

Integrating External Services with Sakai

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Topics

- General Approaches
- Enterprise Data
- External Services
- Custom (e.g. "other")

General Approaches

- Tight, Rich, Native
- Loose & Easy

Tight

Implementing services as Sakai Tools

“Tight” Benefits

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- native user-experience

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- easy access to information within sakai like groups, authz, other services

“Tight” Disadvantages

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Loose

Implementing services as... not Sakai Tools

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- Potentially easier sharing of services across platforms/delivery vehicles
- Mix/Match implementation technologies

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- More moving pieces

Decision

Providers

Approaches

- Real-time
- Batch

UserDirectoryProvider


```
public interface UserDirectoryProvider {
```

```
...
```

```
    boolean authenticateUser(String eid,  
        UserEdit edit, String password);
```

```
    boolean authenticateWithProviderFirst(  
        String eid);
```

```
    boolean findUserByEmail(UserEdit edit,  
        String email); }
```


- GroupProvider

- CourseManagementProvider

External Services



RSS (ATOM, etc.)

Sakai@Rutgers

My Workspace

Administration Workspace

/IT Strategic Plan/

Staff Sakai Pilot

OIRT

Sakai Developers

Home

Site Info

Announcements

Chat Room

Discussion and
Private Messages

Email Archive

Sakai News

Podcasts

Resources

Help

Users present:

Jason Shao

Sakai News

Options

sakaiproject.org

Sakai Project and Foundation site syndication

[\(Graphic Version\)](#) -

JA-SIG's uPortal Receives Prestigious EDUCAUSE Catalyst Award

Open Source Organization Sets Industry Standard for Groundbreaking Technological Solutions, Market Adoption (Marketwire - June 25, 2007) - JA-SIG, the non-profit organization responsible for the uPortal community, received the prestigious EDUCAUSE Catalyst Award for its innovations and initiatives centered on information technology and addressing major challenges in higher education. uPortal is the leading open source enterprise portal framework built on Java and continues to evolve through contributions from its global community and is supported by resources, grants, and funding from universities, institutions, commercial affiliates, and non-profit foundations. Membership information can be found at: <http://www.uportal.org/> and can be downloaded at: www.uportal.org/download.html (<http://www.uportal.org/download.html>).

[\(Full Story\)](#) (Jun 25, 2007)

Sakai Newsletter June 14, 2007

1. What's Happening in Amsterdam? 2. Sakai Foundation Announces New Executive Director 3. Sakai 2.4 Launches 4. Sakai 2.5 5. Updated Administrative Documentation for Sakai 2.4 6. Announcing the Sakai Registry -- For more information, see the Sakai Registry 7. Sakai 2.4.19 October, Maastricht, The Netherlands 8. JA-SIG With Altitude! Summer Conference Reminder 9. Unicorn

[\(Full Story\)](#) (Jun 14, 2007)

Stanford Goes Into Production with Sakai

Dear Sakai community, After a year-long pilot, Sakai went into full production at Stanford today, fully representing a careful path toward deployment to assure a seamless transition to the new system. It is a significant and a big achievement for us, fulfilling the commitment we made to ourselves, and to our collaborators at India and elsewhere. We've had a lot of ideas, support and encouragement from the whole community along the way, and I join me in congratulating the Stanford development team for a job well done, and in popping the [virtual] champagne. A photo showing the arches and chapel in the Stanford Quad, and hosting a "powered by Sakai" label, is attached.

Web Content



- Home
- Site Info
- OTRS Ticketing System
- HDRT Student Ticketing
- Privileged View RU PDB
- LDAP Roster Check
- IU's Knowledge Base
- Jira
- Announcements
- Email Archive
- RU Sakai Wiki
- Sakai Project
- Confluence
- IU's Oncourse
- Resources
- Sakai Test Drive
- RU Class Schedule
- RWiki
- Sakai Dev Feed

Jira

Options



Sakai

User: Jason Shao Filters Profile

Sakai

Welcome to the **Sakai Jira** site for issue tracking. (Looking for [Sakai Confluence](#)?) Sakai is using Jira to track a variety of issues and planned work, such as bug reports, tasks, and feature requests. See the [Jira and Sakai overview](#) for a description of our conventions.

