Sakai Overview

Dr. Charles Severance www.dr-chuck.com/talks.php?id=53

http://www.sakaiproject.org/

What is Sakai?

- A project—an initial grant for two years
- A community—an emerging group of people and resources supporting the code and each other, realizing large scale
 Open Source efficiencies in HigherEd
- An extensible framework for building collaborative provides basic capabilities to support a wide range of tools and services—teaching and research
- A product with:
 - A released bundle of the framework and
 - A set of tools—written and supported by various groups and individuals—which have been tested and released as a unit

The Sakai Project Funding and Initial Institutional Partners

The Sakai Project

The University of Michigan, Indiana University, MIT, Stanford, the uPortal Consortium, and the Open Knowledge Initiative (OKI) are joining forces to integrate and synchronize their considerable educational software into a preintegrated collection of open source tools.



Sakai Project receives \$2.4 million grant from Mellon

Sakai Funding

- Each of the 4 Core Universities Commits
 - 5+ developers/architects, etc. under Sakai Board project direction for 2 years
 - Public commitment to implement Sakai
 - Open/Open licensing—"Community Source"
- So, overall project levels
 - \$4.4M in institutional staff (27 FTE)
 - \$2.4M Mellon, \$300K Hewlett
 - Additional investment through partners

Today's News

Thursday, January 22, 2004

4 Colleges Collaborate on Open-Source Courseware

By ANDREA L. FOSTER

In what may be a big threat to commercial providers of course-management systems, four universities have announced a \$6.8-million collaborative venture to create open-source courseware tools and related software for higher-education institutions.

The universities developing the system, called the Sakai Project, are the Indiana University system, the Massachusetts Institute of Technology, Stanford University, and the University of Michigan at Ann Arbor, which will lead the effort.

HEADLINES

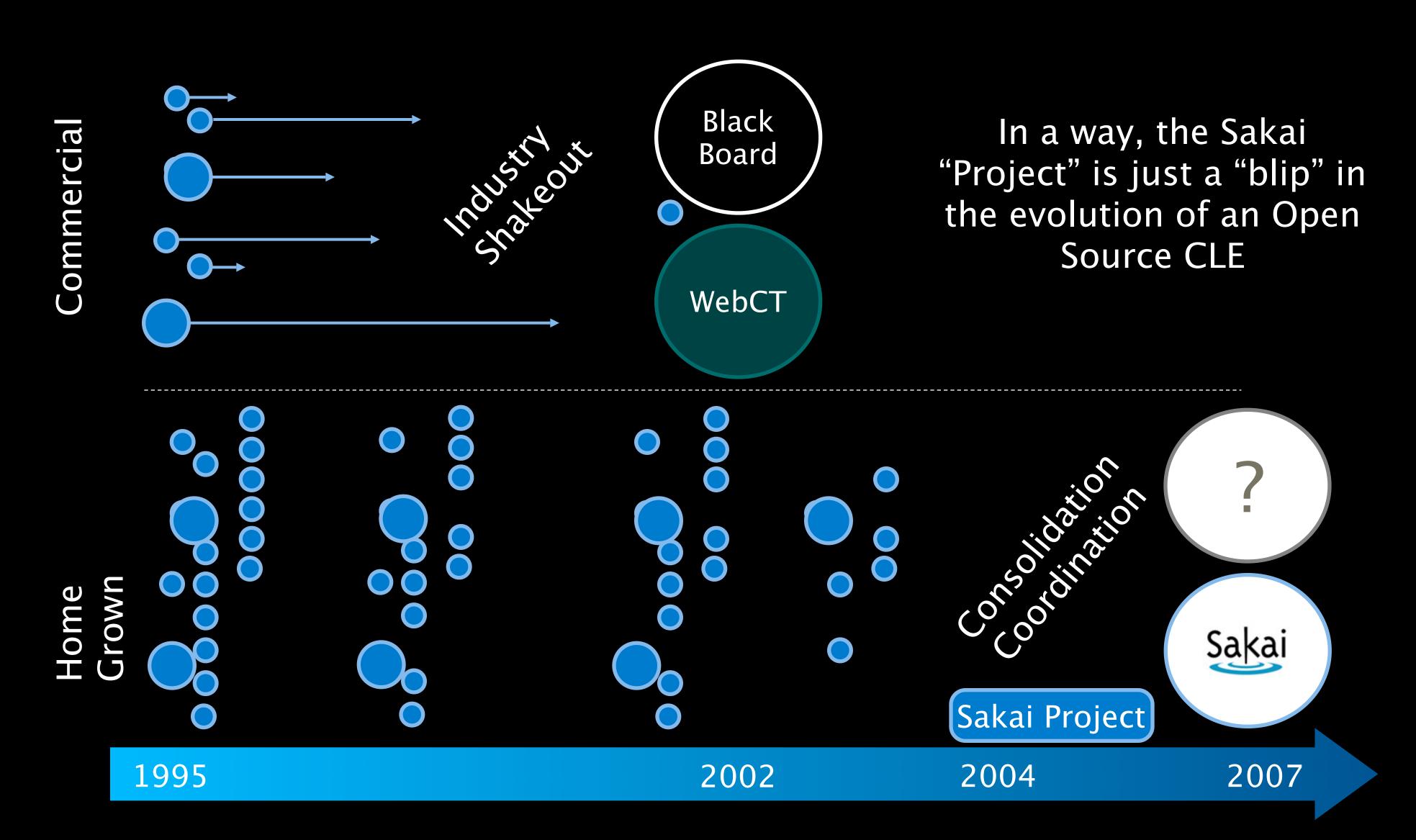
Bush proposes \$250-million job-training program in visits to community colleges

U. of Pennsylvania to name Amy Gutmann of Princeton as its new president

Record companies sue 532 computer users, accusing them of illegally sharing songs

