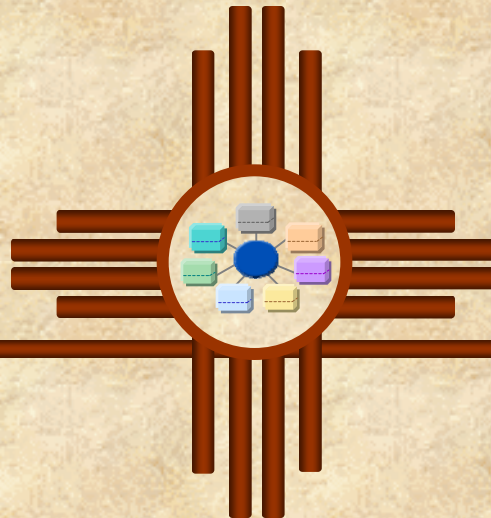


ebXML Registry Repository



Open Forum 2003 on Metadata Registries

2-3:30 p.m.

21 January 2003

Alan Kotok, DISA

Tony Weida, Apelon

Monica J. Martin, Drake Certivo



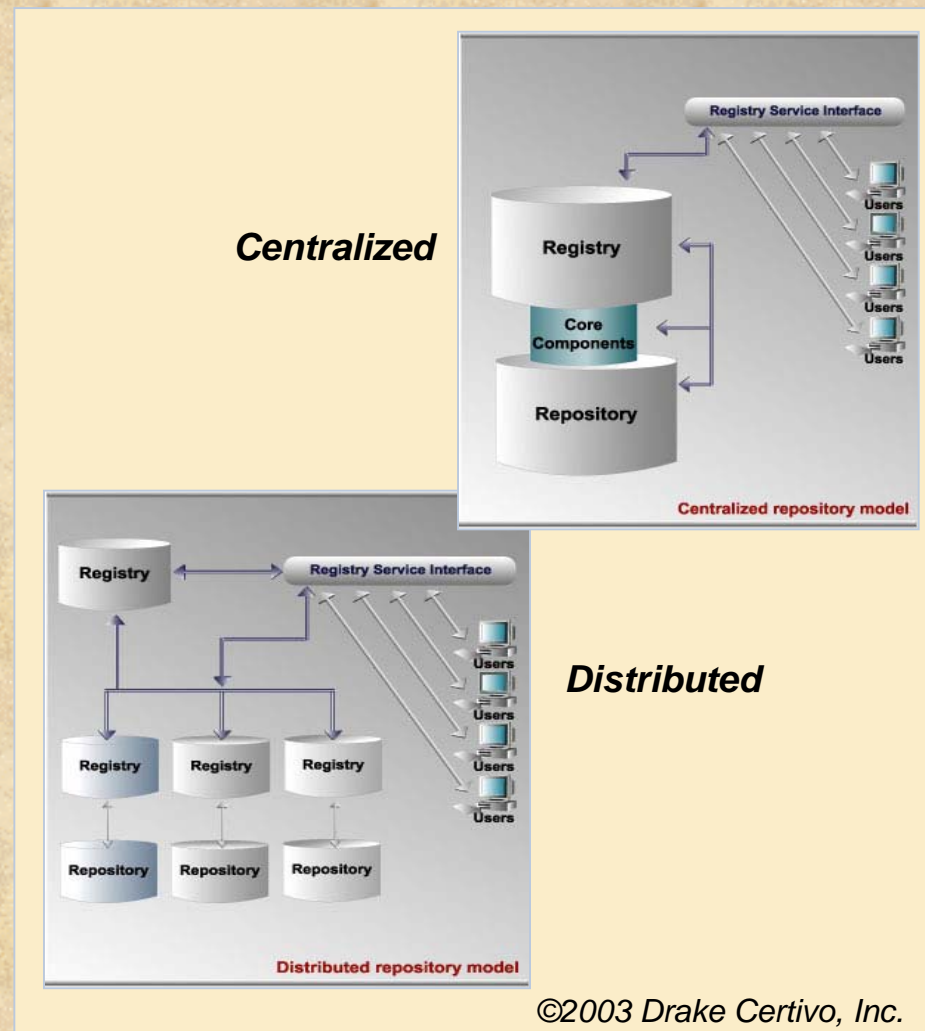
Tutorial Outline

- The ebXML Registry and Repository
- Role of ebXML Reg/Rep in Business and Technology
- Basic Implementation Steps
- Implementation Challenges
- The ebXML Reg/Rep Uses in Multiple Architectures
- Implementation Use Cases
 - ◆ Automotive: General Motors
 - ◆ Cross-industry: DISA DRIVE
 - ◆ Health Care: SAGE
- Panel Discussion



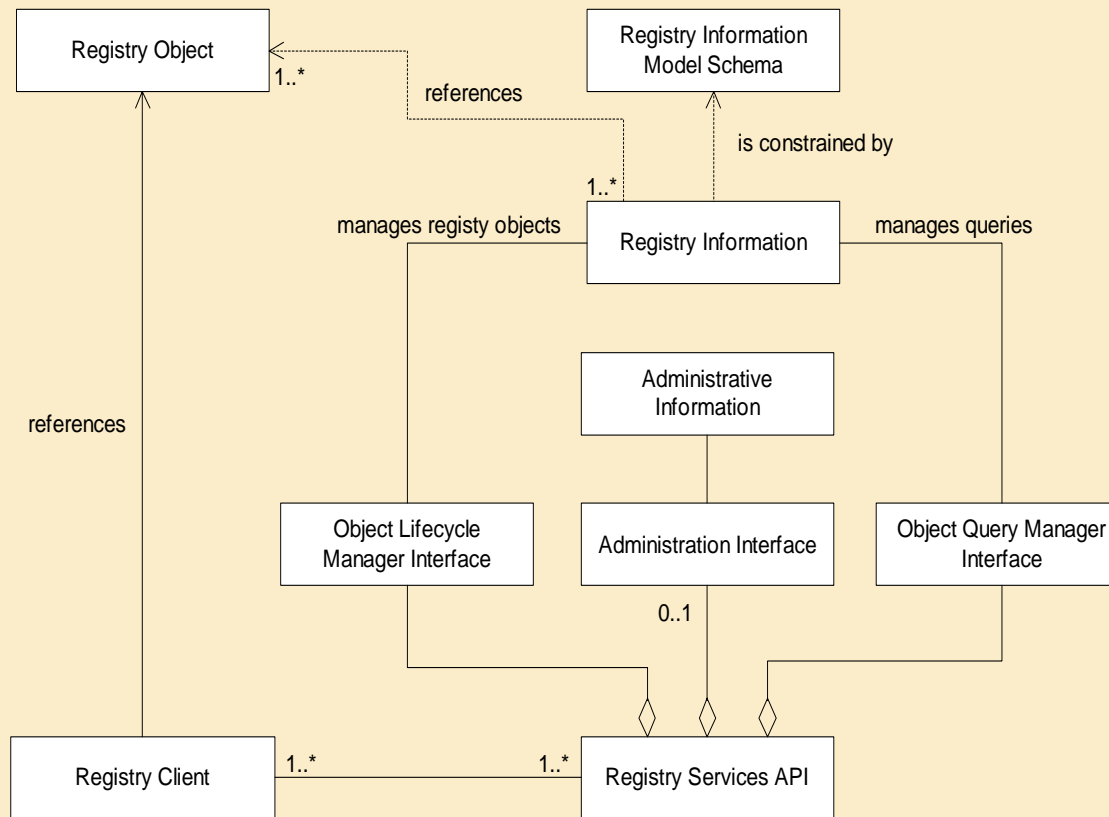
The ebXML Registry and Repository

- Provides services to enable information sharing.
- Enables business process integration.
- Provides mechanisms to store and retrieve persistent information required by the Registry Services.





