



Chefs with Feathers: The Sakai Project

Carl Hall

Hallway Technologies

Presented by

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Produced by



What I Will Cover

- My Background
- Learning Management Systems
- Sakai
 - History
 - Projects
- OSS and academia

My Background

- Co-owner, Hallway Technologies
- Sakai OAE server team co-lead
- 2011 Sakai Fellow
- Sling committer
- Avid cyclist, software & music junkie
- Godfather to 6
- 8 pets

Learning Management Systems

- Online classrooms
 - Virtual Learning Environment
 - Collaborative Learning Environment
- Modeled around brick and mortar institutions
 - Terms, classes

Learning Management Systems

- Syllabus
- Announcements
- Messages
- Assignments
- Gradebook
- Roster
- Calendar
- Tests & Quizzes

Learning Management Systems

- Open Source
 - Sakai (Java)
 - Moodle (PHP)
 - Instructure (RoR)
- Proprietary
 - Blackboard (Angel, WebCT)
 - Desire2Learn
 - Pearson OpenClass

Sakai CLE

- Collaboration of Indiana, MIT, Michigan, Stanford
- Michigan's "**CHEF**" name graduates to "**Sakai**"
- v1.0 released in 2005
- Used by over 300 institutions around the world





Sakai CLE

[Logout](#)

My Workspace

Administration Workspace

Citations Admin

Portfolio Admin

mercury site



Message Of The Day



[Options](#)

There are currently no messages at this location.

- Home
- [Users](#)
- [Aliases](#)
- [Sites](#)
- [Realms](#)
- [Worksite Setup](#)
- [MOTD](#)
- [Resources](#)
- [Online](#)
- [Memory](#)
- [Site Archive](#)
- [Job Scheduler](#)
- [Become User](#)
- [User Membership](#)
- [Help](#)

My Workspace Information



[Options](#)

Welcome to your personal workspace.

In Sakai each user has his or her own individual worksite called My Workspace. My Workspace is a place where you can keep personal documents, create new sites, maintain a schedule, store resources, and much more.

The default information displayed here for a new user can be modified by the Sakai Administrator by editing the file sakai.properties configuration value "myworkspace.info.url" to point to the html file desired.

Gateway | The Sakai Project

Powered by Sakai

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LocalSakaiName - BRANCH - Sakai 2.5.X (Kernel 1.2.5)- Server localhost



Sakai CLE

log in

ctools.umich.edu
course/project sites

Welcome

From the CTools Team

About

Sites

Features

Training

Survey Results

Contact Us /

Suggestions

Maintenance

Schedule

Help

Instructors: Winter Term is now selectable in Worksite Setup!

The Winter 2012 term is now a selectable option when creating new Course sites. To create your new site, go to My Workspace choose the Worksite Setup tool, click the 'New' link, and select a term from the drop-down. For a brief tutorial on creating a CTools site, [click here](#).

Hey CTools users: Did you know...

... that the CTools HTML editor used by many of our tools has a Paste-from-Word function that will preserve the formatting of your pasted content? [Learn more...](#)



Practice Safe Computing

U-M's McAfee anti-virus software expires in 2012
Install Microsoft protection today »

Calling Mobile Application Developers...



Fall 2011
Mobile Apps Challenge

Want to show off your creative and innovative ideas for a mobile app? Now's your opportunity to enter your app in a competition within the U-M community. You'll also have a chance to win

Weekly Michigan Technologies Poll

Which of the following technologies are you **most** in favor of being used **more** in teaching & learning at Michigan?

- Google Docs
- Lecture Recordings
- Online Exams
- Response Systems (e.g., Clickers, Mobile)
- Surveys
- Video / Audio

Choose... But Choose Wisely!

Powered By:Qualtrics

[View Results](#)

Do you have a suggestion for a weekly poll question?

For Your Information...

Students... Your vote is important!



MSA, **LSA-SG**, and **UMEC** elections will take place on November 16th and 17th. Did you know that in addition to representing over 40,000 students, your student government hosts many successful programs and funds several student organizations? Visit vote.umich.edu to vote for your student government representatives.

Sakai CLE

ONCOURSE

collaboration & learning



Home

Getting Started

Training & Support

Enhancements Process

News

Submit a Photo

Request a Site

Contact Us

Help



QUICK TIPS

In the Gradebook tool, you can set up your gradebook to drop the lowest or highest grades from a category.

[More >>](#)



FACULTY SPOTLIGHT

IU Bloomington Professor Alan Dennis discusses two years of research on eTexts. How do students use eTexts? What do they think of eTexts? Do eTexts impact student learning? How can faculty use eTexts?

[More >>](#)

TECH NEWS

- Oncourse maintenance Nov. 19
- Build a citation list in Oncourse Resources
- Share your Oncourse Wiki
- Give feedback to Oncourse site participants
- Oncourse course opening dates for spring

DID YOU KNOW?



Learn 7 Things to Know about Twitter and follow IUB's Center for Innovative Teaching and Learning.