4 colleges collaborate on opensource courseware

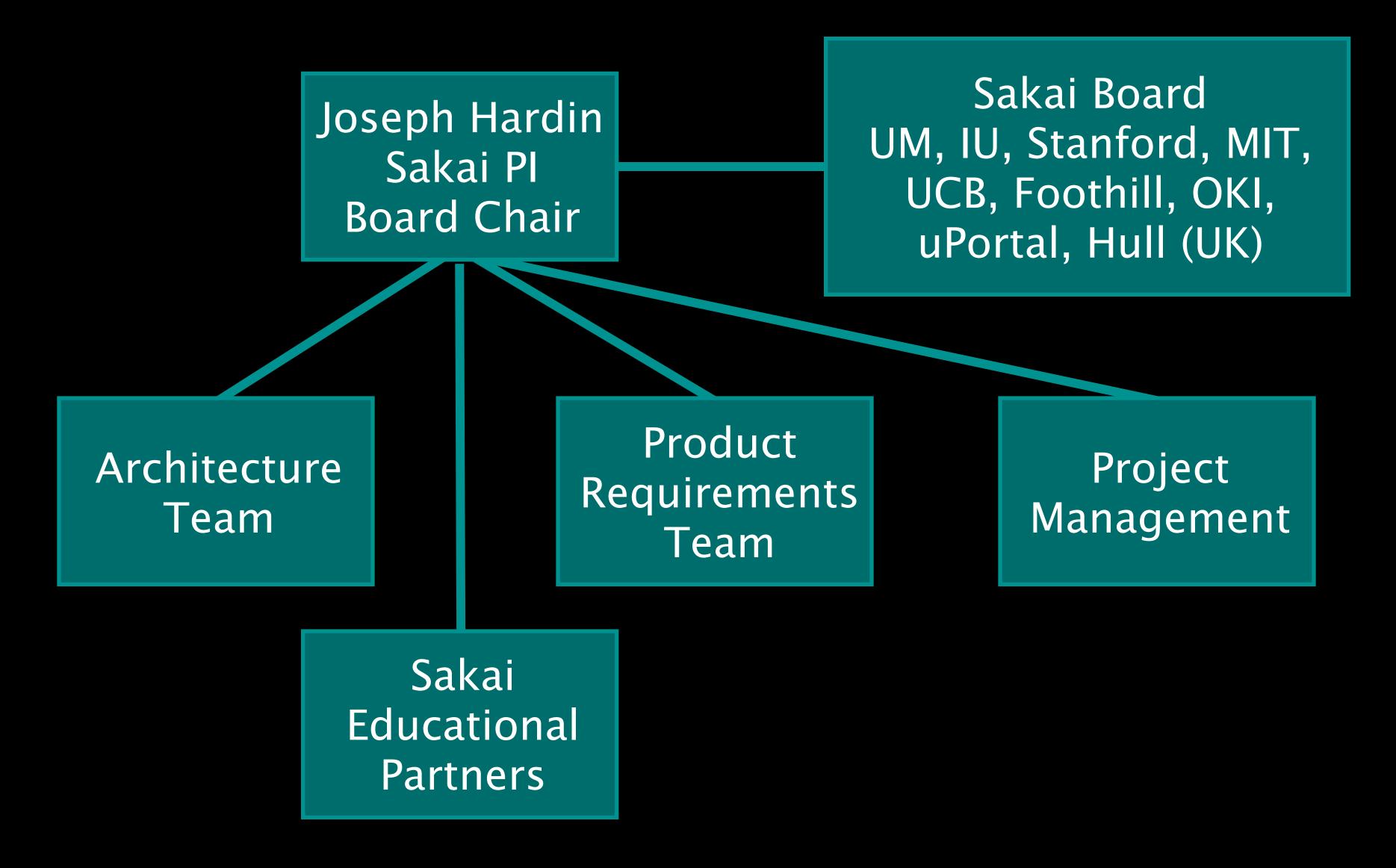
Consolidation



The Sakai Community

Close coordination for two years to quickly build the critical mass for open source enterprise Collaborative Learning Environment

Sakai Project Organization



Sakai Educational Partners—Feb 1, 2005

Arizona State University

Boston University School of Management

Brown University

Carleton College

Carnegie Foundation for Advancement of Teaching

Carnegie Mellon University

Coastline Community College

Columbia University

Community College of Southern Nevada

Cornell University Dartmouth College

Florida Community College/Jacksonville

Foothill-De Anza Community College

Franklin University

Georgetown University

Harvard University

Johns Hopkins University

Lubeck University of Applied Sciences

Maricopa County Community College

Monash University

Nagoya University

New York University

Northeastern University

North-West University (SA)

Northwestern University

Ohio State University

Portland State University

Princeton University

Roskilde University (Denmark)

Rutgers University

Simon Fraser University

State University of New York

Stockholm University

SURF/University of Amsterdam

Tufts University

Universidad Politecnica de Valencia (Spain)

Universitat de Lleida (Spain)

University of Arizona

University of California Berkeley

University of California, Davis

University of California, Los Angeles

University of California, Merced

University of California, Santa Barbara

University of Cambridge, CARET

University of Cape Town, SA

University of Colorado at Boulder

University of Delaware

University of Hawaii

University of Hull

University of Illinois at Urbana-Champaign

University of Melbourne, Australia

University of Minnesota

University of Missouri

University of Nebraska

University of Oklahoma

University of Texas at Austin

University of Toronto, Knowledge Media Design Institute

University of Virginia

University of Washington

University of Wisconsin, Madison

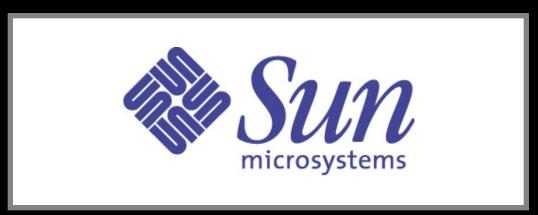
Virginia Polytechnic Institute/University

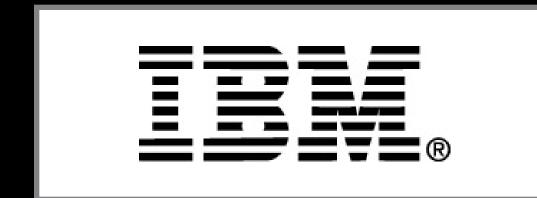
Whitman College

Yale University

Sakai Commercial Affiliates

















The Sakai Educational Community License is BSD-like and allows complete flexibility in terms of the creation of and licensing of derivative works.

This allows different commercial companies to interact in different ways without any limitations imposed by license.

Sakai Meetings

- Provide a forum for the core and the SEPP to interact and for the SEPP members to interact with one another
 - June 2004—Denver Colorado (180) (Members only)
 - December 2004—New Orleans (200+) (Members only)
 - June 8–14—Baltimore (450) (Public)
 - Community Source Week
 - uPortal, Sakai, OSPI
 - December TBD—Austin, TX (Public)