Functional View of ebXML Reg/Rep

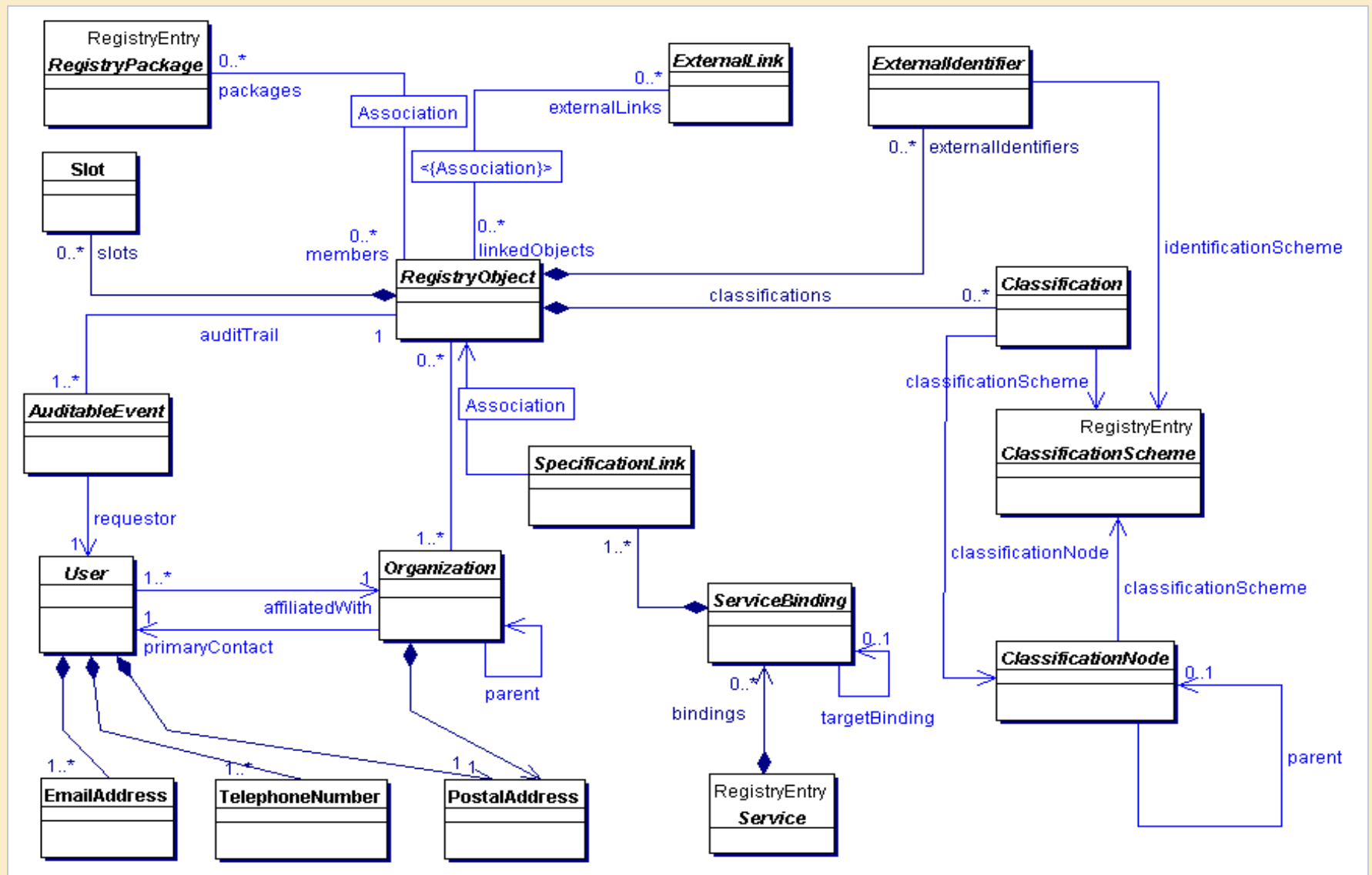


Source: UN/CEFACT eBusiness Architecture v0.83, 12 December 2002

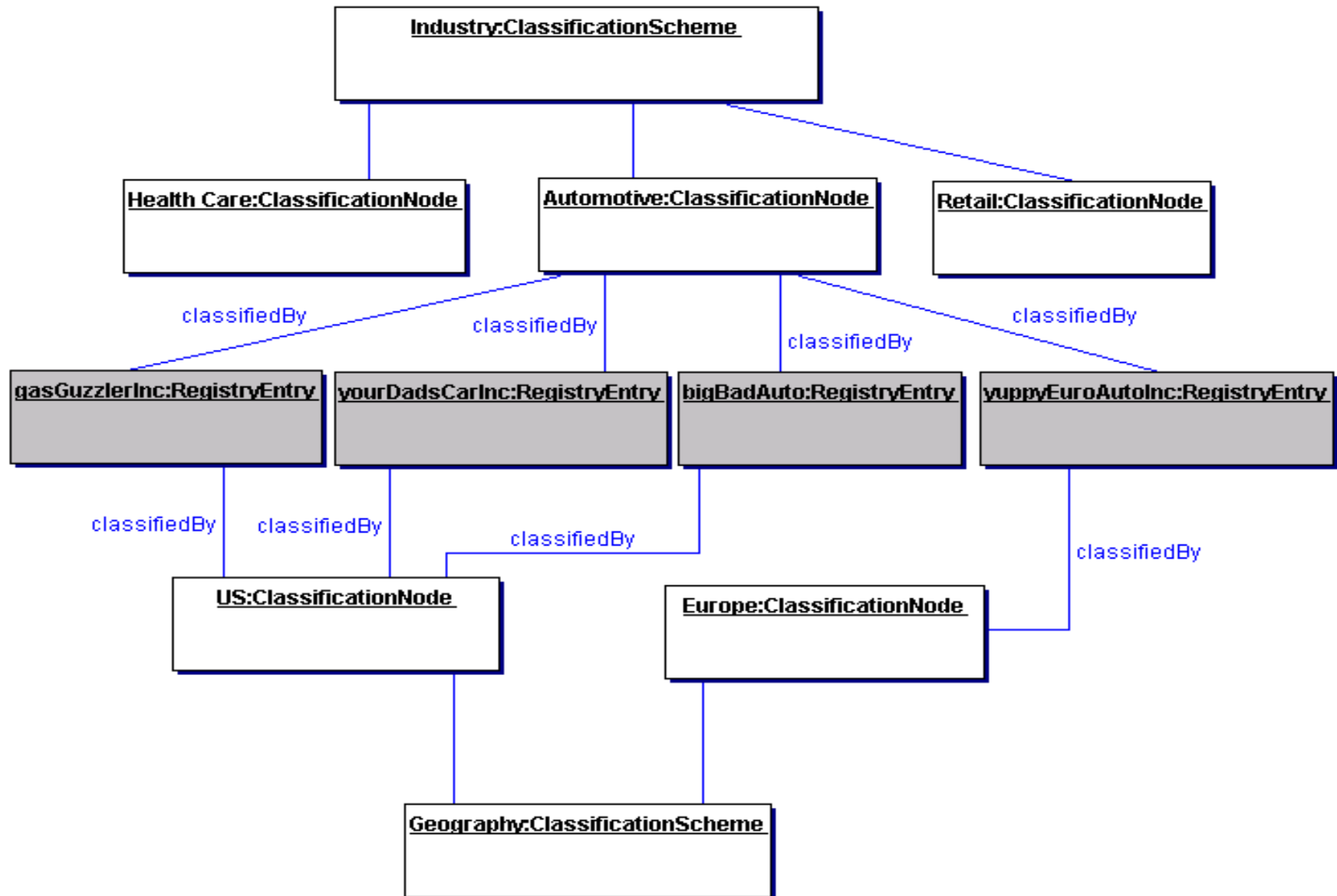
Open Forum 2003 on Metadata Registries

- Allows business to locate trading partners, capabilities, services, business processes, and objects and artifacts.
 - ◆ Links and semantic relationships
 - ◆ Publish and discover any content.
 - ◆ Content-specific validation and cataloging
 - ◆ Arbitrary classification
 - ◆ Content-based, ad hoc queries
- Can provide the domain model for and support interoperability for web services.

Registry Information Model

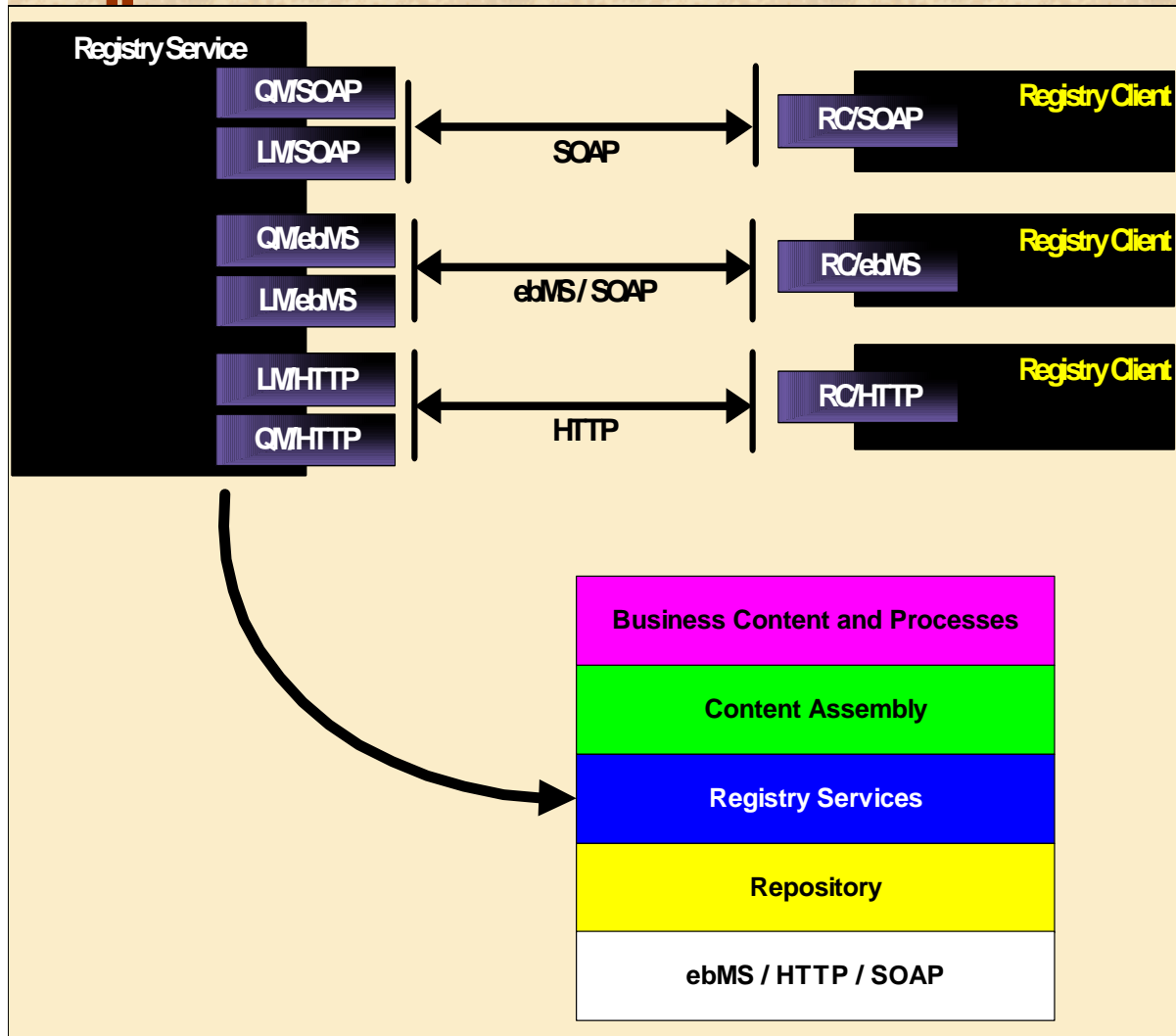


Object Classification





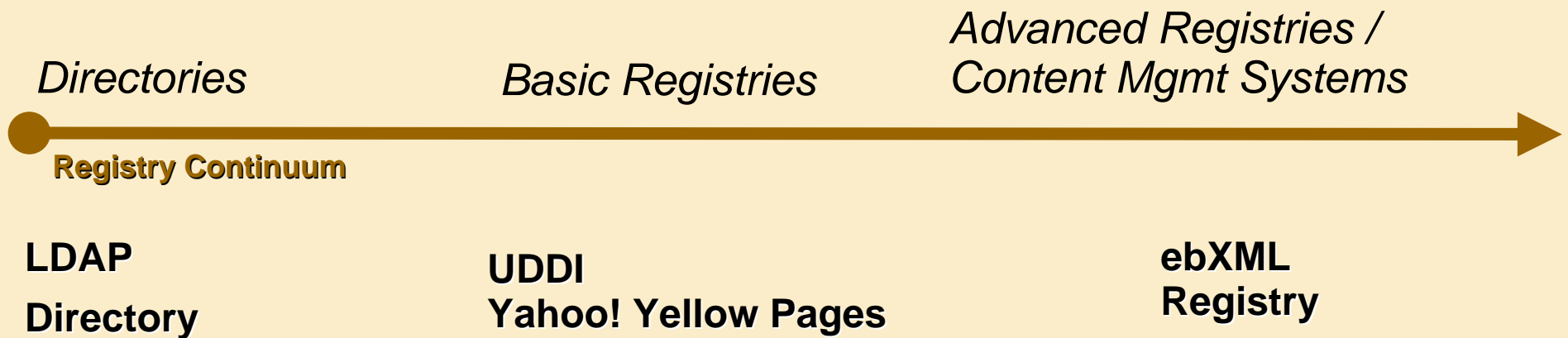
Role of ebXML Reg/Rep in Business



- As a part of the ebXML vision, enable global trade with proven technologies.
 - ◆ Bridge eBusiness and enterprise processes and semantics.
 - ◆ Cover many partner interactions.
- Provide uniform methodology/means to register, discover, and retrieve registry objects using standard protocols.
- Provide an effective communication tool for business domain and operations.



Registry Capabilities



See Capability Matrix at:

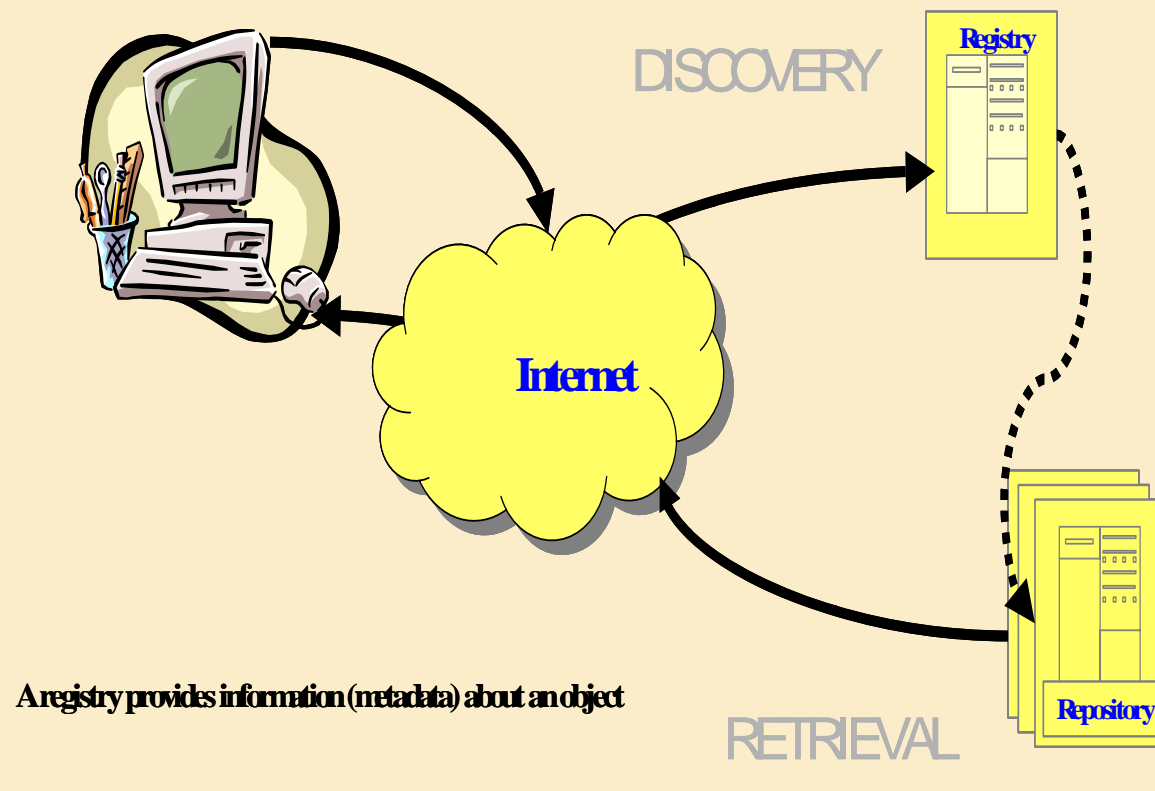
http://ebxmlrr.sourceforge.net/ebxmlrr-spec/Registry_Capability_Matrix.html



Technical Role of ebXML Reg/Rep

Discovery & Retrieval

Information is easy to *discover* and *retrieve*.
The registry enables discovery
The repository enables retrieval

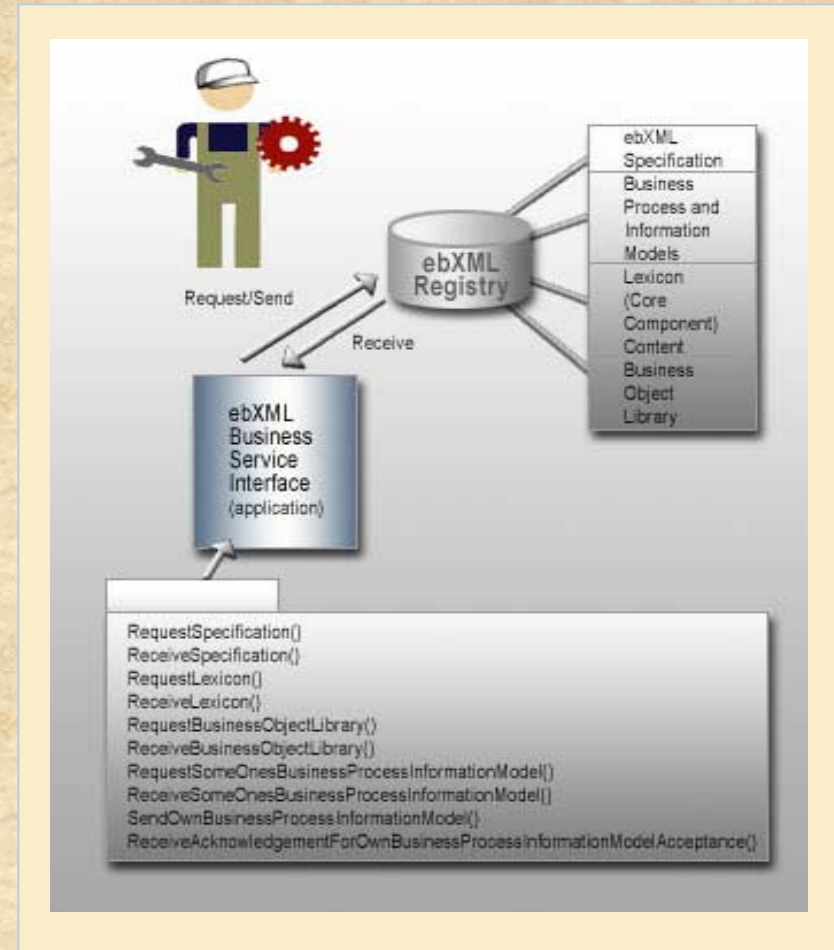


- Event notification
- Content classification
 - ◆ User-defined taxonomies
 - ◆ Business artifact classification
- Content and knowledge management
 - ◆ Content-based publish and subscribe
 - ◆ User-defined relationships between content
 - ◆ Associations of internal and external classification schemes
- Discovery and retrieval
 - ◆ Federated SQL/XML queries



