CampusSource

Open Source Infrastructure Software for Educational Institutions

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Overview

• New demands on teaching and learning
• Features of infrastructure software
• Obtaining infrastructure software
• Situation in NRW
• Goal of the initiative - open source approach
• CampusSource software and project
• Summary
New demands on teaching and learning

- Training and learning material on request
- Independent of time and place
- Supervising over the internet
- Learning in groups

Meeting the demands: building virtual universities
Features of Software for Infrastructure

- providing general information
- administration of content and user data
- content delivery
- tools for creating multimedia content
- means of communication and interaction
- modular extensions
- integration into computer network and software
Administration of Content and User Data

- storage management for content
- administration of user groups
  - students
  - teaching staff
  - system administrators
Features of Software for Infrastructure

• providing general information
• administration of content and user data
• content delivery
• tools for creating multimedia content
• means of communication and interaction
• modular extensions
• integration into computer network and software
Obtaining Software

- proprietary software
- own implementation
- open source software

Open Source: Software Gets Honest
http://www.opensource.org/
Situation in 1999

Common need for a platforms

Proprietary software
No funds for developments from scratch
No open source software

However:
Several local successful research projects exist
Mission Statement

The goal of the initiative CampusSource:

• to start a cooperative process for developing software and software technology,

• to support the development of using new media with regard to education and further education.

Our Solution: Open source software
Open source approach
Enhancing cooperative processes

• Free Redistribution: The license may not require a royalty or other fee.

• Source Code: The program must include the source code.

• Derived Works: The license must allow modifications and derived works.

CampusSource: GPL
CampusSource - Quality Software

Documentation:

- User documentation
- Installation guide
- Technical documentation
- Source code documentation

Quality management by feedback
- Evaluation by user
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<th>Service/Function</th>
<th>ILIAS</th>
<th>OpenUSS</th>
<th>uni-online</th>
<th>VU</th>
<th>WebAssign</th>
<th>VU</th>
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CampusSource Project: reference architecture

Abb. 3 Architekturschema für Lehr-/Lernbereiche
Summary

- Need for infrastructure software
- Open source enables cooperative processes
- CampusSource is open source plus quality

Join us!
CampusSource

Extension Event: Tuesday, 14:30 - 16:00