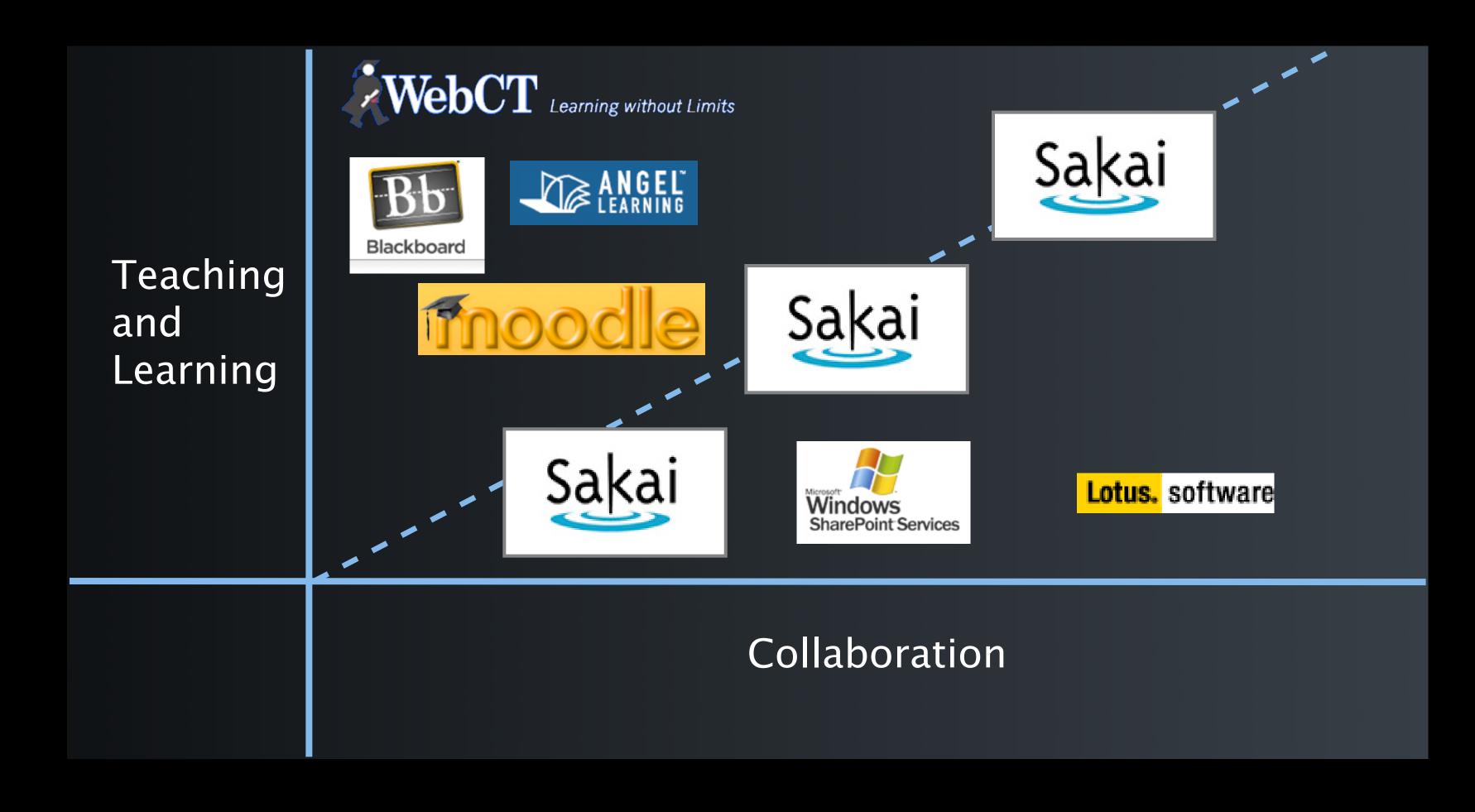
Sakai's Future

- Initial grant ends December 2005
- Transition to Community Source
 - The SEPP is renamed "Sakai" (1−2 Million/year)
 - Governance is merit-based (like Apache)
 - Core elements of Sakai software are pretty stable
 - Small Community funded team (~10) to keep the core maintained and slowly evolving
 - Most new development will be done outside of the core
 - Significant continued in-kind resources Michigan, Indiana, Yale, Foothill, Stanford, and Berkeley

The Sakai Product

A Collaborative Learning Environment— Suitable for use in teaching and learning, research collaboration, and ad Hoc group communication