[More >>](#)

RESOURCES SPOTLIGHT



Ask a Librarian services are available online or by phone at each IU campus.

[More >>](#)

FEATURE DEMOS



Watch *Edit Notification Preferences* to learn how to customize how and when you receive messages or other info from Oncourse.

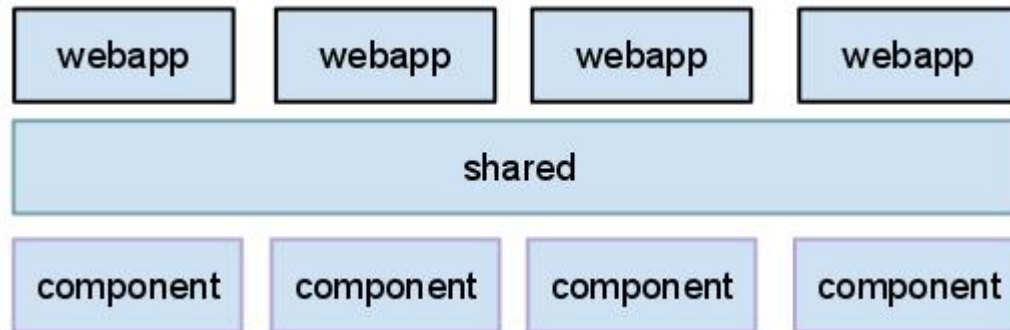
[More >>](#)

CLE - Under The Hood

- Runs on Apache Tomcat
- Wired together using Spring
- Velocity, JSP, JSF, RSF, Wicket...
- 54 projects in core
- 340 subprojects in core
- We love Apache
 - 28 Apache projects
 - 72 Apache artifacts

CLE - Under The Hood

- Custom classloaders on top of Tomcat
 - shared tier
 - isolated services



Sakai OAE

- Rethink, Redesign, Rewrite
- Break the traditional LMS form
 - User always owns content
 - Promote sharing, openness, discovery
- Academic social networking



Sakai OAE

Explore

Sign up

Sign in

Sakai^o Open Academic Environment

Choose a category ▾

Welcome to The Sakai Open Academic Environment, a new system that embraces a new vision for academic collaboration



Permeable

Form various types of groups to work with people in your way

Personal

Add pages to your space to broadcast your views or experiences, gather options and build your portfolio

Social

Enter profile information so Sakai can help you connect with the most appropriate people to you

Remixable

Create Sakai Doc and author any experience you can think of to share and/or collaborate with others on it



When people add content, active and relevant items appear here

Recent activity



Some recent activity will appear here once people collaborate

Example:



Hiroyuki Sakai

Uploaded a new version of:



My Recipes

Used in 4 places

Sakai Open Academic Environment
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Explore Browse

Copyright

Help

Acknowledgments

Suggest an improvement

Sakai OAE

The screenshot displays the Sakai OAE user dashboard. At the top, a navigation bar includes 'You', 'Create + Add', 'Explore', a search box, a notification icon with '(2)', and the user name 'User 1'. On the left, a sidebar shows a user profile for 'User 1' and a menu with items: 'My dashboard' (active), 'My messages' (2), 'My profile', 'My library', 'My memberships' (1), and 'My contacts' (2). The main dashboard area is titled 'My dashboard' and features 'Edit layout' and 'Add widget' buttons. It contains several widget sections: 'Suggested:' with three 'Participants' widgets (one showing 'ACNA_2011_Speaker_Slide'), 'My recent content' showing a 'Participants' document used in 3 places and a related document by 'Admin User', 'My recent memberships' showing 'ApacheCon NA11' with 1 participant, and 'My recent contacts' showing 'User 5' with 2 contacts. Each widget has a 'See all' link. The footer contains the Sakai logo, 'Open Academic Environment', copyright notice, and links for 'Explore', 'Browse', 'Copyright', 'Help', 'Acknowledgments', 'Suggest an improvement', 'Location: America/Los_Angeles', and 'Language: English (United States)'.

Sakai OAE

Me

Create + Add

Explore

(3)

Carl Hall



NEW YORK UNIVERSITY

ATLASNetwork
Pilot



Carl Hall

My Dashboard

My Messages (3)

My Profile

My Library (2)

My Memberships (6)

My Contacts (10)

My Dashboard

Edit Layout

Add Widget

Suggested:



Susan Thompson
Portfolio

This is my senior year portfolio, in which I heavily focused on my thesis on the Arab Spring and my...

26 content items
12 Participants

arab spring · liberal studies program



Gallatin - Senior Class Advising
Completing your requirements for

a Gallatin BA in January 2012, May 2012, or September 2012? This...