Basic Steps to Implement

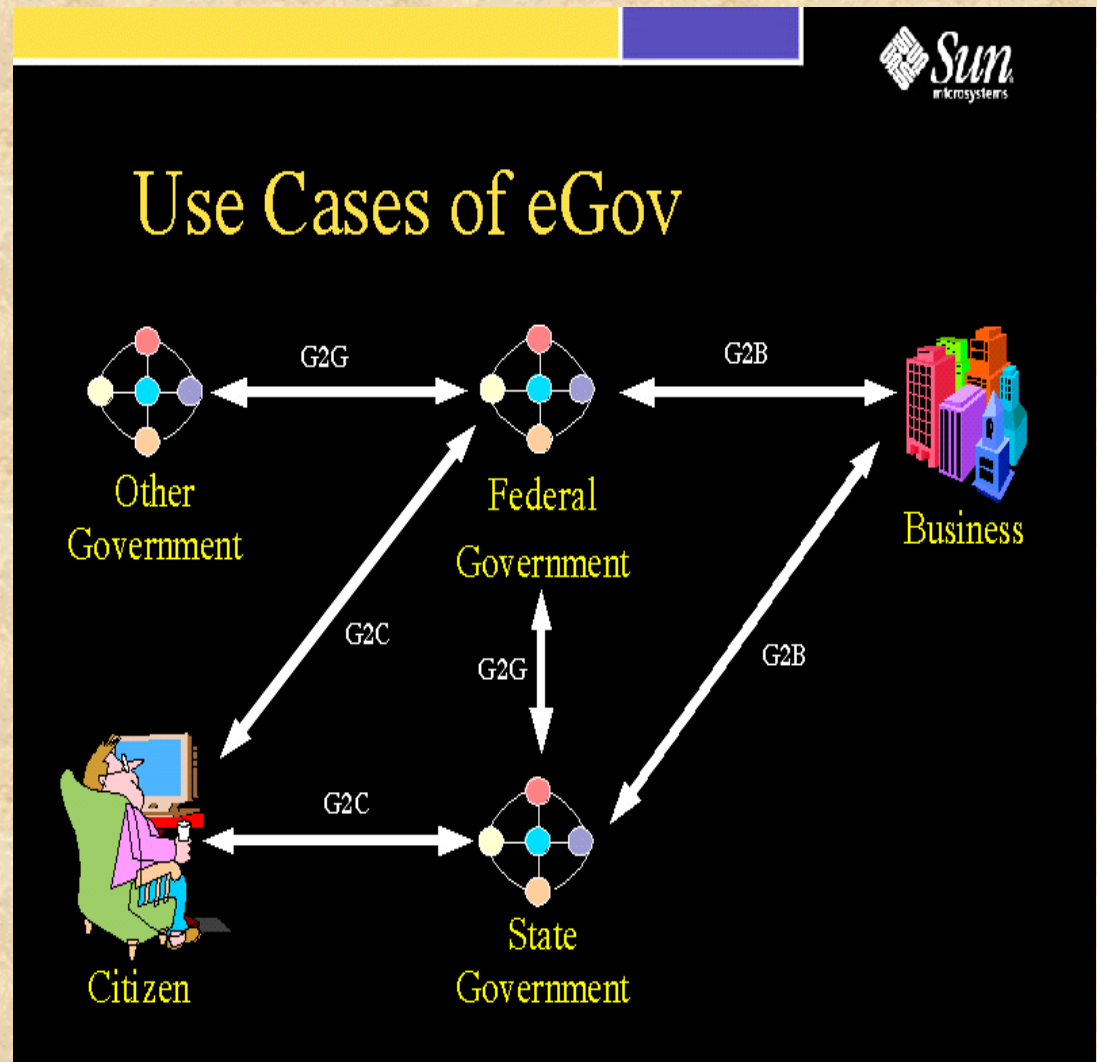
- Identify business requirements.
- Identify artifacts, objects, or data.
- Evaluate tools.
- Review and prepare objects for registration.
- Define and set up information model.
- Define registry services.
- Describe associations, relationships between objects.
- Understand processes to support – security, metadata, and use.





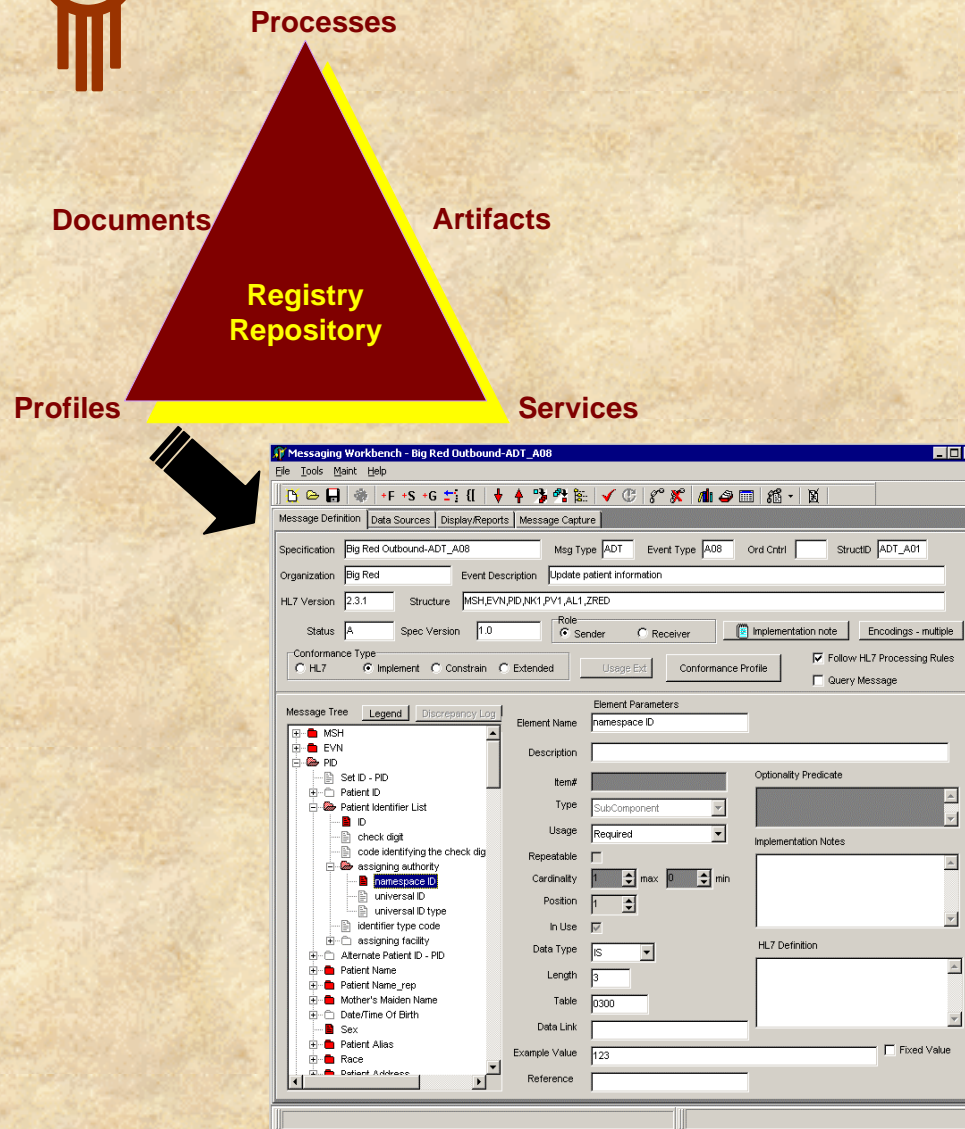
Implementation Challenges

- Identifying business needs.
 - ◆ Instill confidence.
 - ◆ Public or private registry?
- Define registry information model and classify objects.
- Selecting vendors and securing expertise.
- Defining and implementing processes internally and with trading partners to support.
- Defining and implementing access control policies.
- Integrating legacy applications and processes.

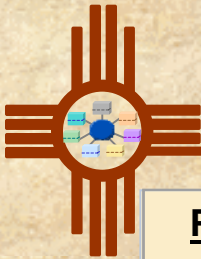






ebXML Reg/Rep in an Multiple Architectures

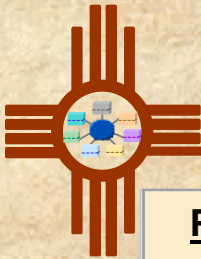


- Achieve agreements and collaborate to store, discover and use:
 - ◆ System capabilities
 - ◆ A decision-making structure for eGovernment
 - ◆ Business entities and services in an eMarketplace
 - ◆ Common business processes to enable global trade
 - ◆ Business documents for trading partner use
- Enable service decision-making and delivery:
 - ◆ Profiles to drive implementations in health care
 - ◆ Medical or clinical data to improve diagnosis and health care service delivery





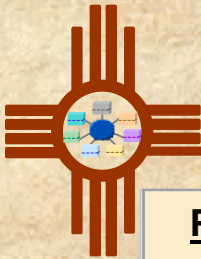
Implementation Use Cases

<u>Project / Standards</u>	<u>Stakeholders</u>	<u>Progress</u>	<u>Plans</u>
<p>DISA - Finance, Mortgage Banking, Standards, Travel, Grocery, etc.</p> <p>ebRS and ebRIM 2.0 Registry only</p> 	<p>DISA ASC X12 IFX MISMO OTA XML Global</p>	<p>Created registry with MISMO, IFX using NAICS, UN/SPSC.</p> <p>Tests involve CPP and SOAP messaging.</p>	<p>Add new testing features.</p> <p>Add more classifications and objects – registering objects in a more granular manner.</p>
<p>General Motors – Automotive</p> <p>Software Factory Enabler Project</p>  <p>ebRS and ebRIM 2.0</p>	<p>General Motors Suppliers OAG Inc. AIAG / STAR Sun Microsystems Sybase New Era Networks BEA IBM</p>	<p>SOA – ebXML/ Web Services Demo/Pilot in September 2002</p> <p>Reg/Rep as the B2B Document Mgmt System; ebxmlrr used.</p>	<p>Q4 2002 and into 2003: Formalize use of ebXML Reg/Rep and other non-ebXML elements.</p> <p>Standardize SOA products/processes for integration guidelines.</p> <p>Mentor ebXML and Web Service projects.</p>







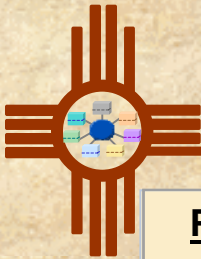
Implementation Use Cases

<u>Project / Standards</u>	<u>Stakeholders</u>	<u>Progress</u>	<u>Plans</u>
US Government and Health Care – HL7  ebRS and ebRIM 2.1	HL7 NIST Sun Microsystems	For HDF effort, study how to use Reg/Rep to store V2 Conformance Profiles and V3 Templates. Experimental Reg/Rep online	Study HL7 processes and artifacts to understand how to effectively use the ebXML Reg/Rep – metadata, storage, query, retrieval and process integration. In future - MWB Interface and registry host.
Health Care – Institutions, Providers - Advanced Technology Program  ebRS and ebRIM 2.1	NIST Apelon, Inc. Mayo Clinic IDX Univ. of NE Univ. of Utah Intermountain Health Care Stanford Medical Informatics	Continue to define standardized shareable clinical guidelines using common vocabularies.	Identify metadata for guidelines and how it is mapped to RIM. Develop a guideline registry, that is web-enabled, to facilitate SAGE.