Placing the Sakai Product A Collaboration and Learning Environment



Sakai Releases

Enterprise Quality Teaching and Learning and Collaboration





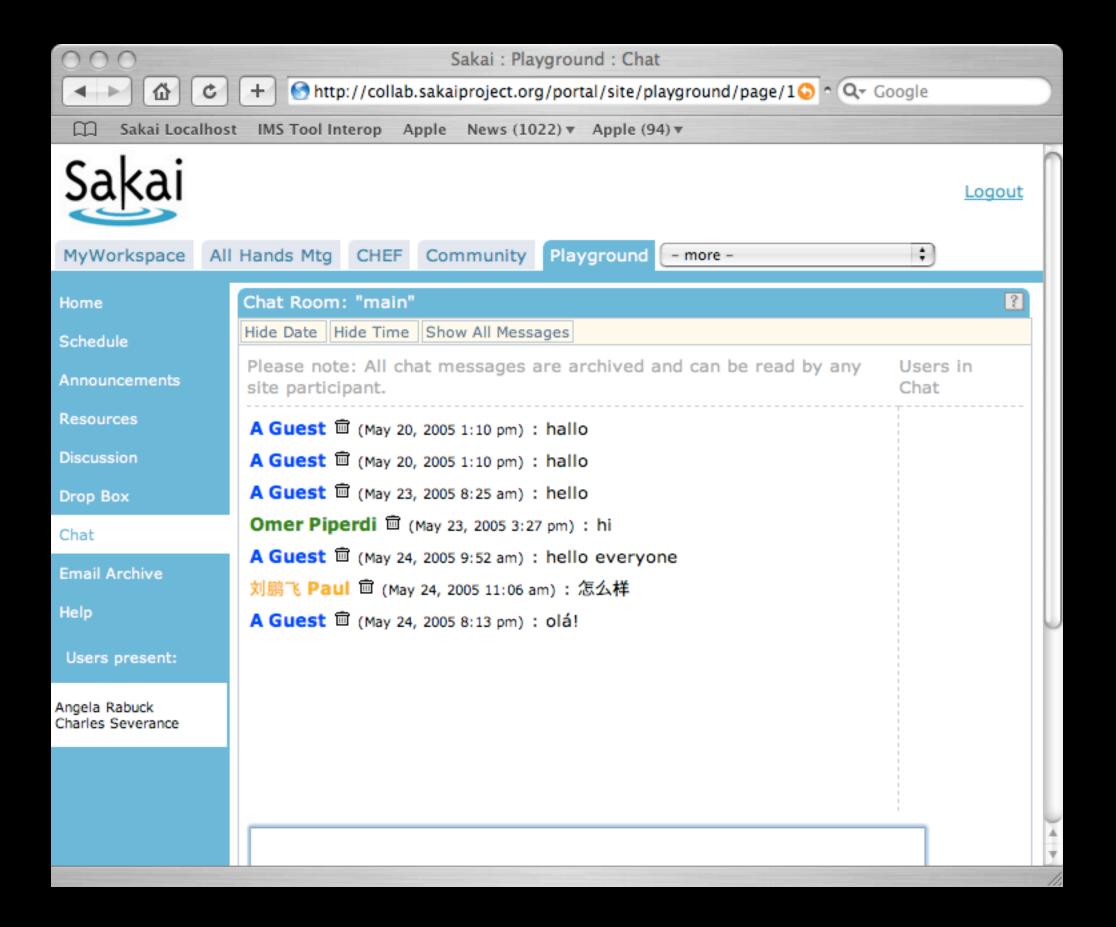




Jan 2004 Jan 2005 Jan 2006

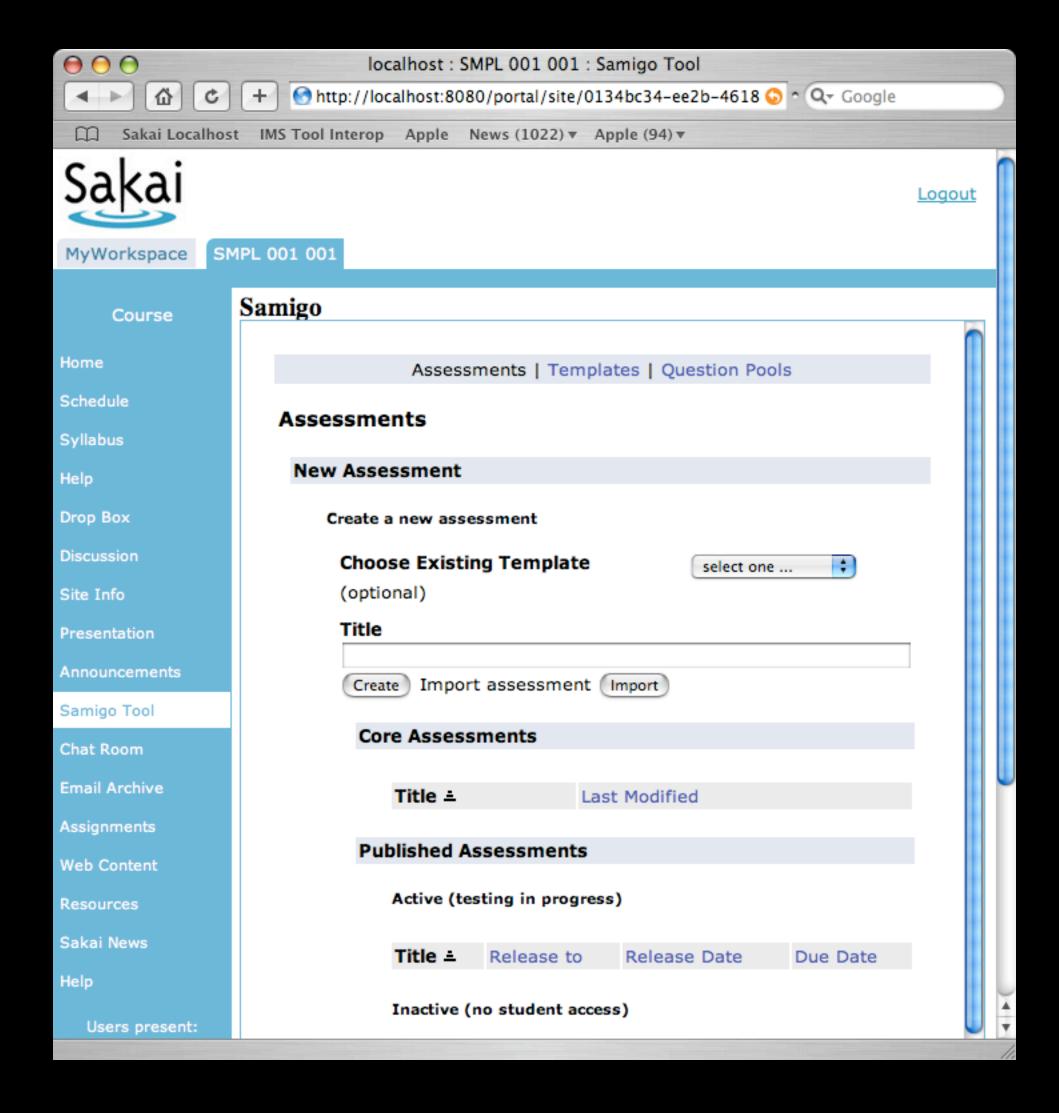


Sakai 1.0 Tools

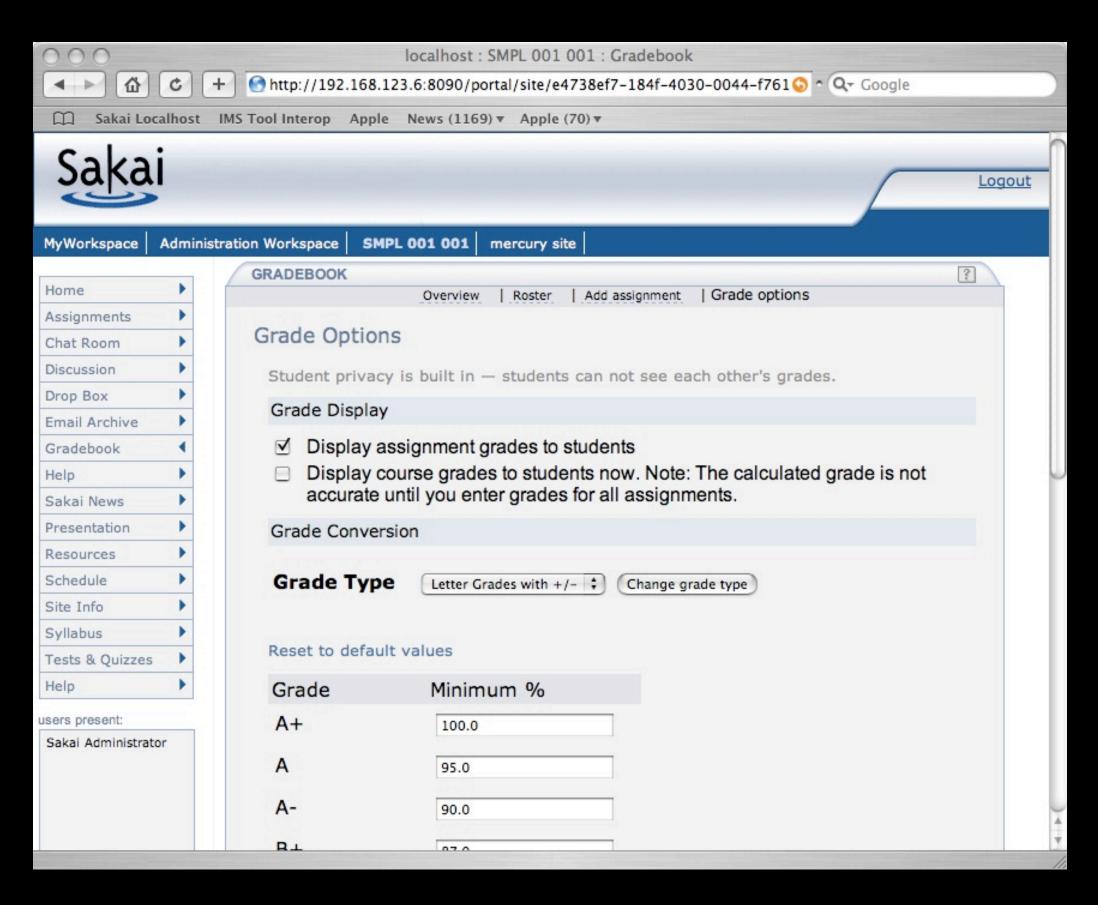


- Announcements
- Assignments
- Chat Room
- Threaded Discussion
- Drop Box
- Email Archive
- Message Of The Day
- News/RSS
- Preferences
- Resources
- Schedule
- Web Content
- Worksite Setup
- WebDAV

