SYSCOM, Inc.
Content Services

Partner Solution

- *Cross Industry*

- *Products Supported*
  > IBM Content Manager v8.x+
  > IBM FileNet Content Manager v5.0+ (technology preview)

- *Platforms Supported*
  any

Why Content Services?

Do you need consistent access to your enterprise content management (ECM) repository? Does it take too long to develop the next integration to your ECM repository? With SYSCOM Content Services your organization can quickly, consistently, and securely access your ECM system.

Overview

SYSCOM Content Services provides a Services Oriented Architecture (SOA) approach to control and manage access to your enterprise IBM CM or IBM FileNet repository.

Administrators can quickly create and deploy new services through configuration alone.

Content repository Consumers can use RESTful service calls to query, update, view, or retrieve content from the repository without having to code to the content repository API's.

Several optional modules provide specific Complex composite functions like the ability to open the CM Viewer from an independent web application or to cause a document to reindex.

Benefits

SYSCOM Content Services provides organizations with the following benefits:

- Helps meet compliancy regulations such as Sarbanes-Oxley by providing consistent processes

- Improves project development timelines with easily configurable services

- Provides a core set of common content features that are extensible thereby saving time if new features are necessary.

- Insulates Line of Business applications from updates to Content Systems.

Features

Features of SYSCOM Content Services include:

- A configuration language allows administrators to define consumable 'content functions' to make new services available quickly. An example would be 'find all documents in the claims item type using any of these 6 attributes'

- A Common set of Core Functions provides all the necessary basic ECM functions – like Save A Document or Folder A Document.

- An integration layer allows you to build new composite functions if needed.

- All built as a JEE application allowing you the scalability of your existing Java application server environment.

Technical Overview

SYSCOM Content Services is built as a highly configurable JEE application. The following provide some technical details about Content Services.

- All the Common Core Functions
  - SaveDocument
  - FolderDocument
  - FindDocument
  - (full list attached below)
- Integration Layer allows extensibility
  - Make your own composite function
- Optional Component Modules provide specific composite functions including:
  - ViewALL - allows for automatic viewing of images that match provided search criteria; can search across itemtypes.
  - ReIndex - allows for changing a folder or document from one DocType to another; configurable for specific attribute validation rules.
  - DocumentModify - allows manipulation of pages in a TIFF or MO:DCA image or the creation of a new image from an existing image.
  - ExCallIf - Interface to CICS – the called program can be a legacy or custom program, DB2 SP, ImagePlus, etc…

Prerequisites

SYSCOM Content Services is a JEE Web application with these requirements:

- A 32 or 64 bit web application server: WebSphere AppServer v7 or Apache Tomcat v6.0
- IBM Content Manager II4C APIs

Technology Preview

SYSCOM works to constantly improve our products. Some features are currently available as a preview. They are functional but need to be made production ready with proper error processing and tuning. The preview features are:

- support of CMIS-compliant repositories
- support of IBM FileNet Content Manager
- support of Web Services

Summary

Any large or small organization must consider options for faster development and compliance initiatives. SYSCOM Content Services provides the common ECM services to make your project an instant success.

Contact SYSCOM today to discuss adding these valuable assets to your technology suite.

Company Description

SYSCOM, Inc. has been a leading provider of end-to-end information technology services for more than a quarter of a century. The company offers innovative workflow and content systems integration, business consulting services and eBusiness solutions for organizations worldwide.

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Content Services Detail

Common Core Functions

The Core functions provide a set of APIs that can be used. The Core Functions and their features are as follows:

Repository Actions

- Manage Connections
- Manage Connection Pools
- Find Items
- Find Items by Filter
- Get Item URL
- Get Item Content Length
- Get Item Content
- Get Metadata
- Unlock Item
- Create Folder
- Create Document
- Determine MIME Type
- Create Metadata
- Update Document
- Update Metadata
- Update Link
- Update Unlink
- Chain Folder
- Update Notes
- Unlink All
- Get Item Type Description
- Get Item Type List

Configuration Features

- Filter documents
- Link and Unlink
- Set Max quantity
- Define Item Type
- Define Attributes
- Specify Action: Search, Create, Copy, Update, Move

Integration Layer

The Integration Layer allows an organization to access the Core Functions or optionally develop their own Component Modules. These Features are available:

- ECM Utility package provides JAVA consumers with a simple API to call Core Functions remotely.
- Sample Java Integration Layer servlets
- Externalized logging messages
- External Configuration for Functions desired
- Java Utility Logging with Fine Thru Minimal logging settings

Component Modules

The Component Modules are specific composite functions that are optional.

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