Implementation Use Cases

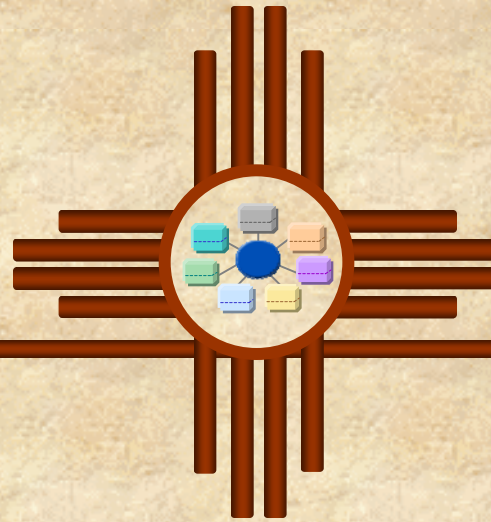
<u>Project / Standards</u>	<u>Stakeholders</u>	<u>Progress</u>	<u>Plans</u>
<p>Pacific Rim - KIEC Reg/Rep now REMKO</p>   <p>ebRS and ebRIM 2.0</p>	<p>KIEC Iron and Steel (KISA) Other industry players</p>	<p>Completed v.1.0 and first development stage.</p> <p>**Ten Pacific Rim countries plan to implement ebXML by 2005.**</p>	<p>Continue effort with Iron and Steel industry to support their National Central Registry and Repository.</p> <p>Upgrade v3.0 planned. Interconnect NCRR, and Iron and Steel.</p>
<p>Pacific Rim - KTNET</p>   <p>ebRS and ebRIM 2.1</p>	<p>KTNET (XENI-Global Business Registry, GXML Hub-messaging center)</p> <p>Pan-Asia Alliance (PAA) POSData Innodigital</p>	<p>Launched the XENI RegRep in November 2002, which hosts XML schema, CPP and EDI libraries.</p>	<p>Have plans to participate and/or collaborate with ebXML IIC in test arena.</p> <p>Will promote BPMS Engine adoption.</p>



Implementation Use Cases

<u>Project / Standards</u>	<u>Stakeholders</u>	<u>Progress</u>	<u>Plans</u>
<p>Government of Australia</p>  <p>ebRS/RIM 3.0 planned</p>	<p>NOIE backed by Government of Australia Standards Australia Multiple, cross-industry stakeholders</p>	<p>Completed analysis.</p> <p>Pilot ongoing. Decisions almost complete to move forward with later phases.</p>	<p>Phase 1: Distributed registry. Phase 2: Multiple ebXML specs – BPSS, CPPA, Reg/Rep.</p> <p>Implementation and deployment anticipated soon, after finalization of contractual agreements.</p>
<p>Government of Canada E-Forms Domain Architecture</p>  <p>XML in Ontario</p>  <p>EDAT: 1.0; XiO: 3.0</p>	<p>EDAT: Ottawa and Vancouver XMLGlobal Sun Microsystems</p> <p>XiO: In Ontario - Transportation, health and economic agencies</p>	<p>EDAT: In 2002, integrated MS BizTalk environment with a Registry and ebXML adapter.</p> <p>XiO: Phase 2 – Evaluate tools. Committed to ebXML.</p>	<p>EDAT: Using current version, until funding allows next steps.</p> <p>XiO: Complete evaluation; implement prototype by March 2003; work with government ministries/agencies to enable ebXML solution (plan Reg/Rep 3.0).</p>

General Motors Software Factory Enabler Project



Open Forum 2003 on Metadata Registries

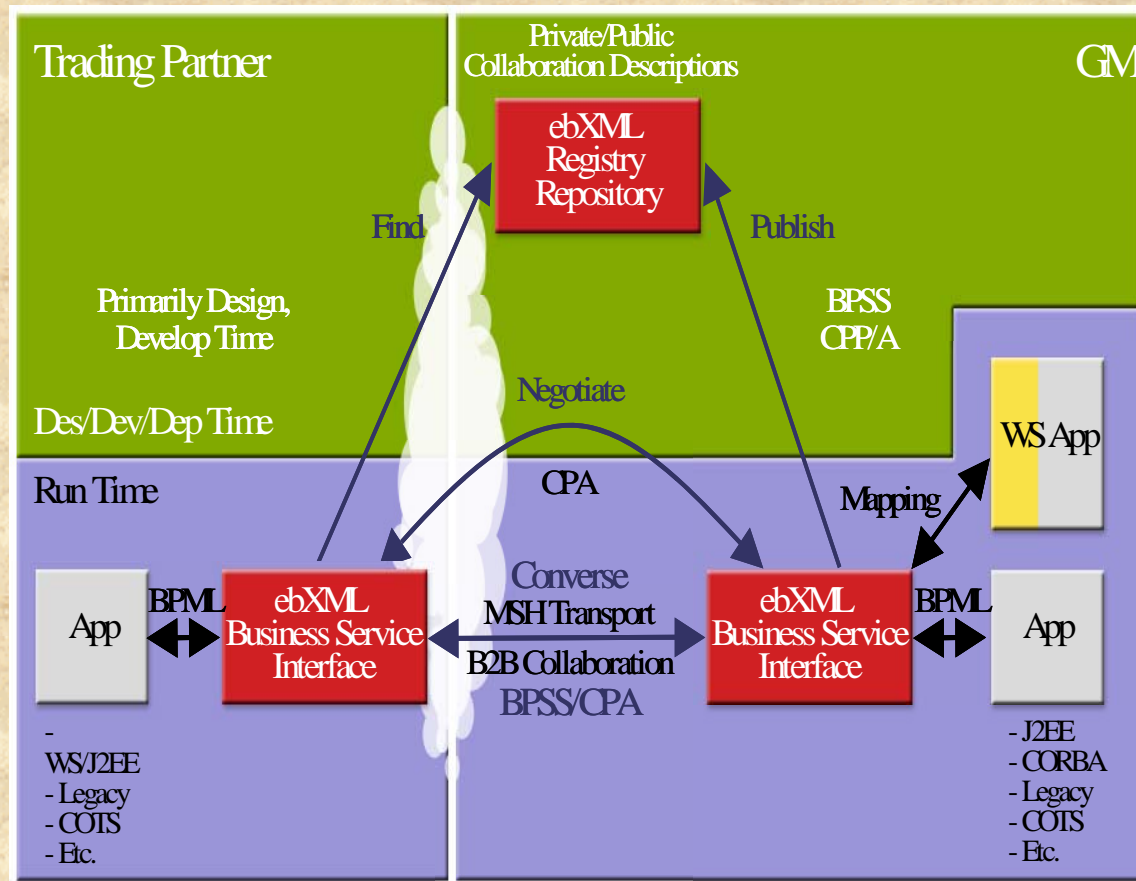
*Monica J. Martin
Drake Certivo, Inc.*

21 January 2003





General Motors: Software Factory Enabler Project



- Use ebXML to extend the service-oriented architecture and enhance B2B to:
 - ◆ Allow loose coupling of components for scalability and extensibility.
 - ◆ Improved deployment and execution.
 - ◆ Encouraged buy vs. build model.
 - ◆ Lowered costs and increase business agility.
- Create a reference implementation that integrated A2A and B2B complex interactions.

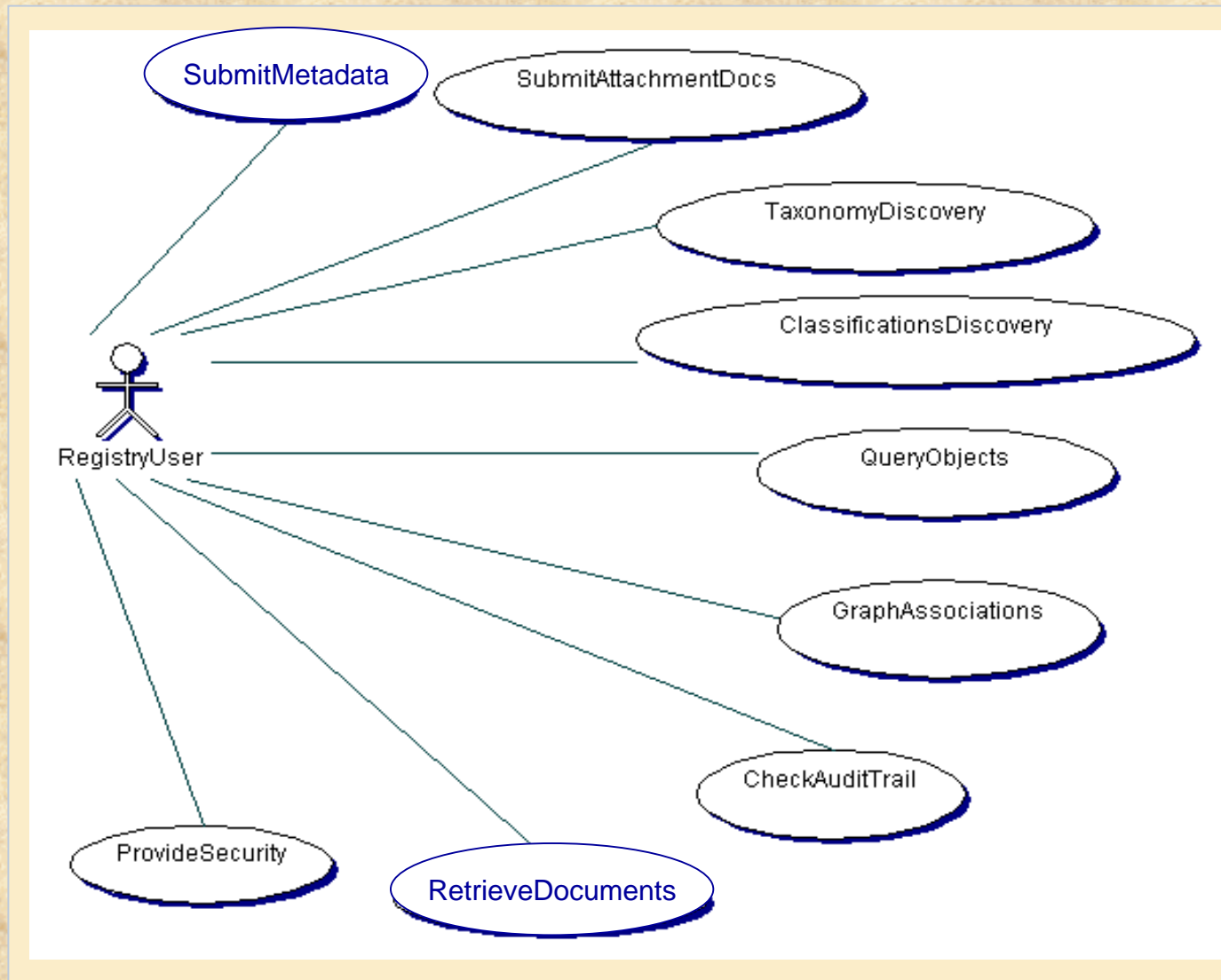


GM: Need for ebXML Reg/Rep

- A registry serves multiple needs (for example, search for APIs or trading partner relationships).
- Reg/Rep is the latest evolution in B2B electronic business.
 - ◆ Point-to-point → B2B Exchanges → ebXML Reg/Rep
- Enables publishing and discovery of trading documents.
- Enables businesses to find partners and services.
- Consists of a database of shared information:
 - ◆ CPP, core components, schemas, business processes, UML models, business documents, software components, etc.
- Can provide an electronic yellow pages for publication, classification and discovery of businesses, products, services.
- Can provide an electronic bulletin board for dynamic sharing of content.



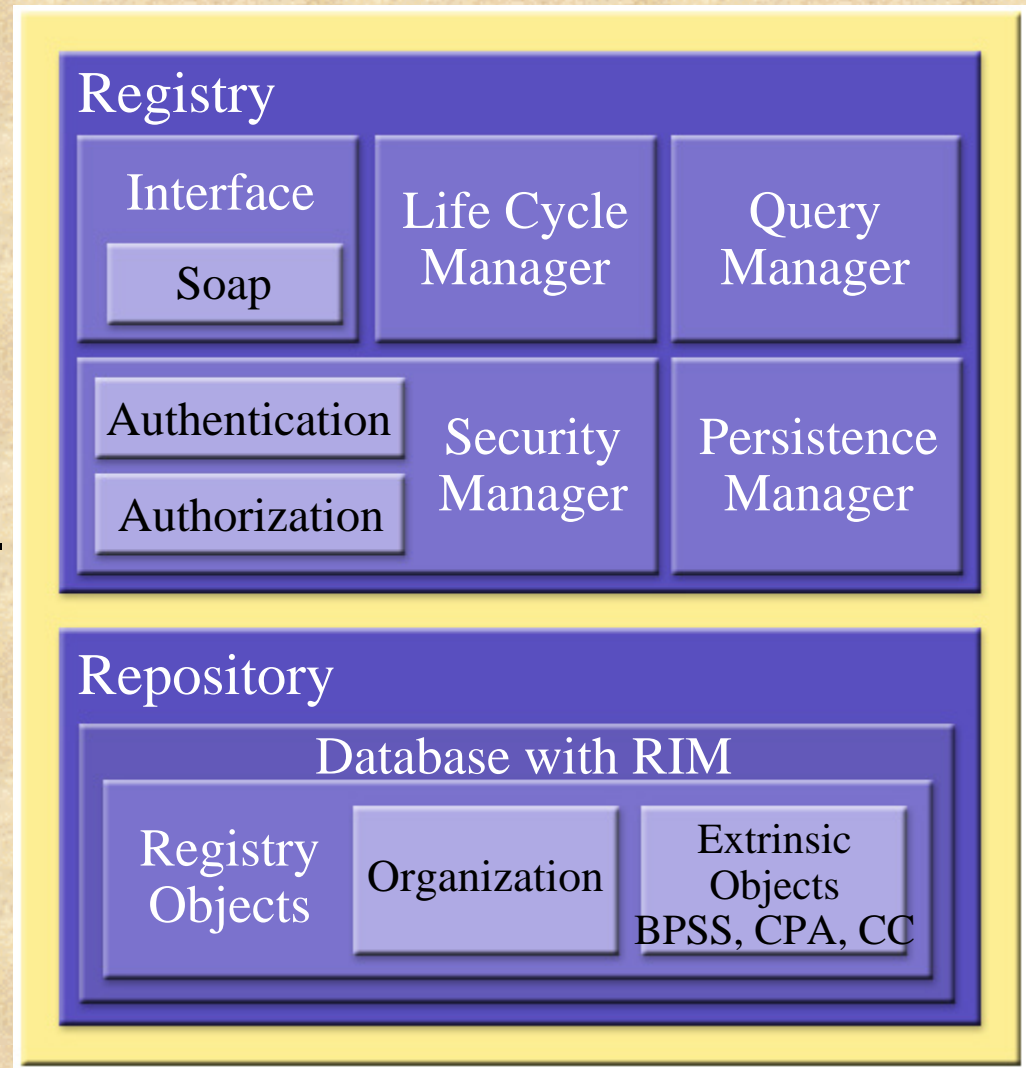
GM: Reg/Rep Use Case for Reference Implementation