Sakai 1.5 Tools

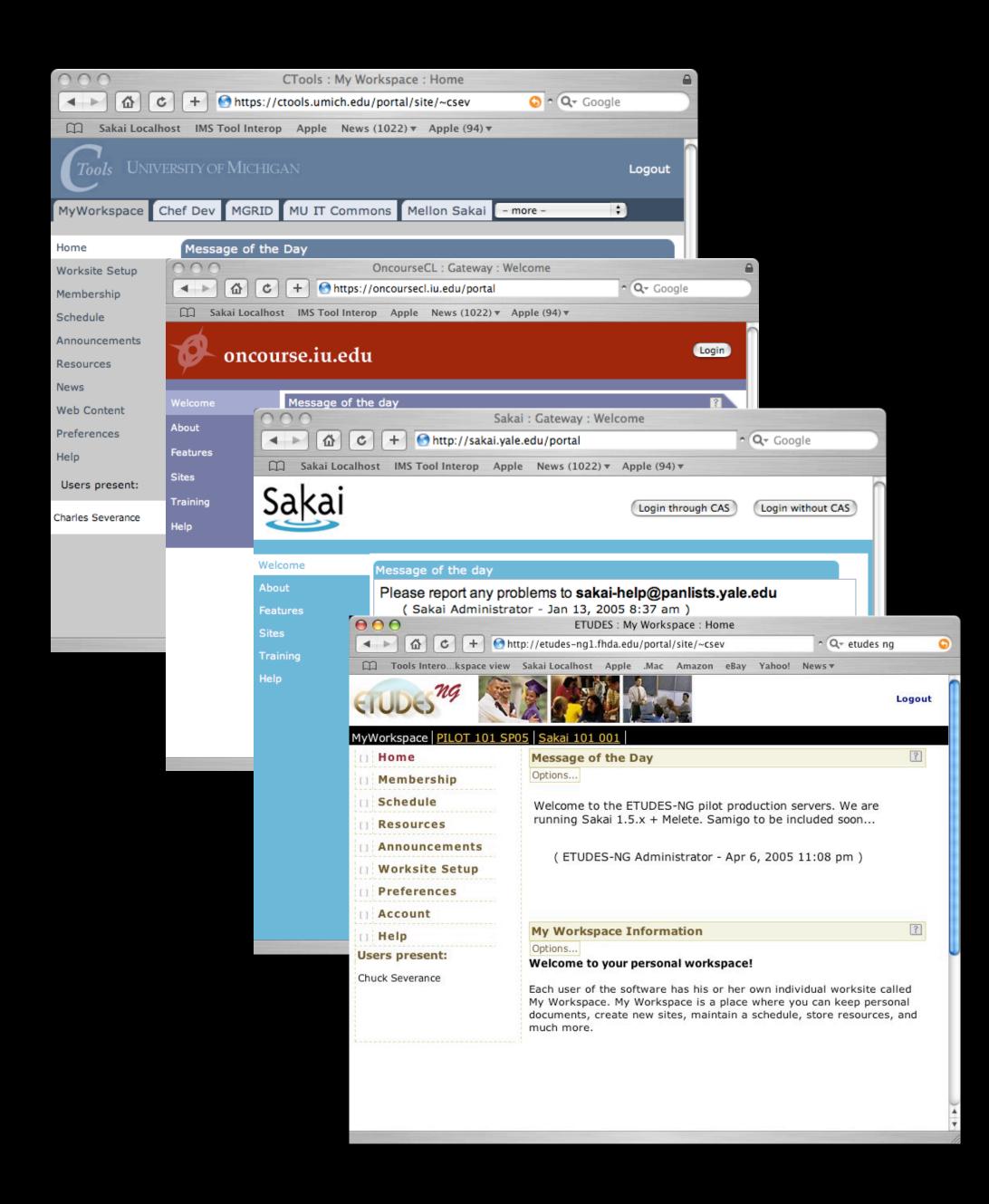


- Samigo—QTI compliant assessment engine (Stanford)
- Syllabus Tool (Indiana)
- Context Sensitive Help (Indiana)
- Presentation Tool (SEPP)
- Portfolio Tool—OSPI (R– Smart) (separate release)



Sakai 2.0 Tools

- Completely re-written Kernel (UM / MIT)
- Melete—Online classroom lesson editor (Foothill)
- Profile Tool (Indiana)
- Grade Book (UC Berkeley/ MIT)



Sakai in Production

- University of Michigan
 - September 2004
- Indiana University
 - January 2005
- Yale University
 - January 2005
- Etudes/Foothill
 - April 2005

Sakai Adoption Plans

UCMERCED

- Boston University School of Management
- Carleton
- Columbia University
- Johns Hopkins University
- Lueck University of Applied Sciences, Germany
- Massachusetts Institute of Technology
- Northwestern University
- Stanford University
- University of California, Berkeley

- University of California, Los Angeles
- University of California, Merced
- University of Cape Town, SA
- University Fernando Pessoa,
 Portugal
- University of Lleida, Spain
- University of Missouri
- University of Virginia
- Whitman College