For **general information** on installation, development, and use of Sakai, try the following suggested resources:

- <http://sakaiproject.org>
- [Sakaipedia](#)
- email to sakai-dev@collab.sakaiproject.org
- email to sakai-user@collab.sakaiproject.org

Anyone may browse issues in the Sakai project using the links below. In order to comment on issues or create new issues, however, such as report a bug or suggest a new feature, you first need to **request an account** by emailing jira-admins@collab.sakaiproject.org

Category : **Sakai** [\[hide\]](#)

Project : **Sakai** (SAK) [\[hide\]](#)

Lead: [Peter A. Knoop](#)

Reports: [Open Issues](#) | [Road Map](#) | [Change Log](#) | [Popular Issues](#)

Open Issues: (By Priority)

Filter Issues:

- Saved Filters [\(Create New | Manage Filters\)](#)
- [PROD-All Deployments](#)
 - [PROD-JAVA_OPTS](#)
 - [PROD-Map Mashup](#)
 - [PROD-Pilot Deployments](#)
 - [PROD-Production Deployments](#)
 - [PROD-QA servers](#)
 - [Roadmap: Sakai 2.5](#)
 - [Roadmap: Sakai Unscheduled Enhancements \(Tasks\)](#)
 - [Roadmap: Sakai Unscheduled Fixes \(Bugs\)](#)
 - [Roadmap: Sakai Unscheduled Suggestions \(Feature Requests/Contr Patches\)](#)
 - [Sakai 2.1 Enhancements \(through 2.1.2\)](#)
 - [Sakai 2.1 Fixes \(through 2.1.2\)](#)
 - [Sakai 2.1.2 Known Issues \(Open Issues\)](#)
 - [Sakai 2.1.x Maintenance Branch Fixes](#)
 - [Sakai 2.2 Enhancements \(through 2.2.3\)](#)
 - [Sakai 2.2 Fixes \(through 2.2.3\)](#)
 - [Sakai 2.2.3 Known Issues \(Open Issues\)](#)

LinkTool

- Linktool is intended for calling external applications, e.g. written in PHP.
- It requires the application to be able to do web services calls back to sakai.
- There are two modes: install as tool, and call via URL

Initial Setup

- Configuration (e.g. `${catalina.home}/sakai`
 - `sakai.rutgers.linktool.privkey`
 - `sakai.rutgers.linktool.salt`
- `SakaiSigning.jws`

Usage

- 2 Modes
 - Tool Mode
 - Link Mode

Tool Mode

1. Add a new linktool to your site
2. use setup to provide a URL
3. profit!

Link Mode

[https://YOURSITE/sakai-rutgers-linktool?
site=XXXXXX&url=https://YOURAPP](https://YOURSITE/sakai-rutgers-linktool?site=XXXXXX&url=https://YOURAPP)

Library eReserves Lookup

FIGURE 4

2006:9:01:195:101:01

The Library has material for the following sections.

Because the Library has material for several sections, we give you two options:

- ◆ Show ereserves for a single section
- ◆ Show students a list of sections, and let them choose.

- 01:195:101 *** All Sections ***
- 01:195:101:01(ALEX) — INTRO TO WORLD LITERATURE
- 01:195:101:H6(ALEX) — INTRO TO WORLD LIT

Cancel

Client Work

```
require_once('SOAP/Client.php');

$wsdl=new SOAP_WSDL("$url/
SakaiSigning.jws?wsdl", array("timeout" =>
360));

if (!$wsdl) $myProxy=$wsdl->getProxy();

$result=$myProxy->testsign($_SERVER
['QUERY_STRING']);

    if ($result != "success")
```


Other

Integrating other stuff

Web-services

- Programmatic Access to Sakai Services
- AXIS/SOAP/WSDL based
- Toolkits for Java, .Net, PHP, etc.

Office of Research and Sponsored Programs

Human Subjects Certification Program