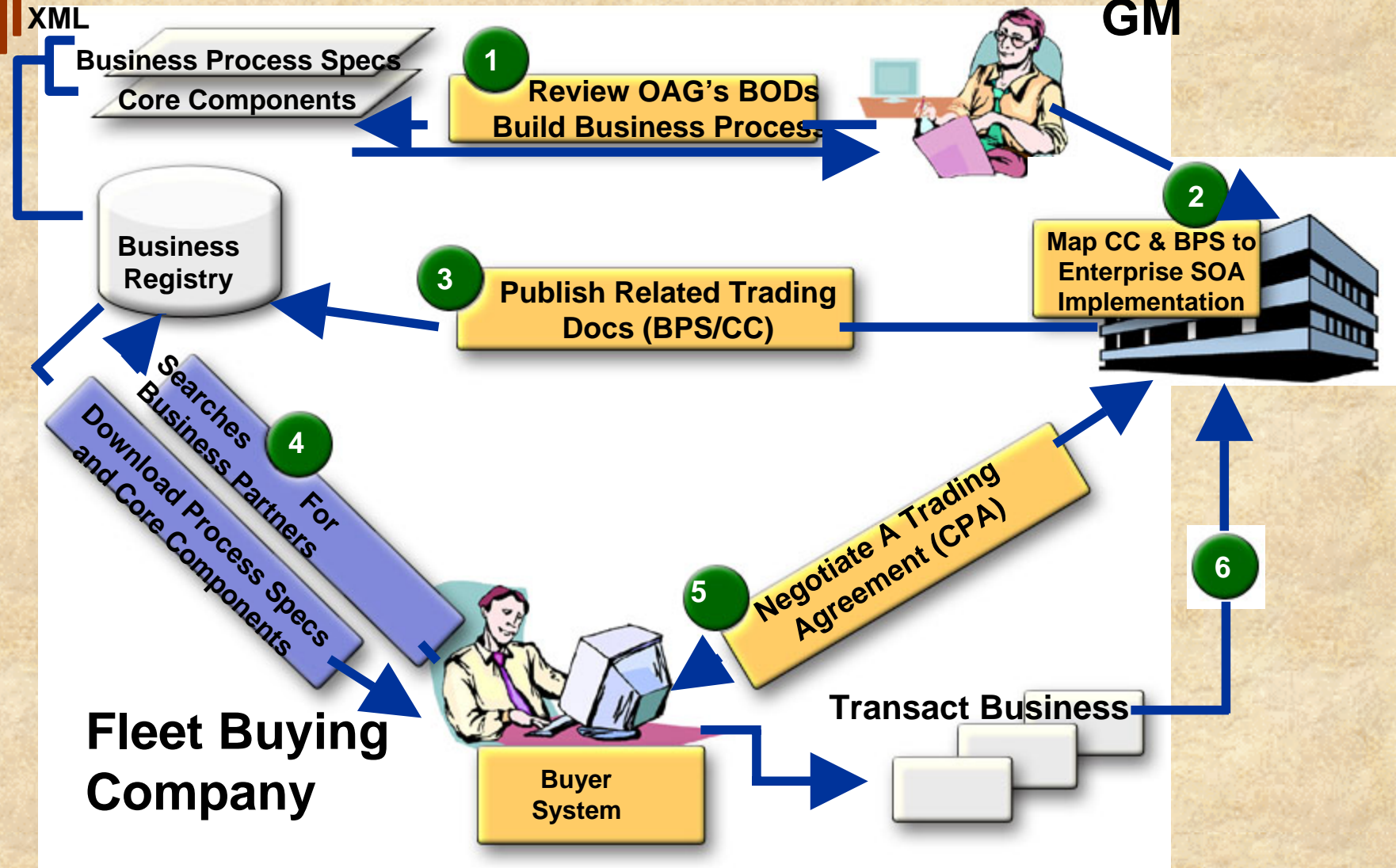


General Motors: Technical View of ebXML Reg/Rep

- Original code donated by Sun.
- Developed in open source.
- Developed entirely in Java and fully compliant with Reg/Rep v.2.0 specification.
- Uses Java 2 Enterprise Edition APIs.
- Uses Java APIs for XML from Sun.
 - ◆ JAXP, JAXB, JAX-RPC, JAXM, JAXR



General Motors: Processes





GM: Registry Functionality

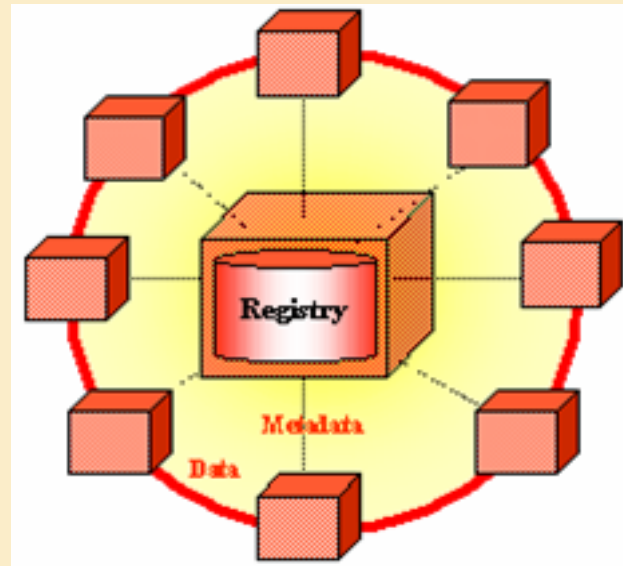
- Discovery – How to find trading partners
 - ◆ Access Reg/Rep as a Web Service via a URL.
 - ◆ Search all “Services” exposed as web services.
 - ◆ Search for all trading partners – “Organizations”.
 - ◆ Filter the Organizations.
 - Standard Taxonomies Filter
 - Custom Taxonomies (BPSS) Filter
- Explore the trading partner documents.
 - ◆ Explore the Documents associated with the BPSS
 - Through the GUI mapping
 - Find document through ad hoc query
 - ◆ Download the CPA, BPSS and CC from the Repository.
- Create and submit metadata.
 - ◆ GUI browser
 - ◆ XML content





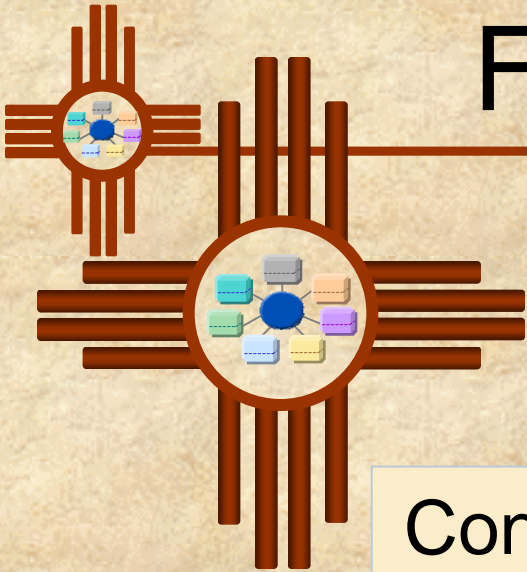
GM: Implementation Challenges

- Need for federations to handle multiple GM divisions (Now in ebXML Reg/Rep 3.0).
- Minor issue with digital signature validation (Resolved during development).
- Overall performance concerns with XML (Not specific to ebXML Reg/Rep).



Information Services Layer

For More Information ...



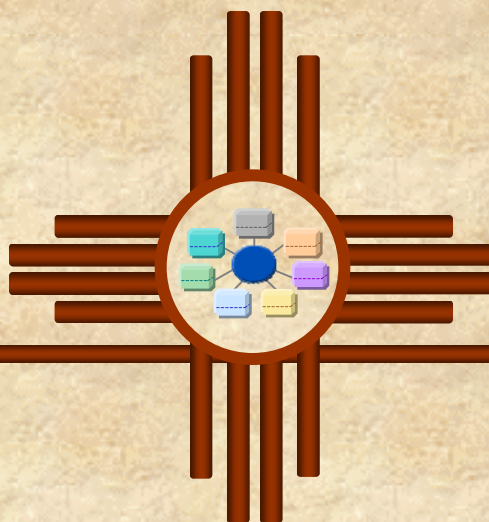
Contact *Mike Wheaton*

Sun Microsystems

michael.wheaton@sun.com

Thanks to General Motors, AIAG, Sybase and others for their contributions.

DISA Registry Initiative (DRIVE)



Open Forum 2003 on Metadata Registries

Alan Kotok
Data Interchange Standards Association

21 January 2003





DISA Registry Initiative (DRive)


- ebXML-compliant (v 2.0) registry of DISA standards objects
- Allow for interconnections with other registries and services.
- Beginning with vertical industry affiliates
- Registry only, NOT a repository
- Software donated by XML Global.

<http://www.disa.org/drive/>





DISA Registry Initiative (DRive)



DISA Registry Initiative


You are a **guest** and have not signed in.
Username: Password:

Administration | Browse/Lookup | Content | Infrastructure

Administration
Register New User
Register New Organization

Browse/Lookup
Browse and Drill Down Read Only
Browse and Drill Down History
Association View
Search the Registry

Documentation
User Guide (HTML)
User Guide (PDF)




Welcome to DRive: the DISA Registry Initiative

- A registry of standards and specifications of DISA affiliates
- Compliant with ebXML registry specifications
- PLEASE NOTE: All entries shown are for test and demonstration purposes only
- Feel free to browse; registration NOT needed for guest privileges.
- We thank XML Global Technologies for its generous donation of the software.



Top-Level View of DRIVE



DISA Registry Initiative

You are a **guest** and have not sign

Username: Password:

Administration Browse/Lookup Content Infrastruct

Browse/Lookup

[Browse and Drill Down Read Only](#)

[Browse and Drill Down History](#)

[Association View](#)

[Search the Registry](#)

Documentation


[User Guide \(HTML\)](#)

[User Guide \(PDF\)](#)

Name	Description
<input checked="" type="checkbox"/> Administration	
<input type="checkbox"/> External registries	Cross references to other stan...
<input checked="" type="checkbox"/> XML.org	XML.Org registry operated by O...
<input type="checkbox"/> DISA affiliate standards	Data Interchange Standards
<input type="checkbox"/> Cross-Industry	Cross-industry standards
<input checked="" type="checkbox"/> ASC X12	Accredited Standards Committee...
<input type="checkbox"/> Vertical	Vertical industry standards
<input checked="" type="checkbox"/> Finance	Financial services industry
<input checked="" type="checkbox"/> Food/Grocery	Food and grocery industries
<input checked="" type="checkbox"/> Manufacturing	Manufacturing industries
<input checked="" type="checkbox"/> Travel	Travel industry
<input checked="" type="checkbox"/> Organizations	Organizations registered with ...
<input checked="" type="checkbox"/> Content classifications	Taxonomies for classifying reg...
<input checked="" type="checkbox"/> NAICS	North American Industry Classi...
<input checked="" type="checkbox"/> UNSPSC	UN Standard Products and Servi...



Example: MISMO v.2.1



You are a **guest** and have not signed in.

Username: Password:

Administration Browse/Lookup Content Infrastructure

Browse/Lookup

[Browse and Drill Down Read Only](#)

[Browse and Drill Down History](#)

[Association View](#)

[Search the Registry](#)

Documentation

[User Guide \(HTML\)](#)

[User Guide \(PDF\)](#)

ASC X12

Vertical

Finance

IFX Forum

Mortgage Industry

Version 2.1

MISMO 2.1, Auto Underwriting

MISMO 2.1, Credit Rqst/Resp

MISMO 2.1, Enveloping Rqst/Resp

MISMO 2.1, Insurance Rqst/Resp

MISMO 2.1, Servicing Transfer

MISMO 2.1, Title Rqst/Resp

Food/Grocery

Manufacturing

Travel

Organizations

Accredited Standards Committee...

Vertical industry standards

Financial services industry

Interactive Financial Exchange...

Mortgage Industry Standards Ma...

MISMO version 2.1 data sets ap...

Automated Underwriting Specifi...

Credit Request and Response, i...

Enveloping Request and Respons...

Mortgage Insurance Request and...

Servicing Transfer, includes D...

Title Request and Response, in...

Food and grocery industries

Manufacturing industries

Travel industry

Organizations registered with ...



Title Req/Rep Metadata (1)

ExtrinsicObject Properties

Attributes

Key	Value
Id	urn:uuid:561b2601-0836-6004-185a-1b356f757c23
Name	MISMO 2.1, Title Rqst/Resp
Major Version	1
Minor Version	1
User Version	
Object Type	XMLSchema
Status	Approved
Description	Title Request and Response, includes DTDs, examples, and data dictionary. For demonstration only.
Remote Content	true
Content url	http://www.mismo.org/mismo/docs/draftspc/Title_v_2_1.zip



Title Req/Rep Metadata (2)

Classifications

Name

Description

NAICS, 522292

Real Estate Credit

UNSPSC, 80131700

Escrow and title services

Version 2.1

MISMO version 2.1 data sets approved for final release on 8 March 2002

NAICS, 541191

Title Abstract and Settlement Offices

UNSPSC, 84121900

Mortgage banking


XML.Org, MISMO entry

NAICS, 52231

Mortgage and Nonmortgage Loan Brokers



Associations: IFX Forum 1.3 Schema




Username
Adminis


Browse/Lookup
Browse and Drill Down Read Only
Browse and Drill Down History
Association View
Search the Registry




Documentation
User Guide (HTML)
User Guide (PDF)













Home >> Browse/Lookup >> Select Source >> Association View

Association View

Crosswalk:  IFX Forum, v 1.3, XML Schema

 IFX Forum, v 1.3, XML Schema

- Extends  IFX Forum v 1.2, XML Schema
- RelatedTo  IFX Forum, v 1.3, Documentation
- EquivalentTo  IFX Forum, v 1.3, XML DTD



Administration | Browse/Lookup



Business Process/CPP Testing



Administration

Browse/Lookup

Browse and Drill Down Read Only
Browse and Drill Down Read Write
Browse and Drill Down History
Browse and Drill Down Remove
Association View
Search the Registry

Documentation

User Guide (HTML)
User Guide (PDF)

Attributes

Key	Value
Id:	urn:uuid:6a565b03-3031-4643-4544-244f7c3e5c5b
Name:	Business process for CPPs
Major Version:	1
Minor Version:	1
Object Type:	Process
Status:	Approved
Description:	Simple BP definition for CPP generation
Remote Content:	false

Outgoing Associations

Name	Type	Participant
No associations found.		



