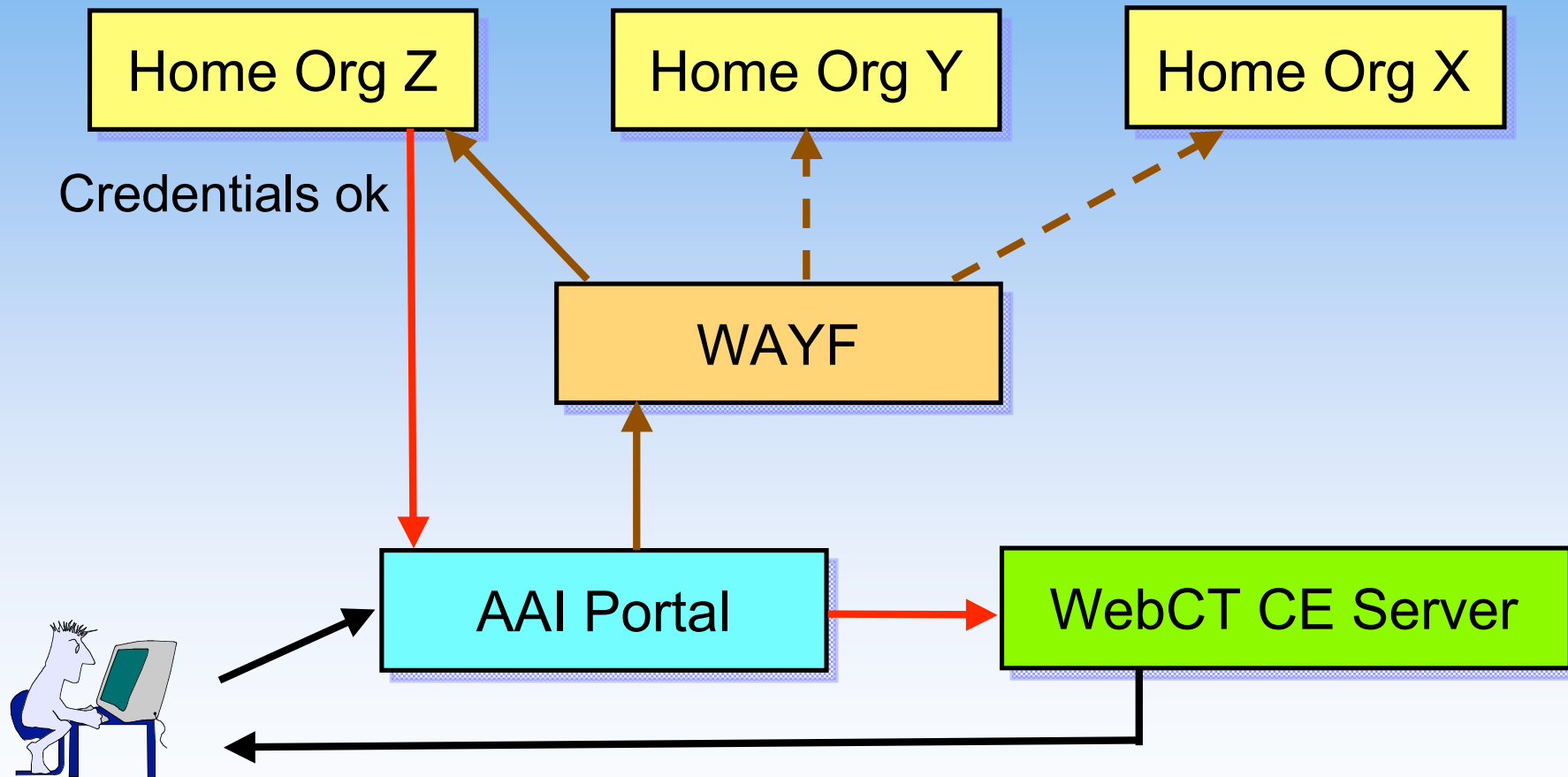
# Introduction 3

**In the meantime: the idea is grown to a medium-sized Project**

**Involved People:**

- **Simon Wieser & Giovanni Staunovo (KOF ETHZ)**
- **Ueli Kienholz & Valéry Tschopp (SWITCH: AAI)**
- **Roland Dietlicher, Vladislav Nespov & Swen Vermeulen (ID ETHZ: Basisdienste)**
- **Alfred Sohm (ID ETHZ: Betriebsinformatik)**
- **Christian Gehrig, Marco Lehre, Olivier Widmer, Thomas Piendl & Beat Müller (NET ETHZ)**

# AAI: "How it Works"



# Reenabling WebDAV

## WebDAV

- Set of extensions to the HTTP protocol which allows users to collaboratively edit and manage files on remote web servers
- Very efficient work with WebCT File Manager for course designers
- But Shibboleth works only with web browsers (so far)
- But it's still possible to use single signon and WebDAV in WebCT CE together (WebCT PWD ≠ WebDAV PWD)
- WebDAV over SSL has some drawbacks:
  - in Windows you cannot use Internet Explorer
  - in MacOS X you need a client software (e.g. Goliath)
  - in Linux you might work with Cadaver