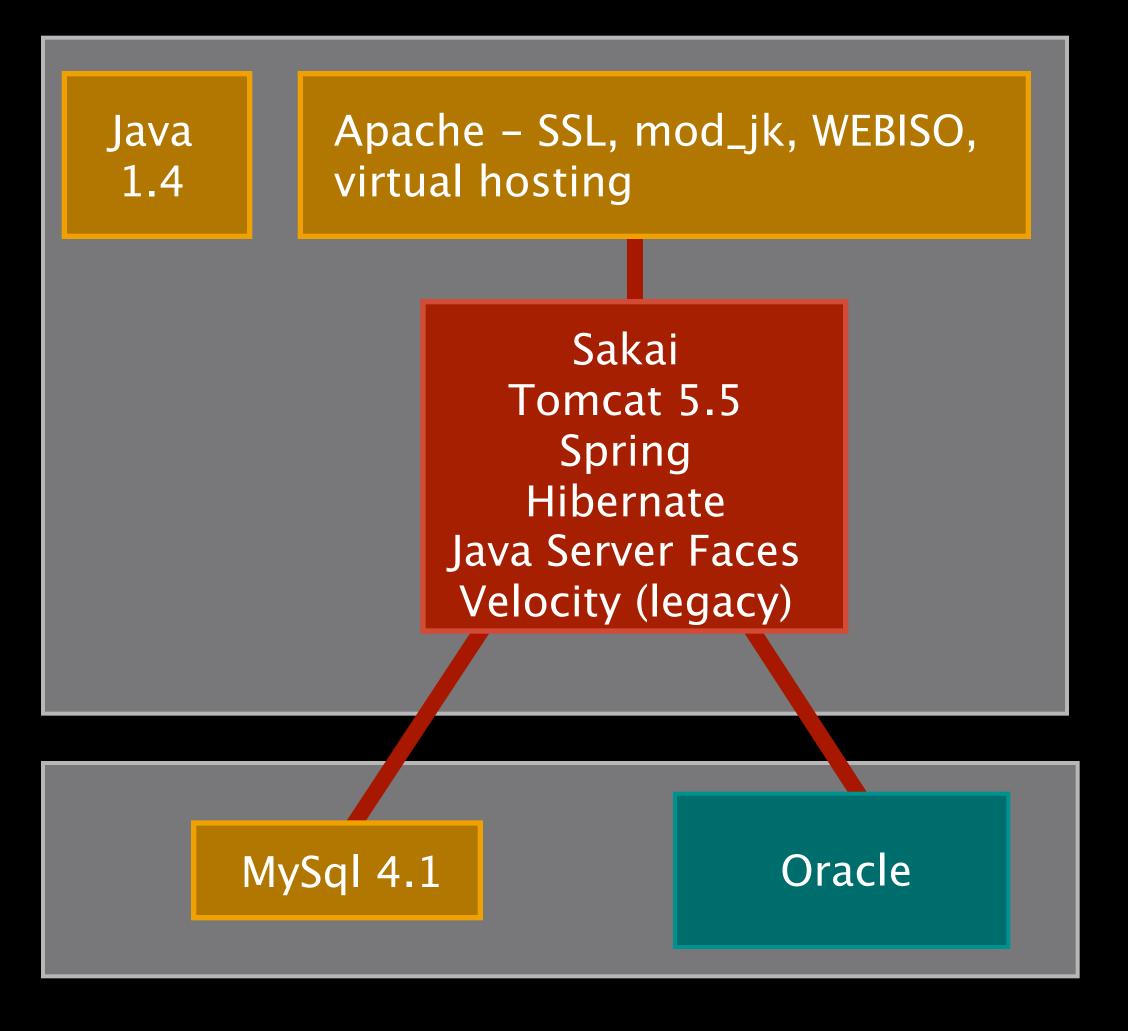
Type "Sakai Adoption Plans" into Google



The Sakai Framework

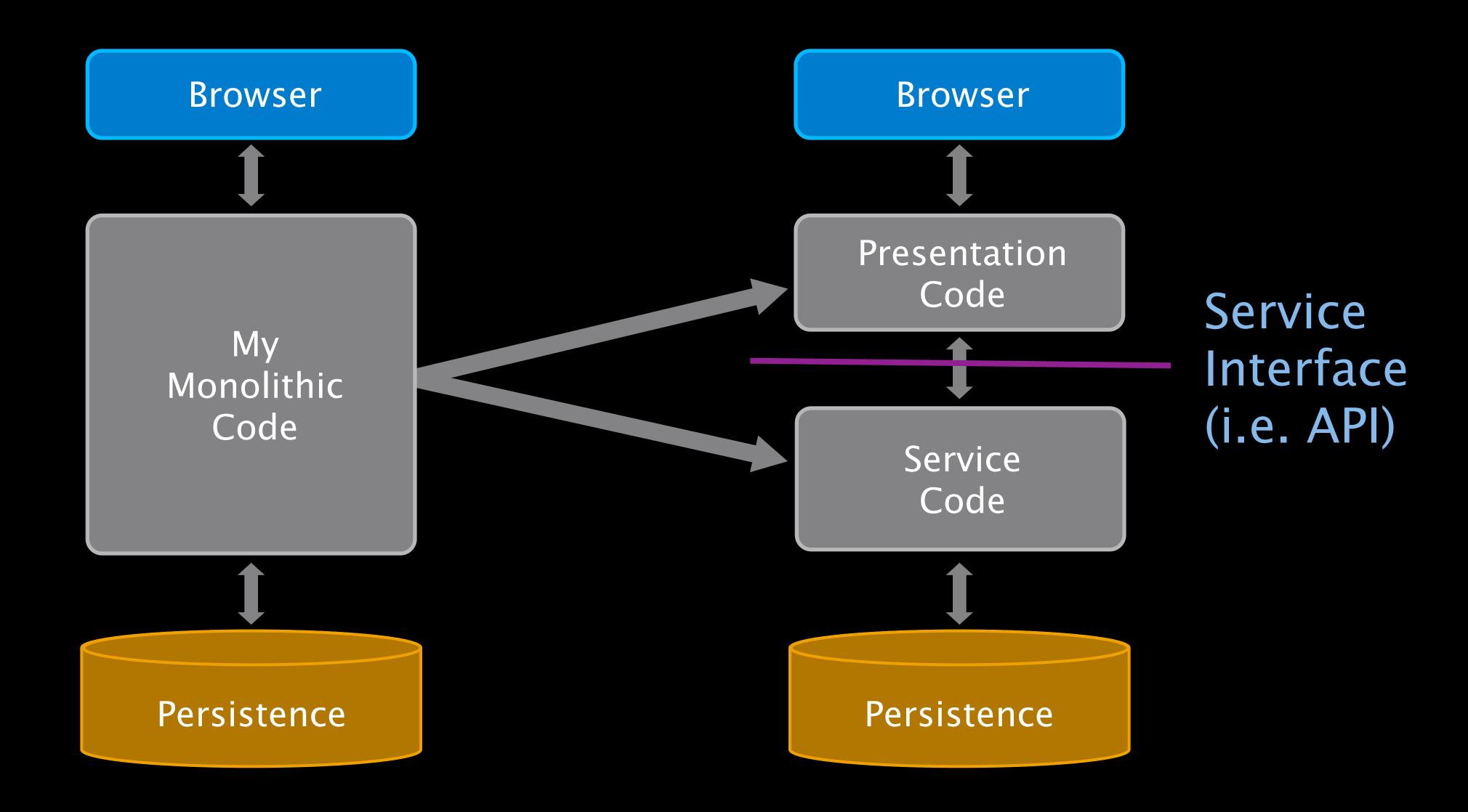
The need to satisfy the often conflicting goals of ease of use, ease of expansion, configuration flexibility, environmental portability and rock-solid production reliability suitable for enterprise deployment.

Sakai Foundational Technologies

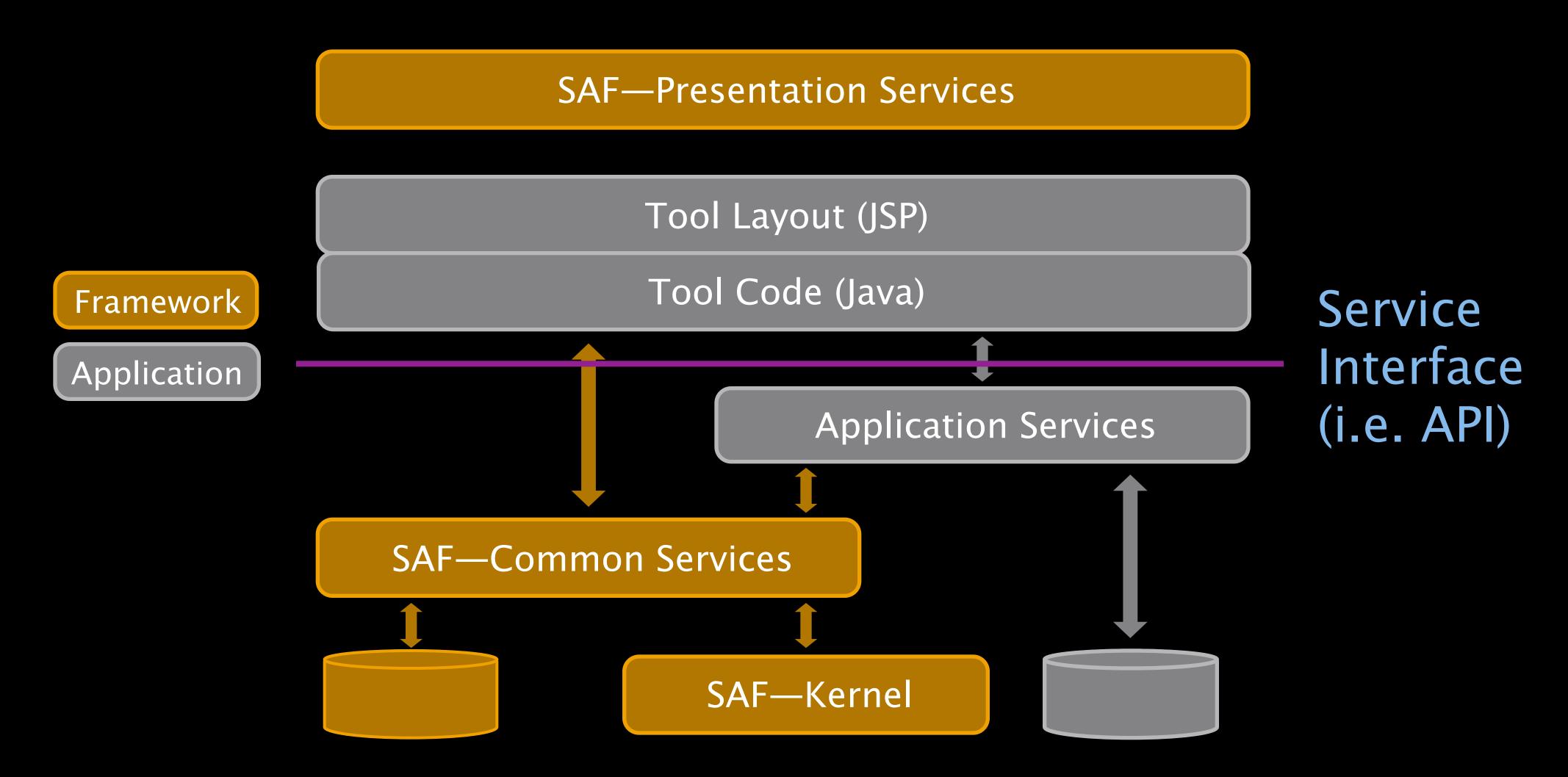


Sakai consists of technologies chosen to be common in Java Enterprise Environments.