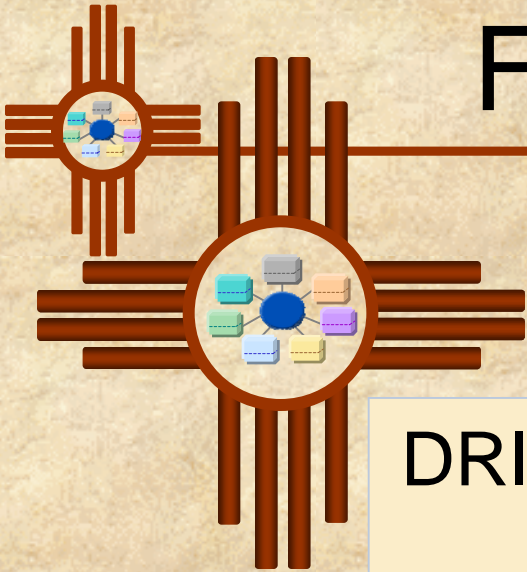
Test Collaboration Protocol Profile

ExtrinsicObject Properties

Attributes

Key	Value
Id	urn:uuid:03204e09-1c03-6064-7e3d-21133f20257e
Name	XML Global ebXML testing
Major Version	1
Minor Version	0
User Version	
Object Type	CPP
Status	Approved
Description	Test point for ebMS interfacing. Can be used to test ebXML interoperability.
Remote Content	false

For More Information ...



DRIVE site: <http://www.disa.org/drive/>

or contact *Alan Kotok*

Data Interchange Standards Association

akotok@disa.org, +1 703-518-4174

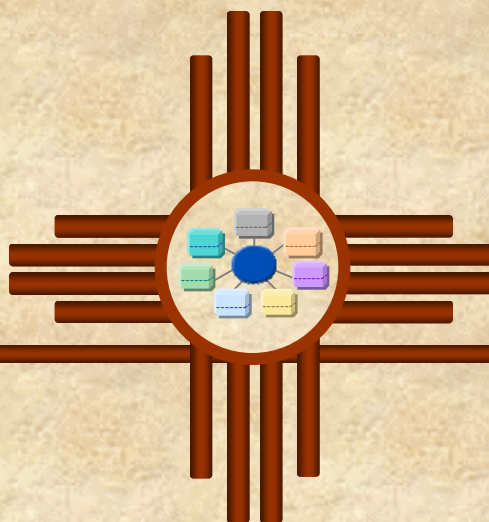
<http://www.disa.org>

<E-Business*Standards*Today/>

Daily news wire: <http://www.disa.org/dailywire/>



SAGE Clinical Guideline Registry

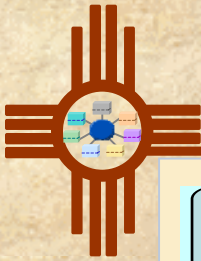


Open Forum 2003 on Metadata Registries

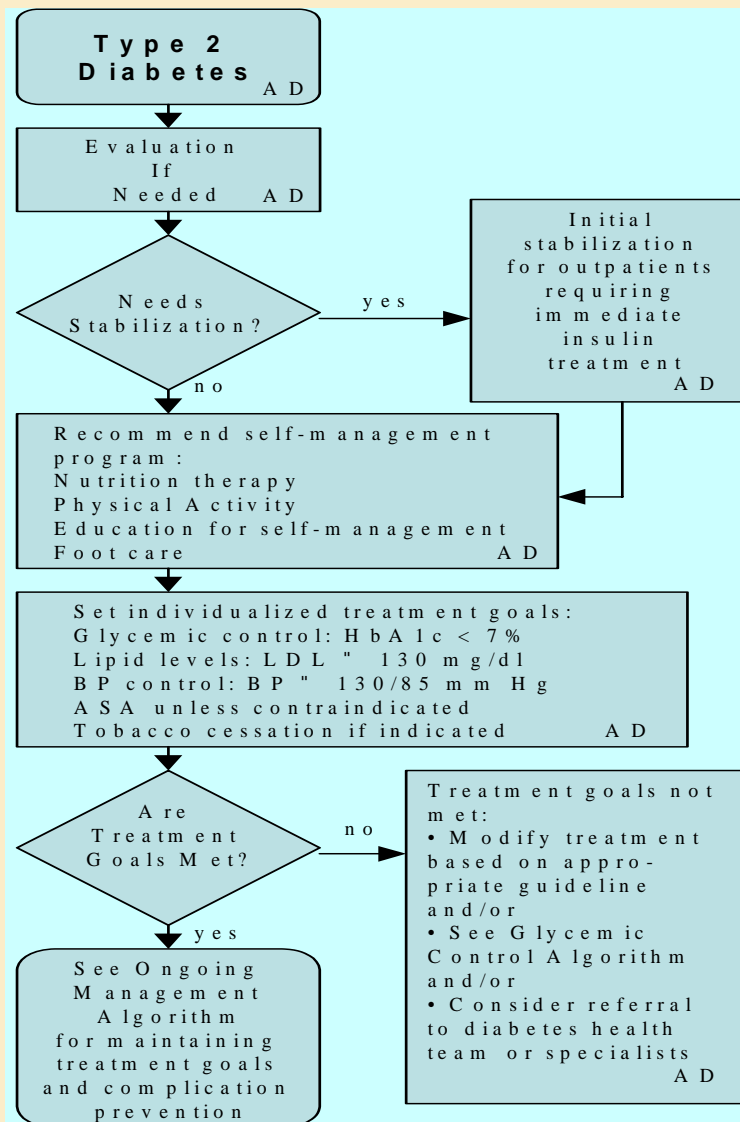
*Tony Weida
Apelon*

21 January 2003





Clinical Guidelines



- Capture best practices for providing medical care.

Type 2 Diabetes Guideline Flow Diagram, courtesy of Institute for Clinical Systems Improvement (ICSI)



Organization

- NIST Advanced Technology Program
- Three year grant, \$18 million
- Collaboration
 - ◆ Apelon
 - ◆ IDX (lead)
 - ◆ Intermountain Healthcare
 - ◆ Mayo Clinic
 - ◆ Stanford Medical Informatics
 - ◆ University of Nebraska Medical Center



Description

● Mission


- ◆ Develop the technology infrastructure to enable *computable* clinical guidelines, that will be shareable and interoperable across multiple clinical information system platforms.

● Goals

- ◆ Author and encode clinical practice guidelines in a standard computable format.
- ◆ Deploy those guidelines easily within any standards-conforming clinical information system.



Artifacts

- **Shareable Active Guideline Environment (SAGE)**
 - ◆ Interoperable guideline model
 - ◆ Interoperable guideline workbench (Protégé)
 - ◆ Guideline deployment system 
 - ◆ Web-based guideline registry



Registry Implementation

- Early prototype
- Developed at Apelon by Derrick Butler.
- Based on ebXML Registry 2.1 specifications
- Using ebxmlrr software from SourceForge
- Integrates Apelon's Distributed Terminology Server (DTS).
- Now supports submission, basic indexing, and retrieval of guideline packages.
- Aims at robust collaboration and publishing.

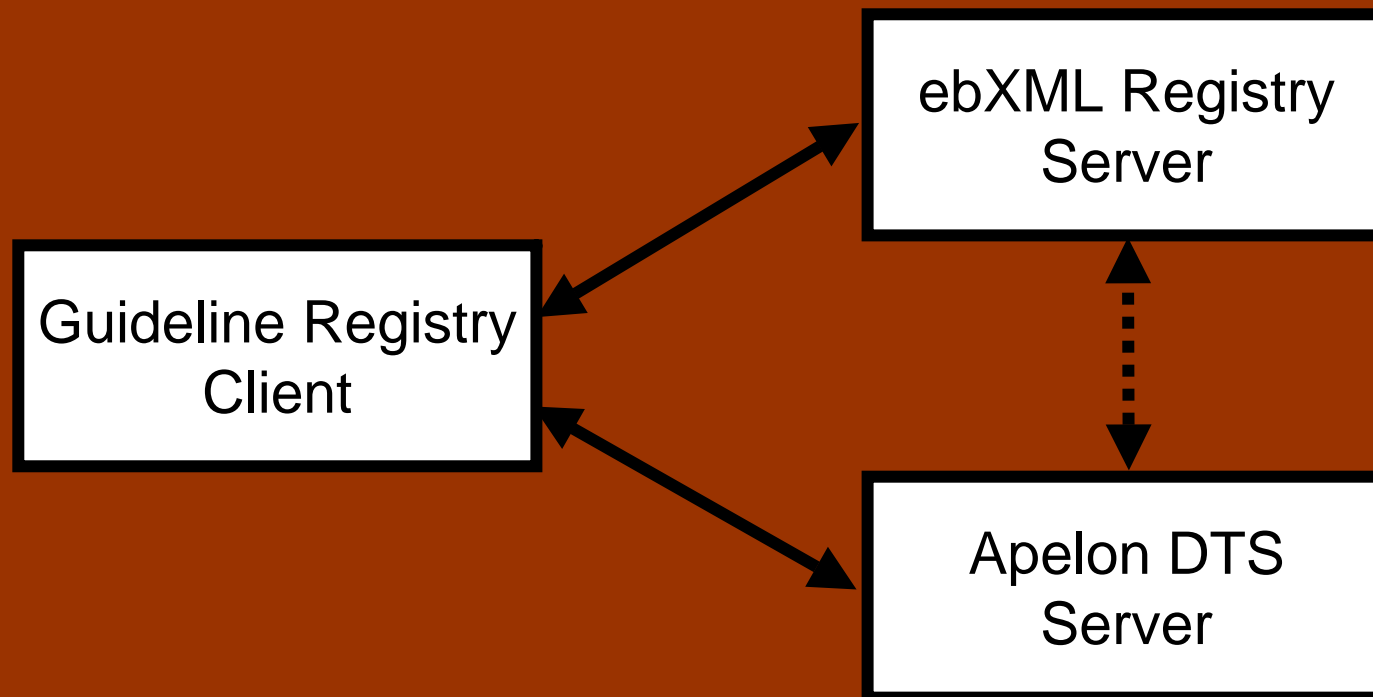


Terminology-Powered Registry

- Standard terminology makes guidelines easier to:
 - ◆ Author
 - ◆ Explain and understand
 - ◆ Share
 - ◆ Localize
 - ◆ Execute
- Similarly for registered guideline metadata
- Generally for other types of registry content

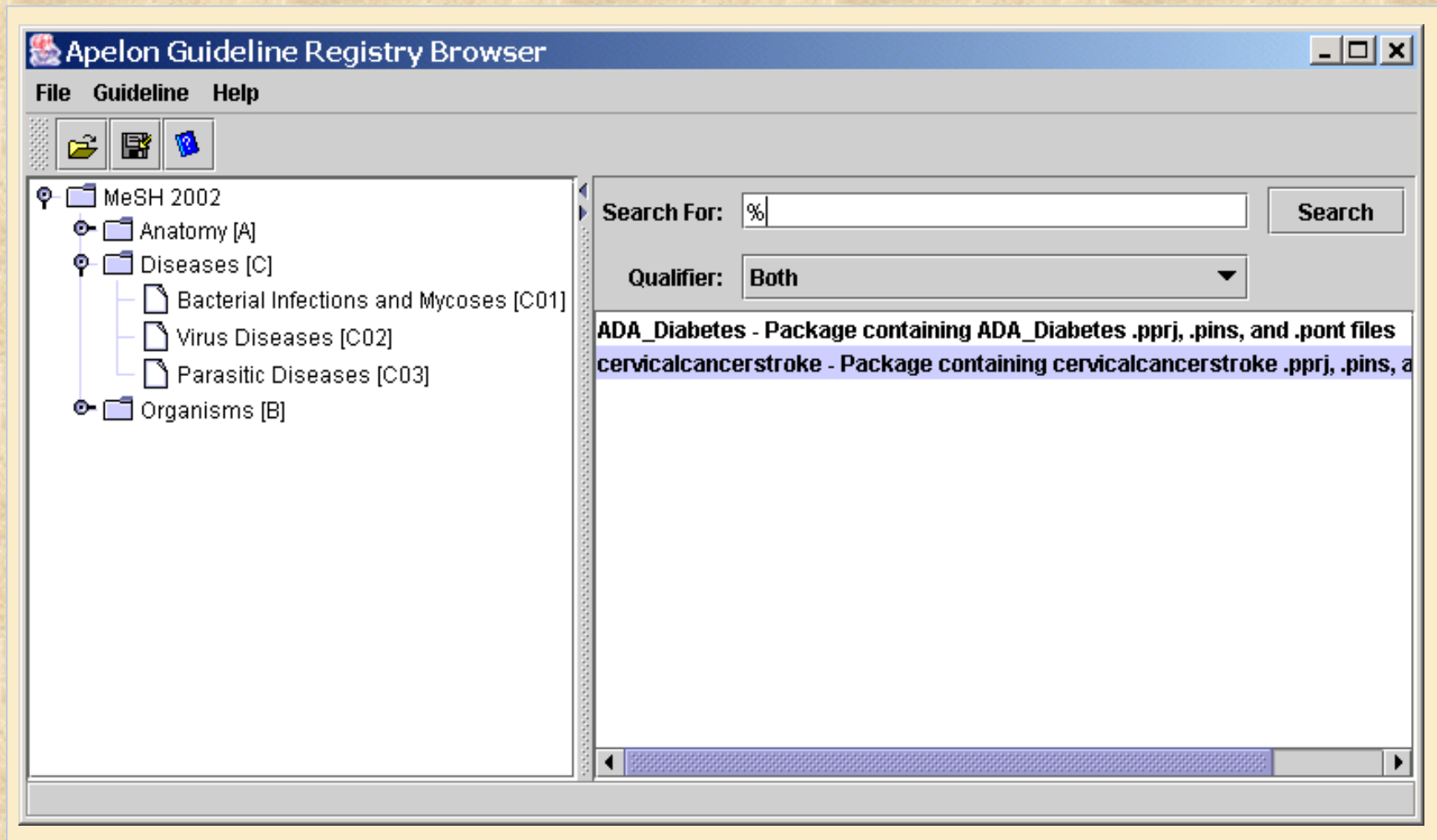


Registration Architecture





Guideline Registry Client





Guideline Package

Guideline Editor [-] [□] [X]

Guideline Files | **Guideline Metadata**

Protege Project Files: Update...

