

Integration

Review Presentation (WP08)

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Outline of the presentation

- Objectives
- Scientific and technological challenges
- Methodology
- Major findings and results
- Deliverables
- Demonstrations

Objectives

- Design a prototype that demonstrates key concepts and major results from other work packages
- Define common infrastructure used for inter-component communication
- Define interfaces between components
- Define interfaces to the broadcasters environment
- Design / implement some of the components
 - Consumer System (incl. MHP application and Return channel server)
 - Production System Services
- Let it fly!

Scientific and technological challenges

- Evaluate infrastructure technologies supporting
 - distributed development of
 - loosely coupled software components
- Analyse existing broadcasters technical environment
 - workflows
 - technical environment
 - signal paths
 - potential interfaces
- Design a minimal interface between the new LIVE system and the existing production environment
 - anticipating broadcaster's various interests
 - anticipating various broadcasters interests

Methodology

- Service Oriented Architecture (SOA)
 - Web Services, SOAP, XML, Java Application Server, ...
- Loosely coupled systems
 - narrow interfaces
 - messaging services
- Incremental design and implementation
 - rapid prototyping
 - matching the 3 project phases of LIVE
- Common “System Integration Days” scheduled as needed

Major findings and results

- Refined system architecture
- First prototype definition
- Overall Implementation and Integration plan (D8.1)
- Design and partial implementation of production gateway services
 - web service control interface for GrassValley K2 A/V server
- Design and implementation of consumer system
 - using MHP/JAME
 - return channel server as gateway between consumer system and recommender system
- Importance of well documented, industry wide standards
 - e.g. VDCP

Deliverables

- D8.1: Description of the overall implementation and integration plan
 - Introduction to First Prototype System
 - Refined System Architecture
 - Workflows
 - Interfaces and Components
 - Time table and plan
- First result was shown yesterday!