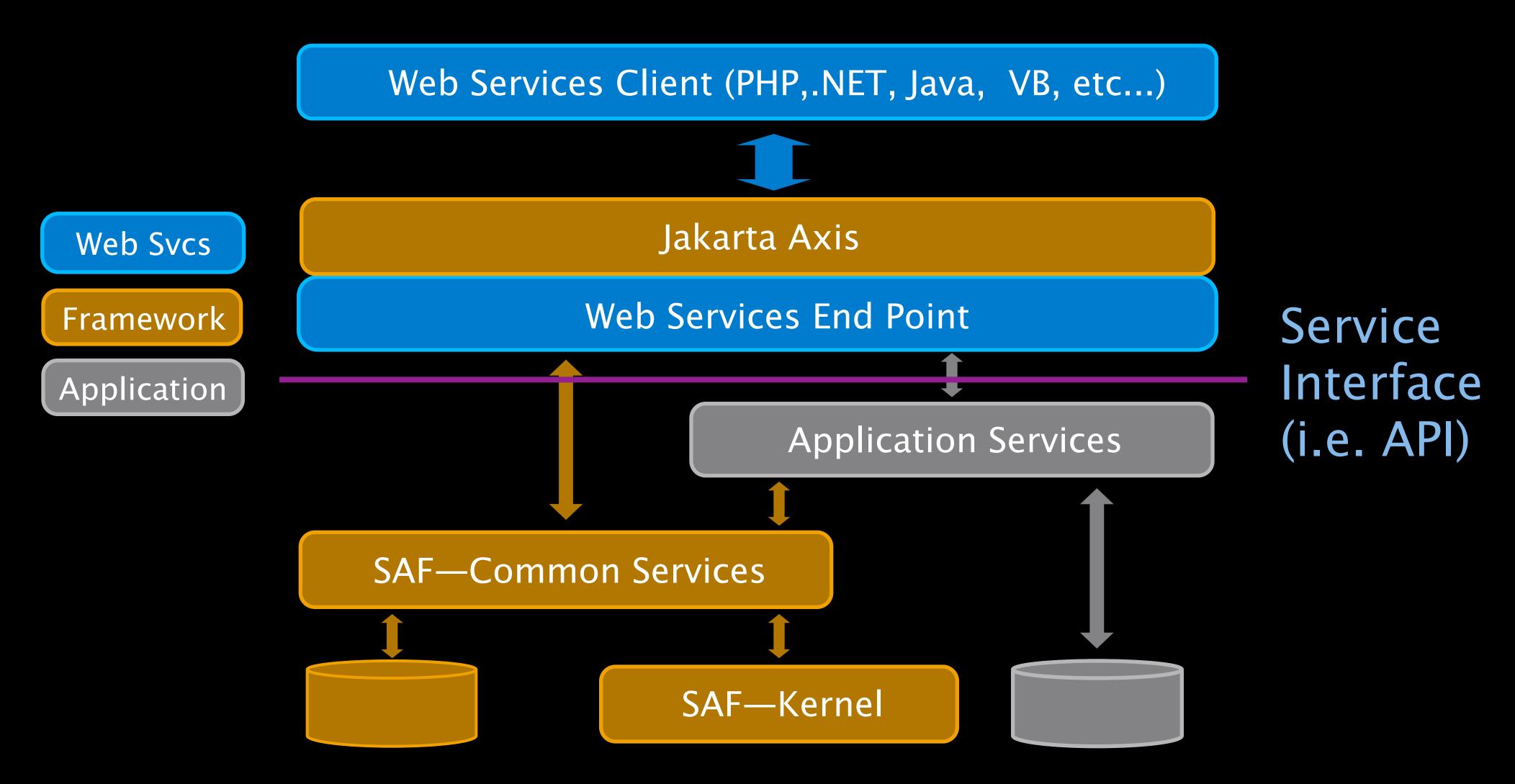
Service Oriented Architecture



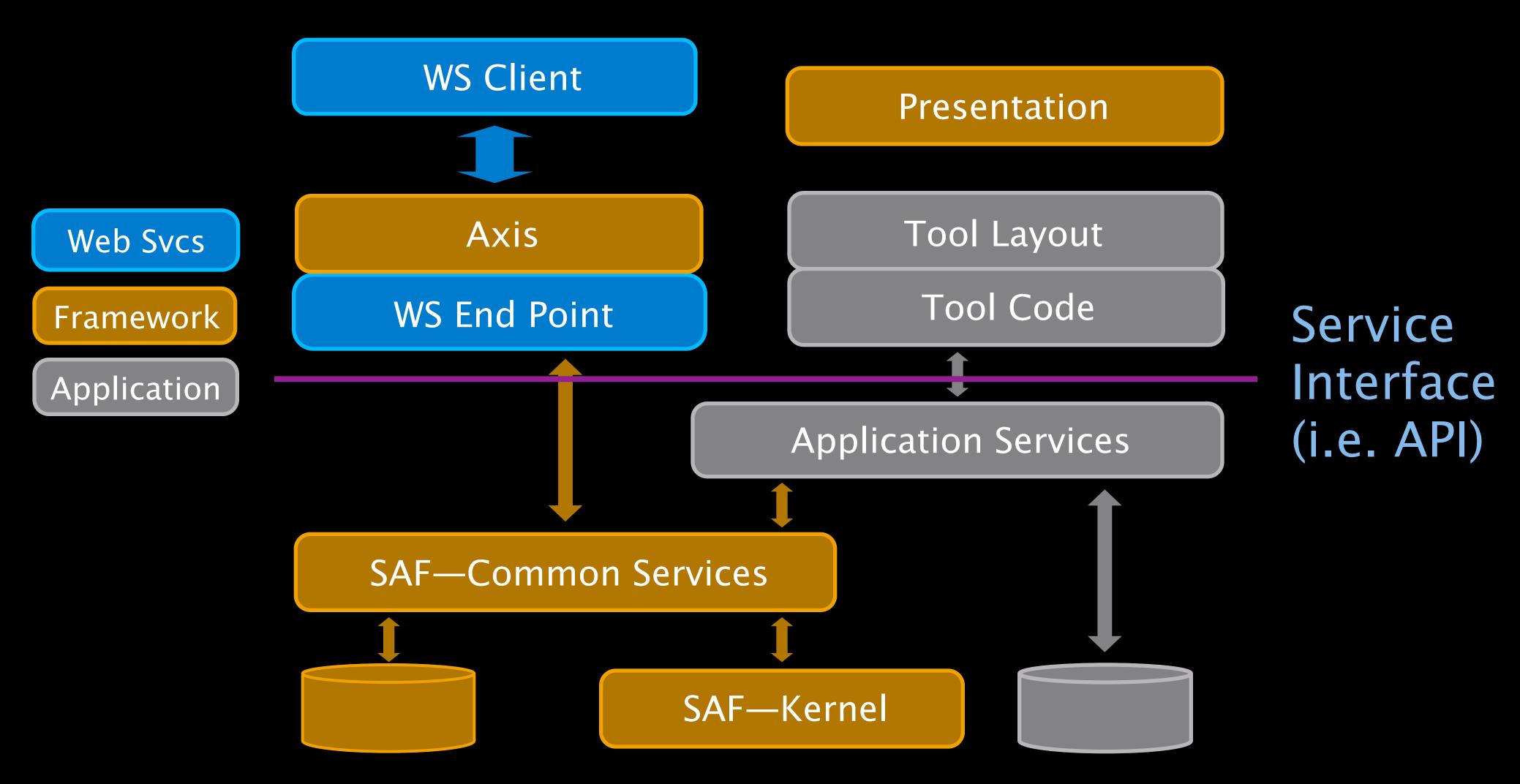
Sakai Applications and Framework



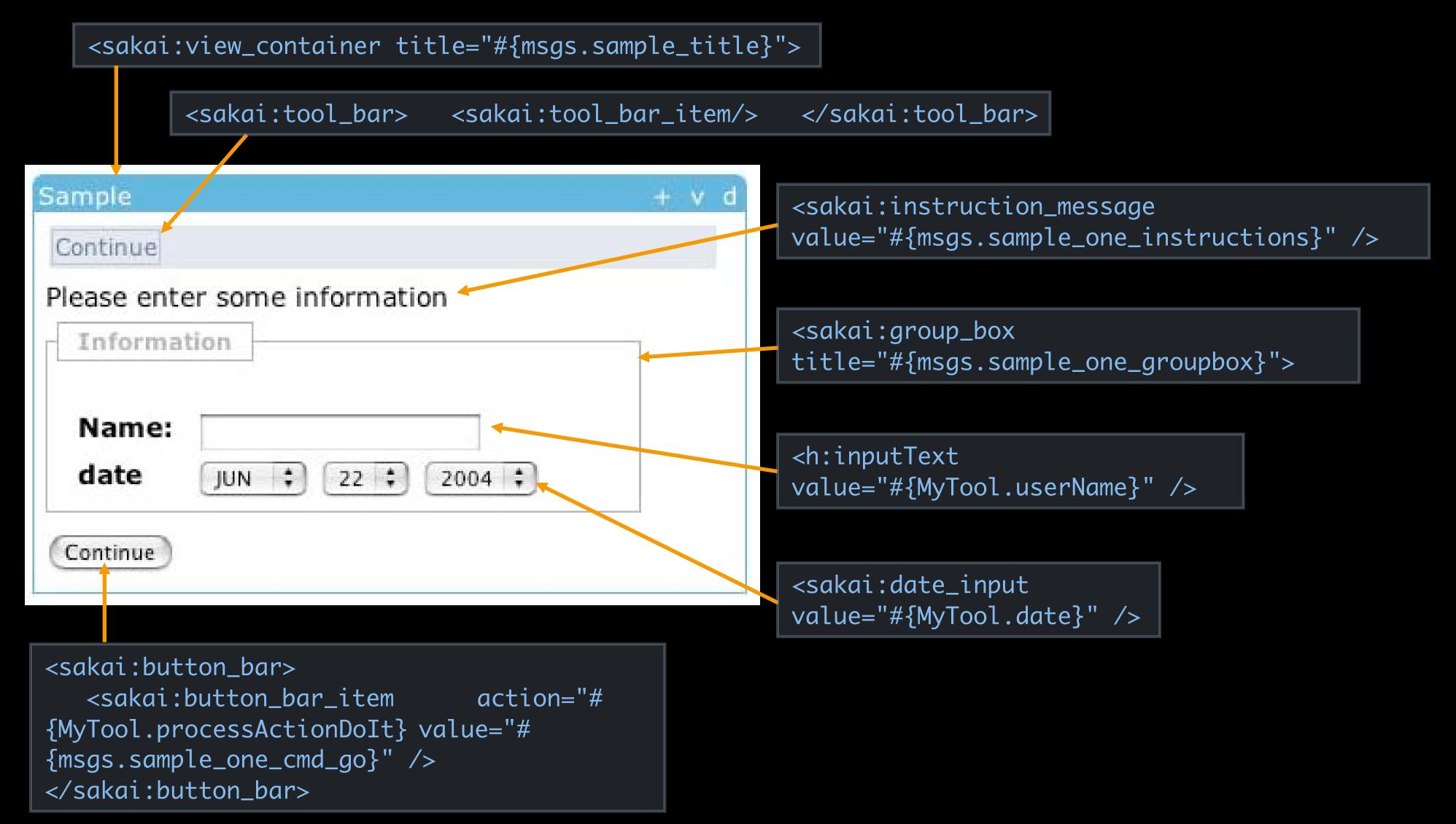
Sakai Web Services



Web Services and Web Appilcations

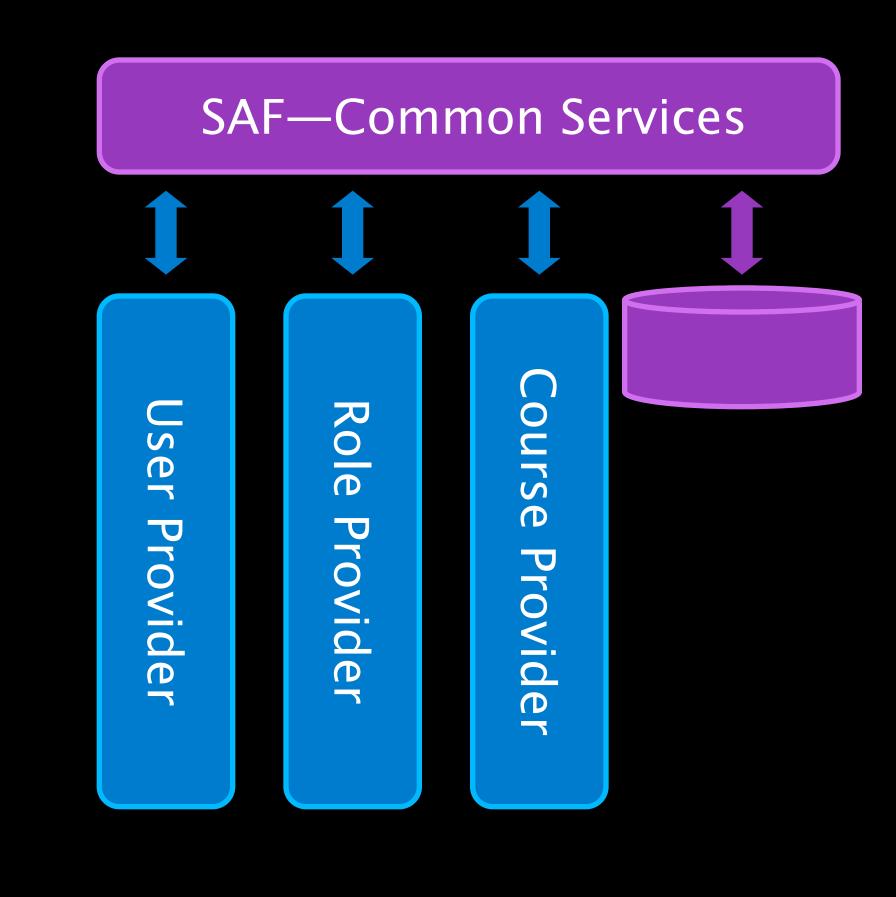


Sakai Presentation Services



Sakai Service Providers

- Common Services are localized using Plug-Ins
 - UserDirectoryProvider
 - RealmProvider
 - CourseManagementProvider
- These will be expanded
 - OKI OSID Based Providers
- Plug-Ins do not replace the persistence, they are consulted in order to populate Sakai structures



Sakai: More Information

- Main site: www.sakaiproject.org
 - Bugs: bugs.sakaiproject.org
- Sakai-wide collaboration area
 - collab.sakaiproject.org
 - sakai-dev@sakaiproject.org
 - sakai-user@sakaiproject.org
- My talks
 - http://www.dr-chuck.com/talks.php