

OSS Symposium

Putting Functionality in the Open Source Network

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FEB-25-1994 14:21 FAX HSH/LC 00 0000000000000000

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Functionality...defined

- Functionality is the quality of or related to being functional
- Functional is to be expert... to keep in good running order
- For our purposes - functionality is: those services which provide a user friendly environment for locating, accessing, manipulating and sharing information

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Architecture Evolution

- STIC-OSS
 - OSIS
 - Storefront
- OSJTF
 - OSCO
 - Community Coordination
- ASWG
 - Distributed Architecture
 - Virtual Entity
- AWG
 - Connectivity
 - Functionality

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Architecture Summary

- **Connectivity - Open Source Network**
 - Phase 0 - Separateness
 - Phase 1 - Unclassified Network
 - Phase 2 - MLS Gateway
 - Phase 3 - MLS Workstation
- **Functionality - Open Source Service Agent**
 - Phase 0 - User Vindictive
 - Phase 1 - O SSA Prototype
 - Phase 2 - O SSA
 - Phase 3 - Enhanced O SSA

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Functionality

- **Storefront & Gateway Services**
- **National Data Bases**
- **Open Source Requirements System**
- **Analysis & Production Interface System**

Storefront & Gateway Purpose

- Locating Information
- Acquiring Information
 - Access Information of the World
- Manipulating Information
- Collaborating on Information
- Communicating on Information
- Disseminating Information

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Storefront & Gateway Services

- Data Base Recommendation System
- Union Catalogs
- Intelligent Retrieval Mechanisms
- File Transfer Protocols
- Data Profiling
- On Demand Machine Translation
- Tools Recommendations System
- E-Mail & Bulletin Boards
- Help Desk

National Data Bases

- Access to Data Bases
 - Other Government Data Bases
 - INTERNET Data Bases
 - Commercial Data Bases
- Intelligence Community Data Bases
 - Common Concern Data Bases
 - Specialized Expertise Data Bases
 - Information Data Bases

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Open Source Requirements System

- Substantive Data
 - Local Holdings
 - Union Catalog
 - Library Resources
 - Collection Requirements

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- Gray Information
- Collection Requirements Management System
- Tools Requirements

Analysis & Production Interface System

- Tools
 - Manipulate Information
 - Visualize Information
- Infrastructure Support
- Collaborate & Share
- Report & Disseminate

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Enhanced OSSA

- On-Line, Digital Information
- Full Text
- Object Oriented, Multimedia
- Automated, Robust Indexing
- Automated/Assisted Understanding

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Summary

- Architecture
 - Connectivity
 - Functionality
- Prototype OSSA
 - A Beginning
- OSSA
 - User Friendly Support to the Community
 - Promotes Achievement of Virtual Entity
- Enhanced OSSA
 - Enables Broader Community Contributions

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