AEN WG1 Activity Report - Technology for Interoperability -

2004-12-16 AEN WG1

Outline

- WG1 Vision
- Last year's activities
- This year's activities
- Future Direction

WG1 Vision

- Establish an e-learning technology community in the Asian region
 - Share technical information and issues about platform and content in terms of elearning standards
 - Cooperate with US and Europe based communities by exchanging information and requirements on standards

WG1 Background

- Penetration of e-learning in Asian region
- Interoperability issues in some countries
- Promotion needs in come countries
- New technologies emerging outside AEN

WG1 Activities: Last Year

- ALIVE2004
- IPR/PP Survey

ALIVE2004

- SCORM1.2 interoperability test
- 5 countries + ADL
- Reported at ADL International Plugfest 2004-02 in Zurich
 - http://www.adlnet.org/screens/shares/dsp_ displayfile.cfm?fileid=1012

ALIVE2004



IPR/PP Survey

- Collect Current Status and Requirements from AEN Countries
 - IPR related laws and regulations
 - Private data protection
 - 5 countries participated
- Reported at ISO/IEC JTC1 SC36 2004-03 in Montreal
 - http://jtc1sc36.org/doc/36N0718.pdf

Survey on IPR Issues

IPR laws

- Right of communication to the public
- Legal protection of technological measures
- Fair use
- Work made for hire
- Moral rights
- Agent for copyrights management
- Compound content for education
- Laws or regulations for the Internet
- Private data protection

Other Presentation from WG1

- AICC/ALIC/AEN eLearning Symposium in Bangkok from 4 - 8 Oct 2004
 - SCORM related activities
 - IPR issues

WG1 Scope: This Year

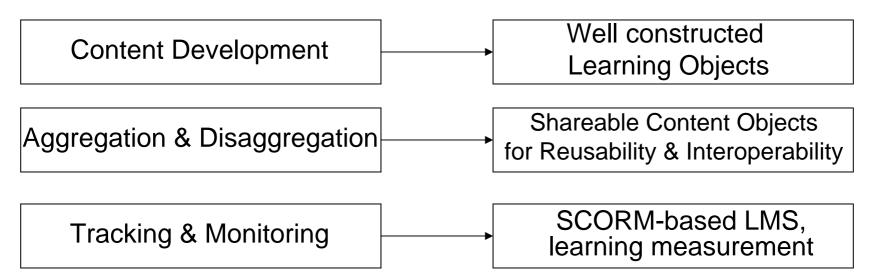
- Interoperability issues of existing standards in the market such as SCORM1.2
- Exchange information about new technology and standards such as SCORM2004, Distributed Repository and Learning Design

WG1 Activity Examples

- SCORM related
 - Issues about interoperability problem on SCORM1.2
 - Ambiguity of the spec.
 - Insufficient functionality
 - Issues about promotion of SCORM2004
 - LMS / authoring tool development
 - 1.2 to 2004 transition
 - Open source implementation

PlugFest 2004 in Singapore

Preliminary Test



Final Test



(Contents tested in two different LMSs.)

Interoperability survey on SCORM1.2 in Japan

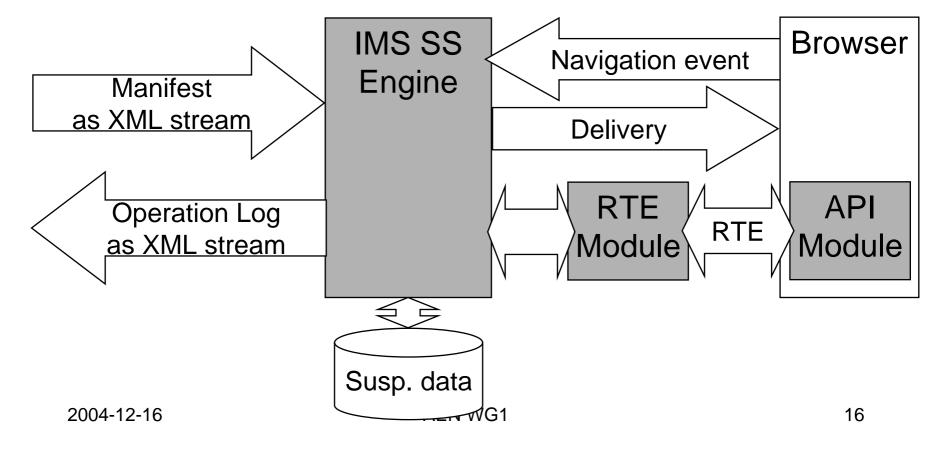
- Lesson status and mastery score
- Index number for array elements
- LMS allows fixed level for content tree
- SCO using optional element on mandatory only LMS
- SCO calls Initialize, finish then initialize
- Navigation GUI varies from LMS to LMS
- Resource URL
 - Use of absolute path
- Manifest file character code
 - Unicode / Shift JIS

