

# OSS Symposium

## Putting Functionality in the Open Source Network

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# Functionality...defined

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- **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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