Concept Proposal

A standards based SOA Framework for Interoperable Enterprise Content Management

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What is it? IECM Framework

Vision:

- A SOA standards based framework to enable interoperable content / document processes
- The framework is registry / repository centric enabling design, development, publishing, discovery and interoperation of document centric work processes
- IECM will be developed as an open standard in conjunction with customers, ISV & SI partners and standards organizations

Objective:

- Lower the life cycle costs of content intensive business process
- Provide a common layer of interoperable services / infrastructure that enable content and content management systems to interoperate with core enterprise applications and work processes.

What do Users get from IECM?

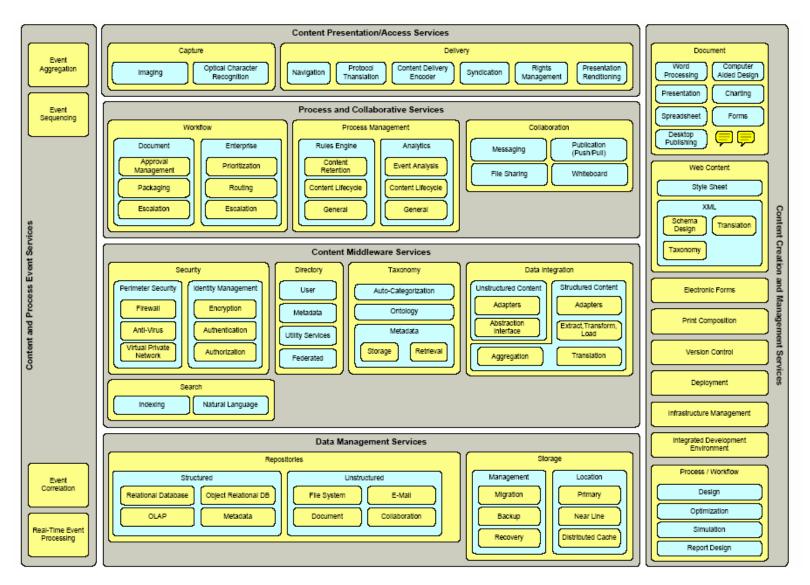
"Information - when, where & how it is needed

- IECM solves the problem of creating interoperable document / content centric process flows
- IECM will connect customers documents, content and related process to their enterprise's services delivery and back end systems
- IECM binds unstructured & semi structured content to emerging SOA, EDA and POA
- Key Benefits
 - Accelerate and reduce the cost of delivery of transformed services in which content is bound to process
 - Improved Business Effectiveness Information Sharing / Collaboration
 - Just in Time, Just Right, My Way Information
 - Highly adaptive and configurable environment easily changed to meet new business requirements
 - Ability to multi purpose / re use existing ECM components

What is ECM?

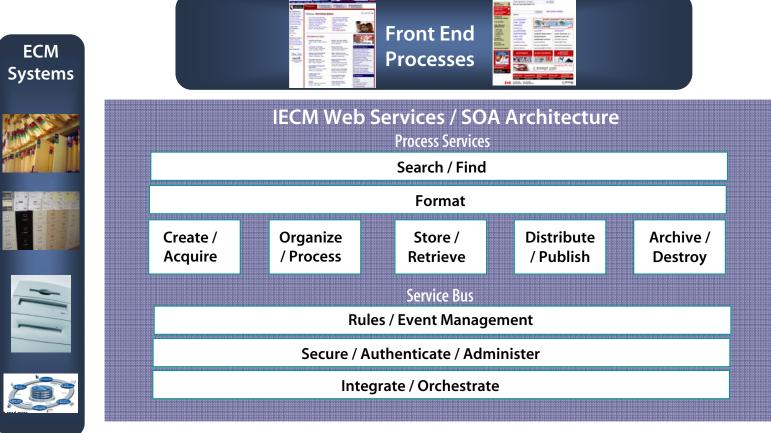


Doculab's ECM Architecture



What is the Deliverable?