File	Last Update By	Last Update On
cervicalcancerstroke.pont	tony weida	2003-01-07 16:27:13.0
cervicalcancerstroke.pprj	tony weida	2003-01-07 16:27:08.0
cervicalcancerstroke.pins	tony weida	2003-01-07 16:27:17.0

Other Files: Add... Remove

File	Last Update By	Last Update On
cervicalcancerstroke.doc	tony weida	2003-01-17 14:08:41.0

External Links: Add... Remove

Download All Package Files...



Guideline Metadata (sample)

Guideline Editor

Guideline Files **Guideline Metadata**

Title: cervicalcancerstroke

Description:

Rights:

Creator: tony weida

Submitter: tony weida

Date Available: 2003-01-17 14:06:54.0

Date Modified: 2003-01-17 14:06:57.0

MeSH Subject: ...

Disease/Condition: ...

Qualifier: ...

Update Metadata



Metadata Selection via DTS

Select DTS Concept

☒ SNOMED CT Concept (SNOMED RT+CTV3)

- ☒ Attribute (attribute)
- ☒ Body structure (body structure)
- ☒ Context-dependent categories (context-dependent categories)
- ☒ Disease (disorder)
- ☒ Environments and geographical locations
- ☒ Events (event)
- ☒ Finding (finding)

Maximum Results : 250 Search

Search For : *cervi* Search By : Name

Search Results : Matches Found : 250

- Carcinoma in situ of cervix uteri [233.1] (ICD)
- Carcinoma in situ of endocervix (disorder)
- Carcinoma in situ of exocervix (disorder)
- Carcinoma in situ of uterine cervix (disorder)
- Carcinoma of cervical part of esophagus (disorder)
- Carcinoma of cervix (disorder)**
- Carcinoma of cervix stage 0 (disorder)
- Care of cervical cap (procedure)
- Cauterization of cervix by laser surgery (procedure)
- Cauterization of lesion of cervix (procedure)
- Cautery of cervix; cryocautery, initial or repeat [57511] (CPT)
- Cautery of cervix; electro or thermal [57510] (CPT)
- Cautery of cervix; laser ablation [57513] (CPT)
- Central cervical cord injury, without bony injury, C1-4 (disorder)
- Central cervical cord injury, without bony injury, C5-7 (disorder)

Concept Name
Carcinoma of cervix (disorder)

Concept Code
D7-F056D

Concept ID
285432005

Concept Roles

Name	Value
Associated morphology (attribute)	Malignant neoplasm of primary, secondary, or uncertain origin (morphologic abnormality)
Associated morphology (attribute)	Malignant neoplasm, primary (morphologic abnormality)
Finding site (attribute)	Cervix uteri structure (body structure)
Pathological process (qualifier value)	Malignant neoplastic process (qualifier value)
Pathological process (qualifier value)	Neoplastic process (qualifier value)

Concept Properties

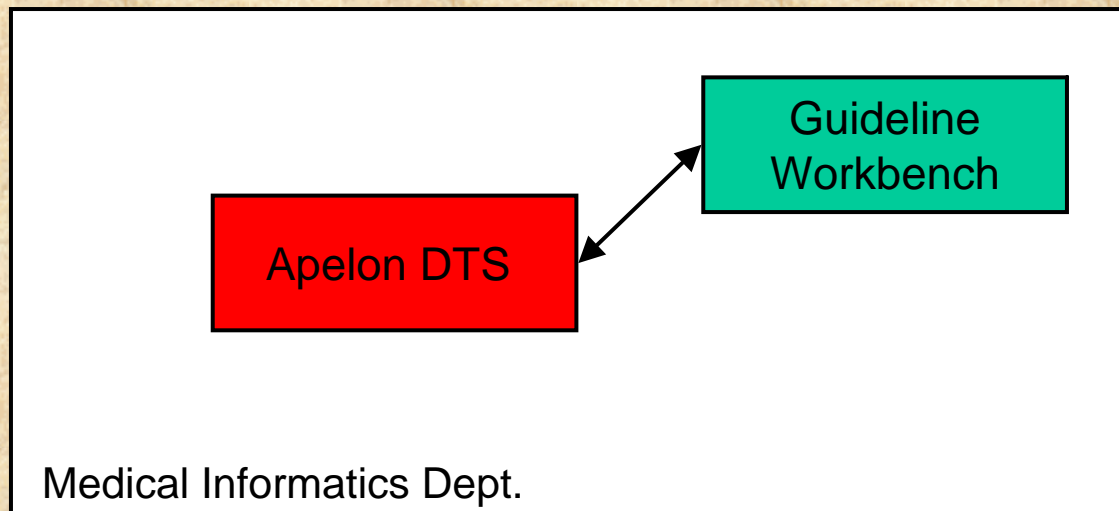
Name	Value
SNOMED_CODE	D7-F056D
SNOMED_DESCRIPTION_ID	424428017
SNOMED_DESCRIPTION_ID	679434016
SNOMED_ID	285432005
SNOMED_PREFERRED_TERM	Carcinoma of cervix
SNOMED_TERM	Carcinoma of cervix
SNOMED_TERM	Carcinoma of cervix (disorder)
SNOMED_DESCRIPTION	424428017 Carcinoma of cervix 1 0
SNOMED_DESCRIPTION	679434016 Carcinoma of cervix (disorder) 3 0

Select



Workflow Vision - Phase I

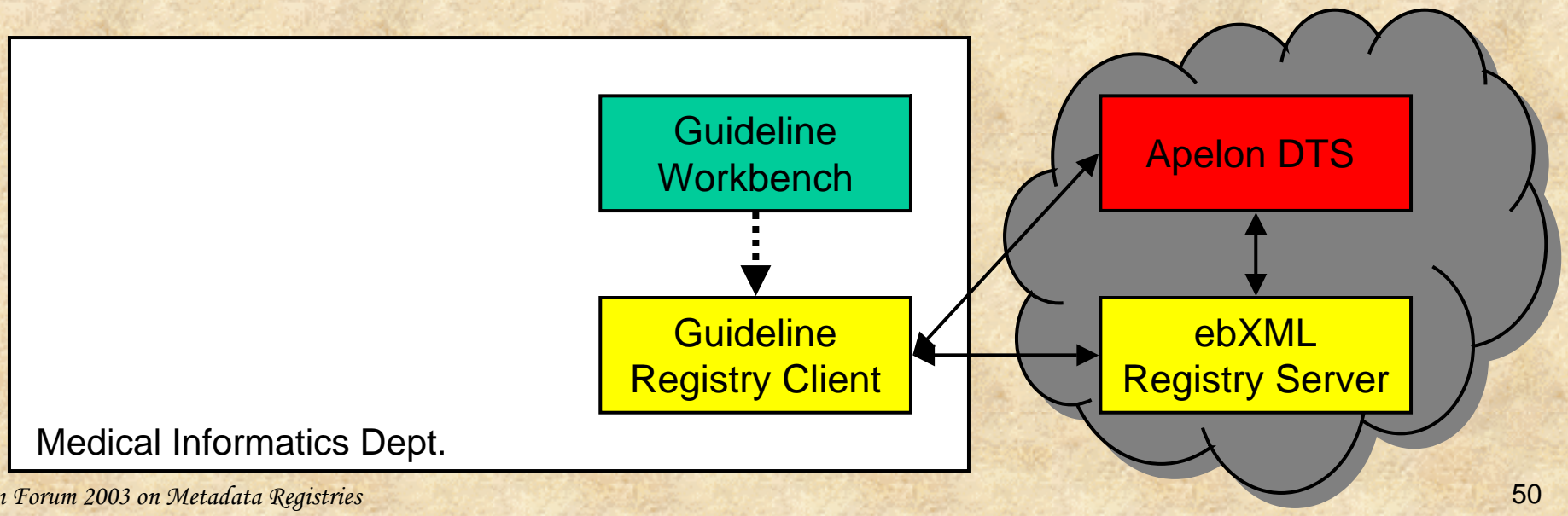
- Authoring and publishing
 1. Create guideline with standard terminology.





Workflow Vision - Phase I

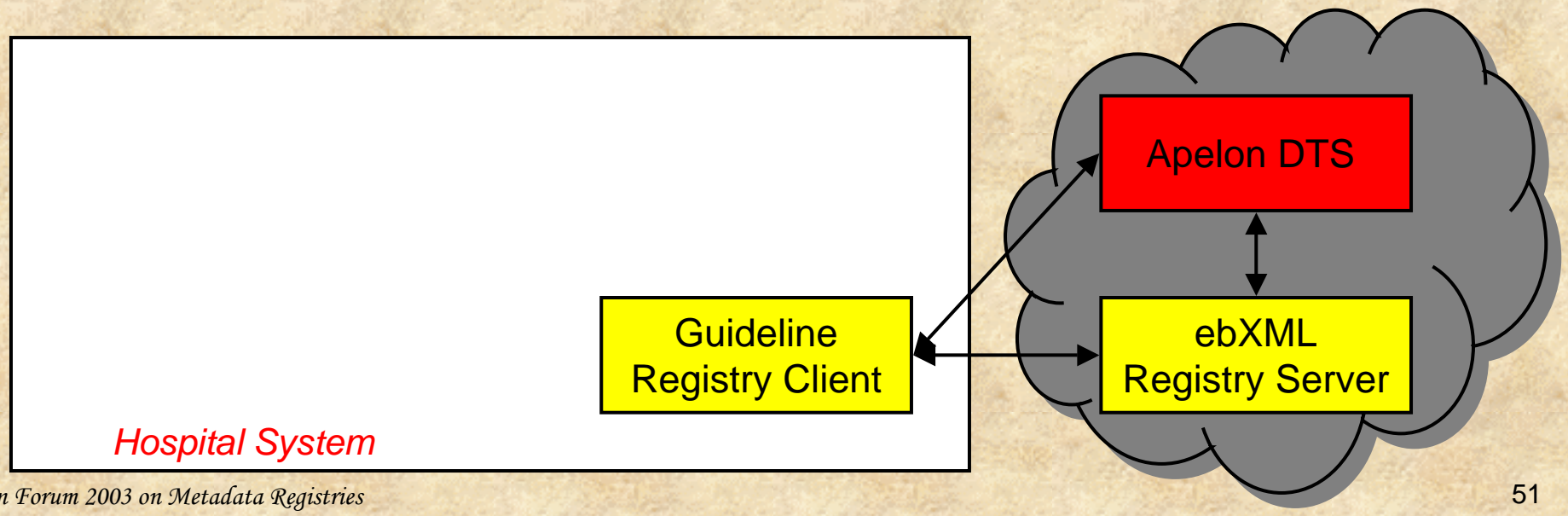
- Authoring and publishing
 1. Create guideline with standard terminology
 2. Shareable guideline submitted to registry with metadata chosen from standard terminologies.