# Importing Additional Attributes

<https://kohala.switch.ch/secure/>

## User information as provided by the Home Organization

<u>Given name</u>	Beat	<u>Home organization</u>	ethz.ch
<u>Surname</u>	Müller	<u>Home organization type</u>	university
<u>Affiliation</u>	staff	<u>Preferred language</u>	
<u>E-mail address</u>		<u>Mobile phone number</u>	
<u>Business postal address</u>		<u>Home postal address</u>	
<u>Business phone number</u>		<u>Private phone number</u>	
<u>Date of birth</u>		<u>Gender</u>	male
<u>Unique ID</u>			
<u>Member of</u>			
<u>Study branch 1</u>			
<u>Study branch 2</u>			
<u>Study branch 3</u>	4700		
<u>Study level</u>	4700-25		
<u>Staff category</u>			
<u>Organization path</u>			
<u>Organizational unit path</u>			

# Importing Additional Attributes 2

## Import of:

- > E-Mail Address
- > Study Branch (3)
- > Study Level

into WebCT course databases

## Usefull for course designers to

- > contact students
- > decide wether a student needs a certificate
- > group students



# *First Experiences*

See Simon Wieser's presentation

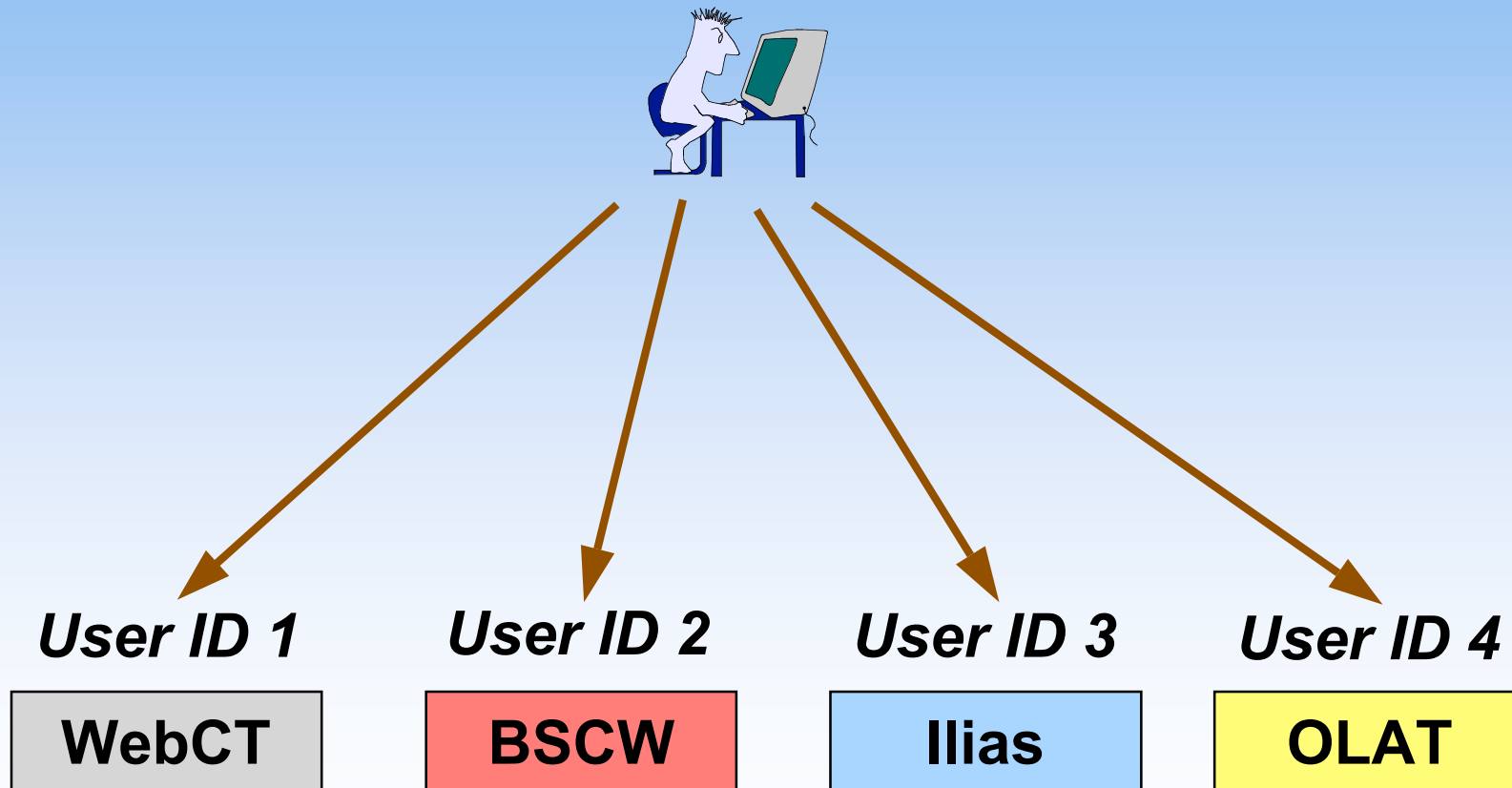


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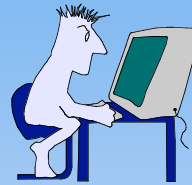


# Foresight

## > Import of other attributes



# Foresight 2



**1 User ID & 1 Password**

**Single Sign On System (e.g. AAI)**

**WebCT**

**BSCW**

**Ilias**

**OLAT**

**Many thanks to Roland Dietlicher, Ueli Kienholz,  
Vladislav Nespov, Alfred Sohm, Giovanni Staunovo,  
Valéry Tschopp, Swen Vermeulen and Simon Wieser  
for contributing and supporting this NET-project.**

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