SCORM2004

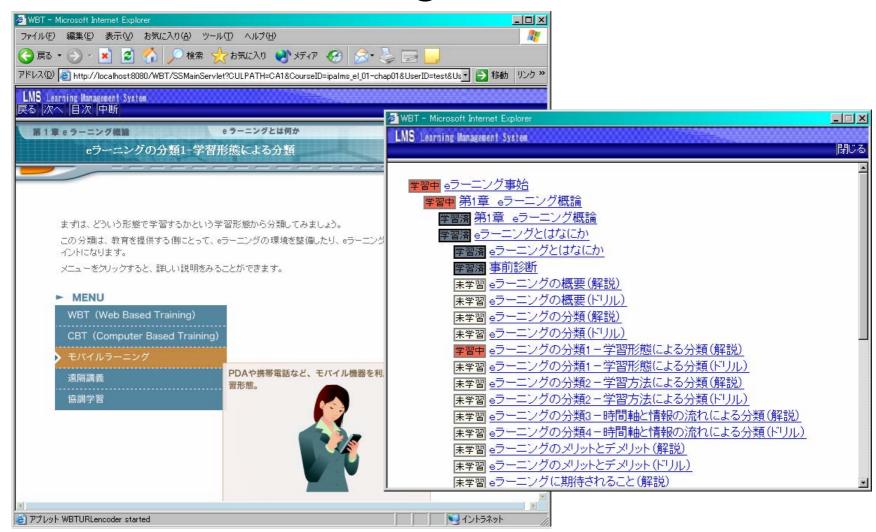
- Activity exists in Korea, Japan, Malaysia, Singapore
 - Several products already exist in Korea
 - 19 out of 35 Japanese vendors intend to introduce
 - Some implementation in Japan, Malaysia and Singapore

SCORM2004 Open Source Engine

Provided as Java class



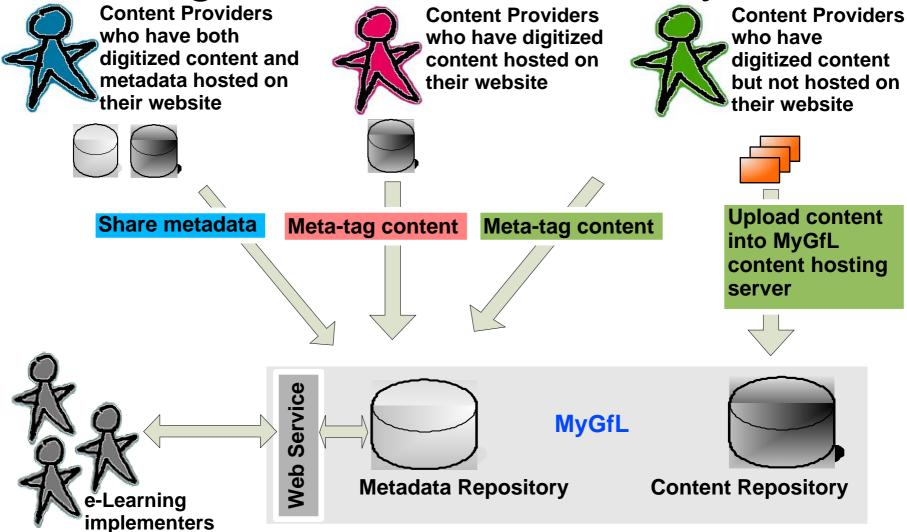
SCORM2004 Engine



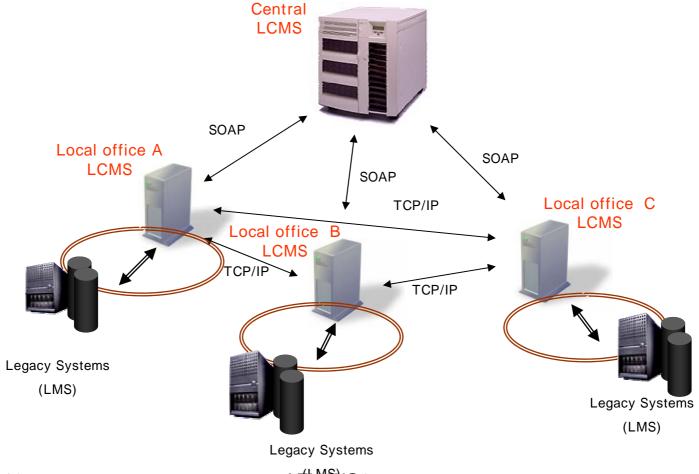
WG1 Activity Examples (Cont.)

- Metadata
 - Application profile
 - Metadata Center
 - Distributed Repository
 - -LCMS
- Content Design Criteria
- Learning Design
 - Content to Activity

Sharing of Metadata in Malaysia



Distributed LCMS in Korea



WG1 Issues

- Adoption of new technologies
 - SCORM2004
 - CORDRA
 - Distributed Repository
 - Learning Design
- Promotion of technology and standards
 - Open source implementation
 - Seminars, Tutorials, Training
- Cooperation with the organizations in the US and Europe

WG1 Next Activities

- Adoption of new technologies
 - Knowledge sharing about SCORM2004
 - Interoperability Experiment with each countries products
 - Seminars
- Promotion of technology and standards
 - e-Learning Vendor yellow page on AEN Web site
 - e-Learning content for understanding e-learning standard
- Cooperation with other organizations
 - ADL Co-lab in Asian region
 - CORDRA

Relevant Activities outside AEN

- CORDRA workshop with IMS meeting
 - Feb., 4-5, 2005, in Melbourne
 - http://www.cordra.org/
- SCORM workshop with Plugfest
 - Feb., 23-25, 2005 in US
 - http://www.adlnet.org/
- ISO/IEC JTC1 SC36
 - Mar., 7-11(Pleanry & WG), 14(Open Forum), 2005 in Tokyo
 - http://jtc1sc36.org/

Thank you!!

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