Workflow Vision - Phase II

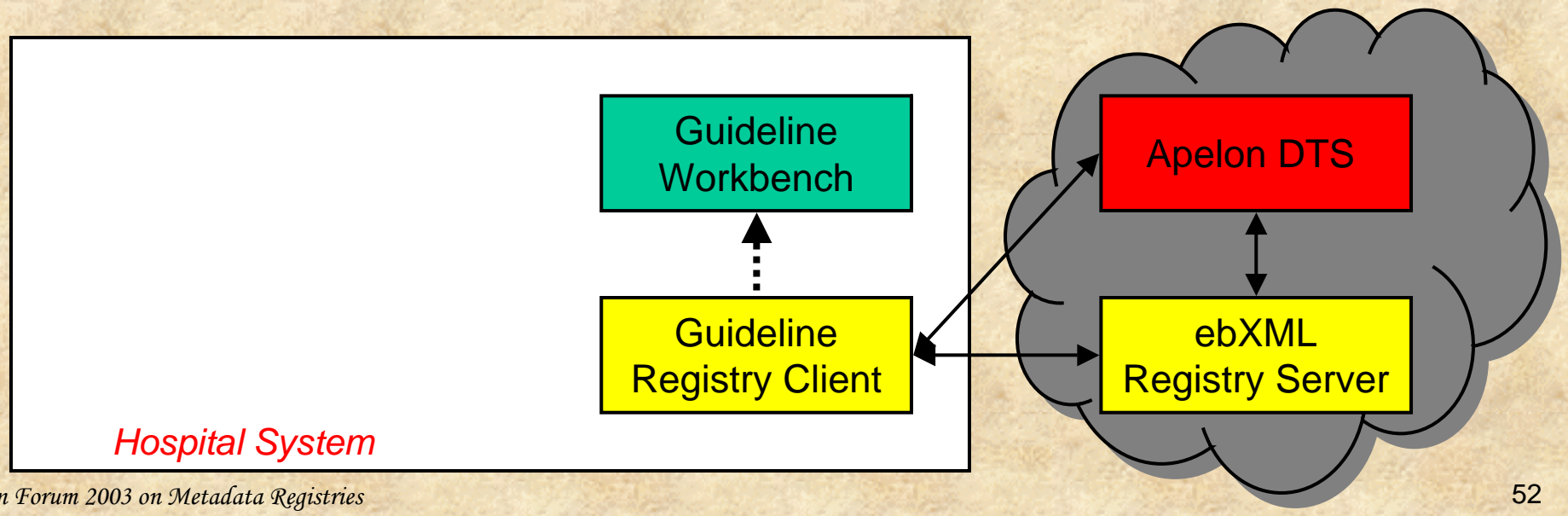
- Search and retrieval
 1. Browse or query registry for guideline of interest.





Workflow Vision - Phase II

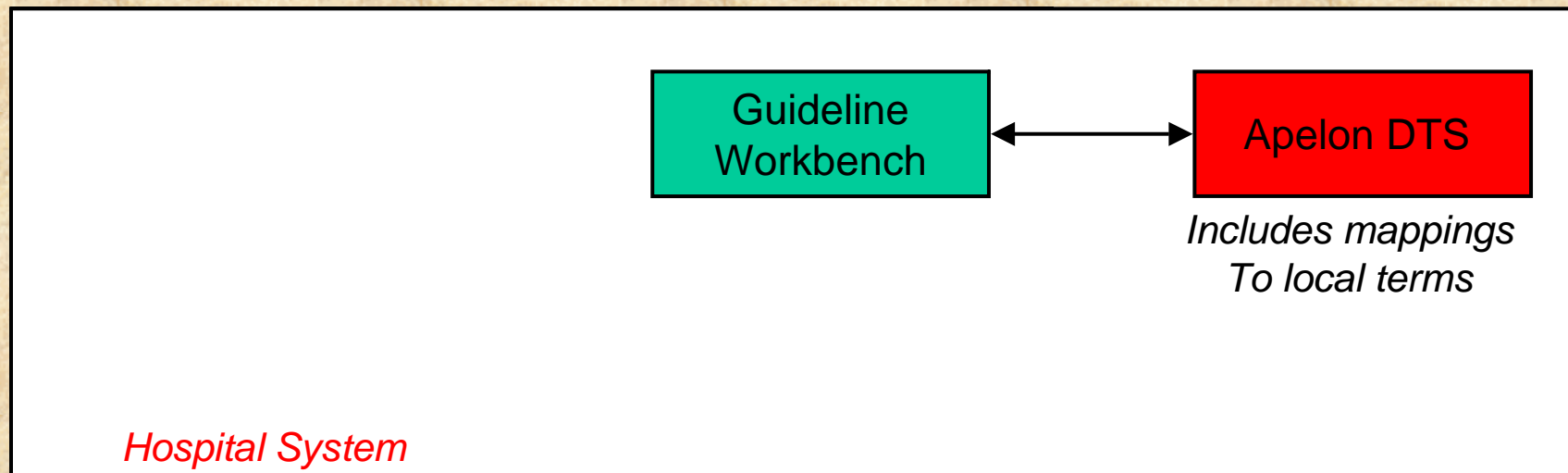
- Search and retrieval
 1. Browse or query registry for guideline of interest.
 2. Select and retrieve guideline.





Workflow Vision- Phase III

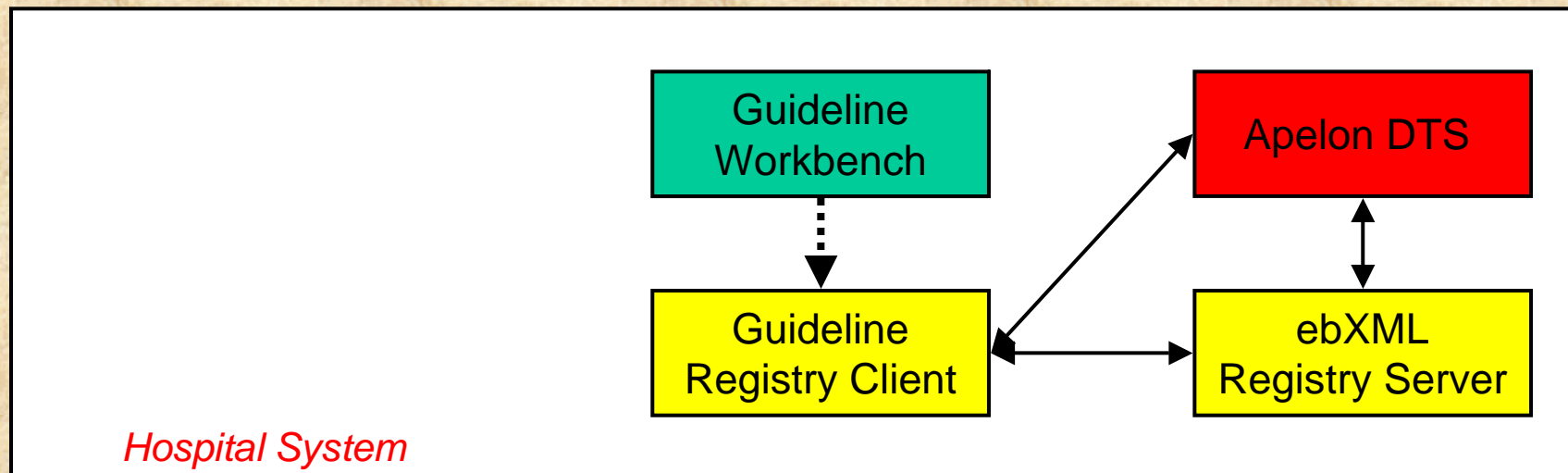
- Localization and deployment
 1. Tailor guideline to local needs and resources.





Workflow Vision- Phase III

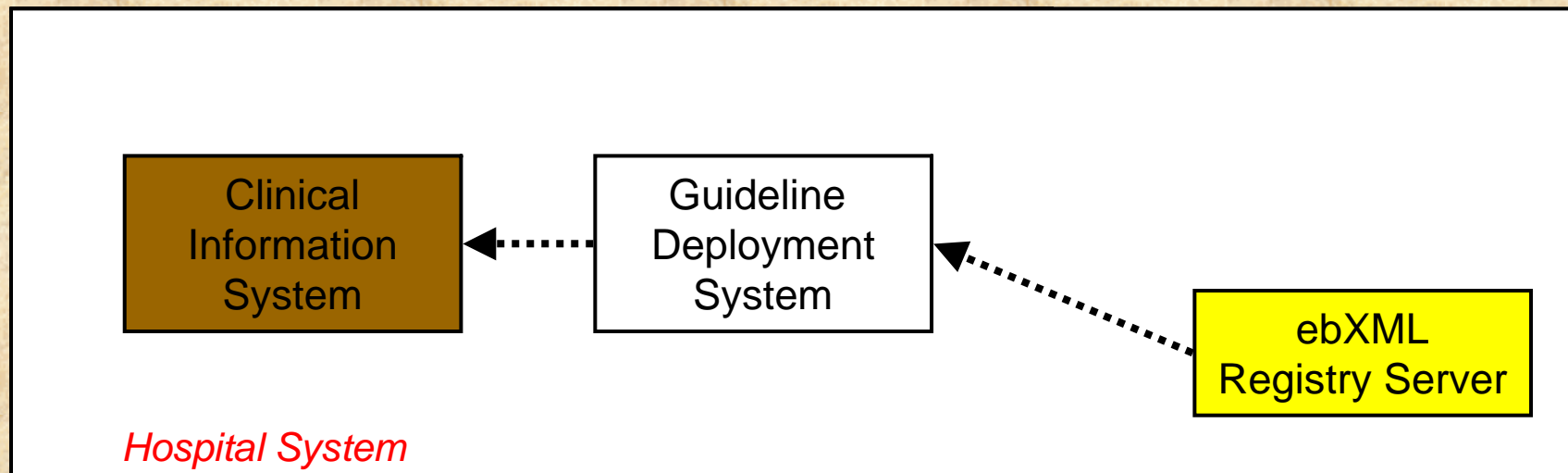
- Localization and deployment
 1. Tailor guideline to local needs and resources
 2. Register localized guideline in *local* registry.





Workflow Vision - Phase III

- Localization and deployment
 1. Tailor guideline to local needs and resources.
 2. Register localized guideline in local registry.
 3. Deploy localized guideline in Clinical Information System.





Status and Plans

- Early prototype
- Next steps
 - ◆ More elaborate metadata
 - ◆ Package dependencies with versioning
 - ◆ Terminology service plug-in for registry server
- Long-term goals
 - ◆ Validation within SAGE
 - ◆ Wider deployment



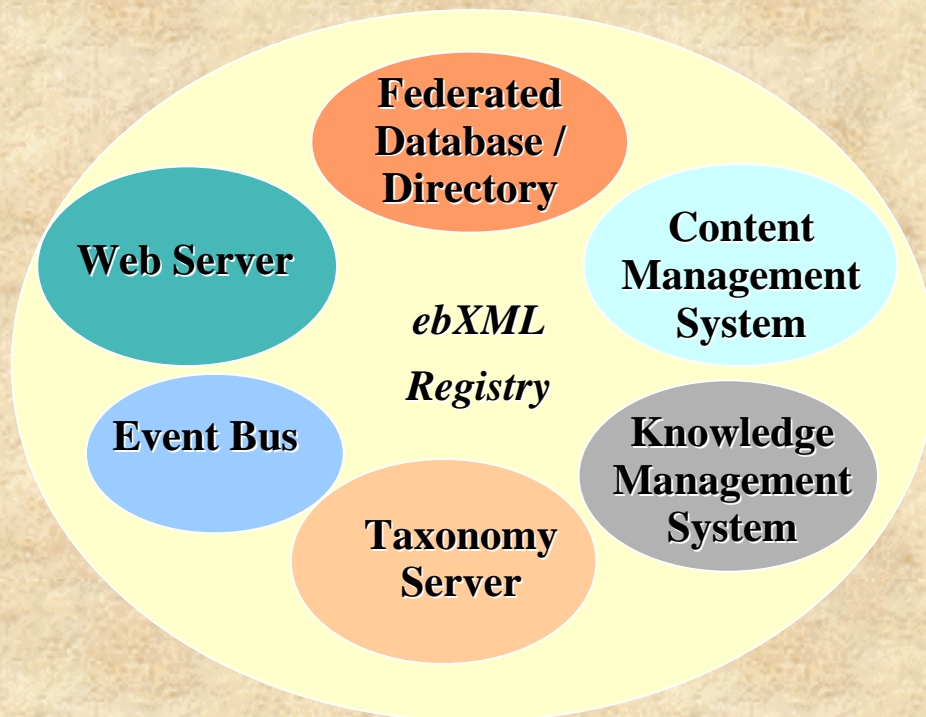
Guideline Registry Contact

- Tony Weida
 - ◆ weida@apelon.com
 - ◆ 917-992-9728
- Apelon
 - ◆ www.apelon.com





Summary and Questions

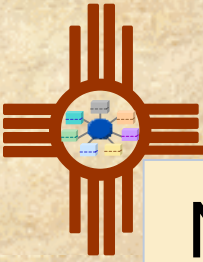


- ebXML Registry/Repository is multi-faceted and answers many diverse business needs – process, technical and functional.
- Challenges lie in defining and implementing processes that Reg/Rep supports.
- Record of and plans for adoption and deployment support its utility in the marketplace. Reg/Rep v3.0 functionality makes it even more pervasive.



Panel Discussion

- Kathryn Breininger, The Boeing Company
- Alan Kotok, DISA
- Tony Weida, Apelon
- Facilitator-Monica J. Martin, Drake Certivo



For More Information...

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EDAT: David Webber,
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GM: Mike Wheaton, Michael.Wheaton@sun.com

HL7: John Silva, john.silva@philips.com

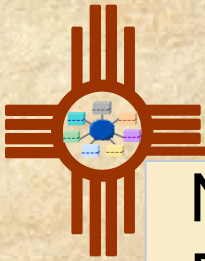
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SAGE: Tony Weida, tweida@apelon.com

XiO: Zheng Liang, aheng.liang@mbs.gov.on.ca

General: Monica J. Martin, mmartin@certivo.net



For More Information...

NOIE: <http://www.noie.gov.au/>

DISA: <http://www.disa.org/drive/>

EDAT: http://www.xmlglobal.com/cst/customer_cdngovt.jsp

GM: Contact participants.

HL7:

<http://groups.yahoo.com/group/HL7-Conformance/files/>

KIEC (REMKO): <http://www.kiec.or.kr/english/index.html>

KTNET: Chaemee Kim,

<http://www.ktnet.co.kr/enghome/index.html>

SAGE: Contact Weida.

XiO: Contact Liang.

General: Monica J. Martin – Look for updates on www.ebxml.org.