The IECM Architecture



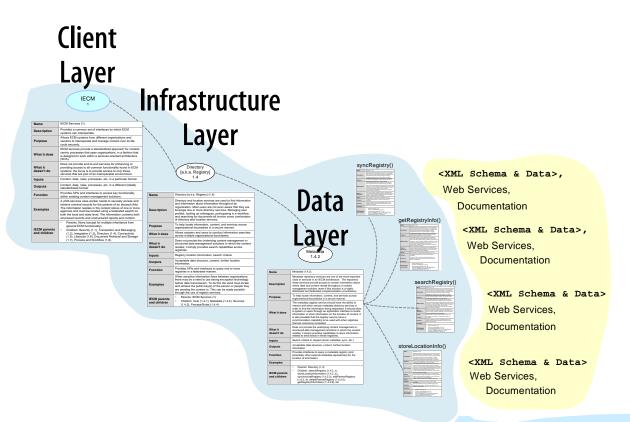
External Processes

Form





Deliverables Web Service Descriptions / Requirements / Schema



Document Layer



Meta data & presentation & services

IECM Service Definition - Example

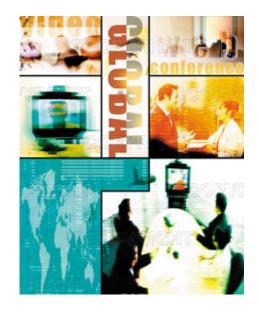
Name	IECM Services (1).			
Description	Provides a common set of interfaces by which ECM systems can interoperate.			
Purpose	Allows ECM systems from different organizations and vendors to interoperate and manage content over its life cycle securely.			
What it does	IECM services provide a standardized approach for content-centric processes that span organizations, in a fashion that is designed to work within a services-oriented architecture (SOA).			
What it doesn't do	Does not provide end-to-end services for enhancing or providing access to all common functionality found in ECM systems; the focus is to provide access to only those services that are part of an interoperable environment.			
Inputs	Content, data, rules, processes, etc. in a particular format.			
Outputs	Content, data, rules, processes, etc. in a different (ideally standardized) format.			
Function	Provides APIs and interfaces to access key functionality within existing content management solutions.			
Examples	A child services case worker needs to securely access and retrieve criminal records for the parents of an abused child. The information resides in the content stores of one or more agencies and must be located using a federated search on both the local and state level. The information contains both structured records and unstructured reports and content.			
IECM parents and children	 Parents: None (except for multiple inheritance from general ECM functionality). Children: Security (1.1), Transaction and Messaging (1.2), Integration (1.3), Directory (1.4), Connectivity (1.5), Lifecycle (1.6), Document Retrieval and Storage (1.7), Process and Workflow (1.8). 			
Process fit	 <<explain a="" and="" as="" call="" it="" might="" of="" part="" process="" process,="" service="" services="" this="" types="" typically="" what="" within="">></explain> <add templates="" the="" this="" to=""></add> <mike additional="" input="" model="" on="" provide="" this="" to=""></mike> 			

Participation Benefits

Interaction with a World Wide IECM Community of Practice

Relationships

- Government
- Industry
- ISV's
- Sl's
- StandardsGroups
- Working Groups
- Major Project and Program Managers



Market Alignment

- Whitepapers
- Forums
- Conferences
- Standards

Insight

- Real World Requirements
- Thought Leaders
- Real Projects
- Interoperability Testing
- Best Practice Development

What Do Vendors get?

- Projects Opens doors to major enterprise and cross enterprise projects
- Partnering Opens doors to powerful partnering relationships
- Enterprise Scale Deployment Provides basis for truly enterprise level development, management and deployment of document services
- Interoperable Next Generation Architecture Provides a cross product line interoperability platform
- Leadership Creates a leadership seat at the design table for next generation enterprise environment - SOA, EDA & POA
- Next generation products —Can productize and enhance IECM as well as the requirements that emerge from the IECM community

Current Status

- AIIM Standards Group
 - Formal process to recommend / establish IECM standards working group
 - Immediate extension to financial, manufacturing, and pharmaceutical industries
 - Will propose as an ISO standard potential OASIS partnership
 - Endorsement from chair & senior members of document & content management interoperability standard working group.
- Federal CIO Council
 - Support / Endorsement from chairs of emerging components groups
 - They have agreed to host and promote IECM group on web site
 - To help contribute to creation of the IECM standard
 - Help develop business case for IECM as top level component in Fed Architecture and to integrate and align with other working groups
 - Engagement with registry / repository working group

DOT

 Seeking support to create an IECM center of excellence lab – will be extending invitation to help fund / staff to other government organizations and vendors as well as other working groups

IECM Development Methodology

- Establish IECM Standards Working Group
 - Organizations with active IECM type projects
 - Develop and publish work plan and methodology
- Review and refine Adobe provided IECM Draft 1 architecture
 - Review / refine against current real world requirements from working group
 - Publish V2 for review by market and analysts
- Fund, Build & Staff IECM Center of Excellence (US & Europe)
 - Bring major architectural components together in an interoperability lab
 - Gather world wide requirements across industries
 - Gather world wide SOA / Web services components that align with IECM architecture
 - Begin test and integration of components in lab based on real world requirements
 - Refine and publish results and services back out for real world test and review
- Publish community guidance, services and best practices back out to the world
 - Establish collaborative community (IBM AlphaWorks)
- Publish & release standards in phases
 - Use a maturity model to evolve the standard
 - "The first thing we want to is be able to get the phone to ring, we will address electronic switching, failover, call forwarding in later phases."

IECM 2005 Implementation Plan

		Q1	Q 2	Q3	Q4
preliminary architecture wo Form	rds	Whitepaper on IECM Architecture & Effort	Guidance & 1st Level components description	2nd Level components description	Formal Standards Guidance for Review
F	ry work	Web site & Lab up & running Poach to vendors	Publish results Hold conference in DC		Hold conference in Europe
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	Ongo	ing –meetings with us	ers, working groups, st	tandards bodies & vend	lors