Japanese Sakai based ASP Service
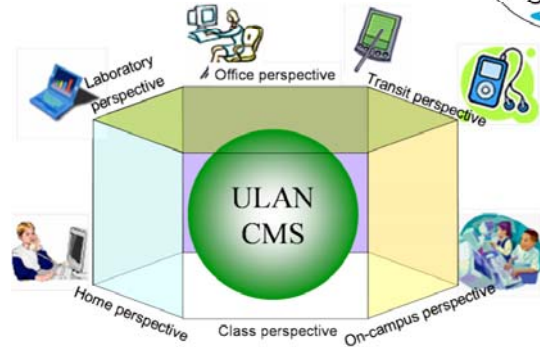## ULAN Project, Information Technology Center, Nagoya University

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Project Summary

"Development of fundamental software technologies for digital archives", i.e., "CC Society", is a research and development project on software technologies and standards required for utilizing and preserving intellectual properties in the fields of education, culture and the arts. The project comprises five subjects in the two major domains: digital archive of cultural properties; development of learning systems for digital archives in educational institutions.

As one of five subprojects, Nagoya, Kyoto and Osaka Universities are forming the ULAN project to realize a next-generation Course Management System under ubiquitous computing environment. Especially, ULAN Nagoya team is focusing on developing a context-aware CMS under the collaboration with CSK Systems Corporation.

Sakai based ULAN ASP Service for Japan

Objectives

- For researcher
  - To verify the effectiveness of ULAN CMS and Japanese-oriented tools, in real classes.
  - To improve Japanese Sakai based on real needs.
- For faculty
  - not required hardware and software to utilize Japanese Sakai.
  - trial use of Japanese Sakai.
- For Japanese users and developers.
  - To promote utilization of Sakai in Japan and solve Japanese specific problems.
- For international community
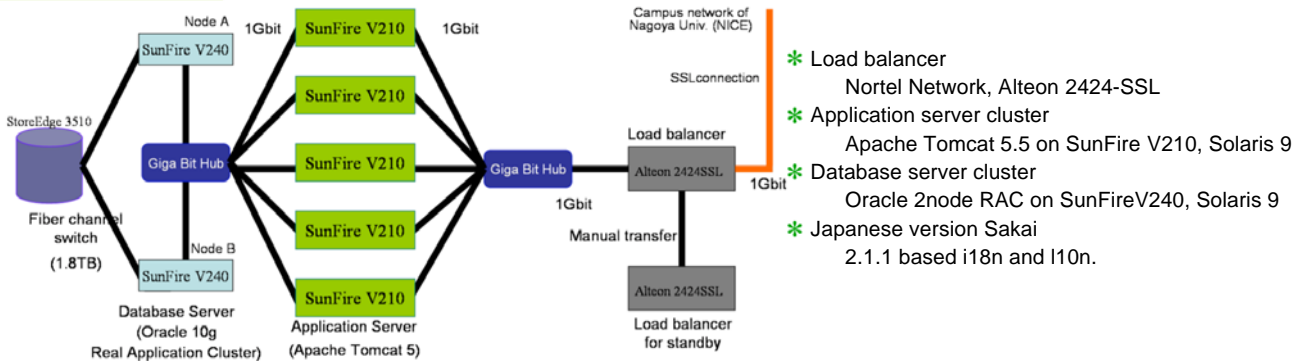 - sustainable development of Japanese Sakai.

Sakai under Japanese environment

Current Usage

Courses	9→
Instructors	19
Teaching Assistant	6→
Students	257

as of 2006.5.10

System Architecture

✳ Load balancer
   Nortel Network, Alteon 2424-SSL
✳ Application server cluster
   Apache Tomcat 5.5 on SunFire V210, Solaris 9
✳ Database server cluster
   Oracle 2node RAC on SunFireV240, Solaris 9
✳ Japanese version Sakai
   2.1.1 based i18n and l10n.

Out Vision : Bootstrapping "Just a site" to "The Hub of Sakai community in Japan"

use ASP service as an individual instructor
using automatic ID publication mechanism of Sakai

Use ASP service as a university
Cross-organizational authentication mechanism

Many universities have own CMS
Cross-organizational tool sharing mechanism

Ubiquitous **L**earning **A**rchitecture for **N**ext generation