11 content items
500+ Participants

Advising



Egypt and the Arab Spring
27 content items
12 Participants

arab spring · egypt



College of Nursing
0 content items
4 Participants

College of Nursing CON Nursing



Advising Group
0 content items
2 Participants



Ann's Blog
0 content items
1 Participants

My recent content



Discussions page jp77

DOCUMENT
used in 6 places

Related content to Discussions page jp77



HeLa Discussion ...
WORD DOCUMENT
by **Lori M Nicholas**

My recent memberships



Egypt and the Arab Spring

27 content items
12 participants

Latest content added to Egypt and the Arab Spring



Additional Readings
DOCUMENT
by **Jeff Pasch**

My recent contacts



Susan Thompson

71 content items
14 contacts
18 memberships

Susan's recent upload

Albert_Faculty_Center_Help P
DF DOCUMENT
Used in 6 places
3 comments

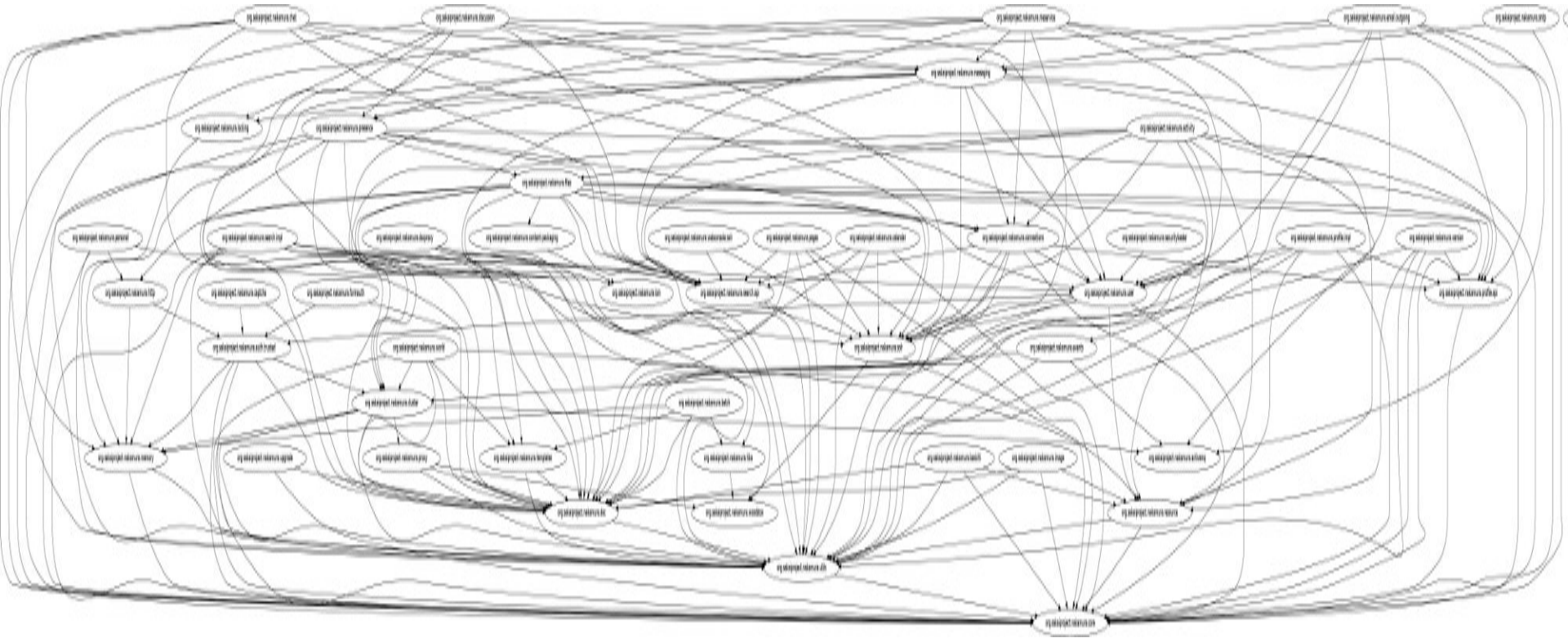
OAE - Under The Hood

- Built on Apache Sling
- 56 core bundles
- 22 contrib bundle
- Replaced JCR with storage shim
 - Deviated from hierarchical storage
- Continued affair with Apache
 - 41 Apache projects
 - 237 Apache artifacts

OAE - Under The Hood

- JSON feeds from server using REST
- Client-side templating with JavaScript

Dependency Graph



OSS Citizens

- Report bugs
- Contribute patches
- Committers
 - Sling
 - Shindig
 - Velocity

Our House

- Sakai Foundation
- *Community* Source Software
- Institutional & commercial contributors
- Core maintainers
- Tool maintainers

Our House

- Foundation Board Members
- Technology Coordination Committee
- Steering Group
- User Reference Group
- Technology Reference Group
- Dev team for each tool/project
- 51 mailing lists on collab.
sakaiproject.org

Communication

- Driven by deployers
- Teaching & learning professionals
- Professors
- Students
- Administrators

Why is an Open-source LMS important?



Learn From Academia

- Share with your colleagues
- Work together for non-financial goals
- Research is valuable

Teach To Academia

- Engage students in OSS
- Collaborate solutions, not just results
 - Share early, share often
- Become community citizens

Contact

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 - <http://thecarlhall.wordpress.com>