APS SDK 2.2.1 released!

We have released APS SDK 2.2.1 including support APS 2.3.7:

https://github.com/OpenPj/alfresco-process-services-project-sdk/releases/tag/v2.2.1

APS SDK is kindly supported by Zia Consulting.

Hope this helps 😊

Labels:
Activiti  Activiti 7  Activiti Developers  Activiti Engine  Integrations
COMMUNITY NEWS

Article on Docker: 4000+ views
Thank you to everybody reading and sharing!

TLDR: Docker and legal compliance

If you have good ideas for next articles, let me know in the chat
COMMUNITY NEWS

Alfresco 7.4 is scheduled for May 2023

Next TTL should be about it, with the team making it

Stay tuned
ALFRESCO MEETUPS INITIATIVE

What happened to meetups? Is there a Covid aftermath? Can we make meetups again and promote them?

We are looking for individuals and organizations who:

• Used to organize meetups, or
• Are willing to organize meetups again, or
• Are organizing meetups but we are not aware

- Objectives
  • Sponsoring and promotion opportunities
  • We want to help you
TTL SPEAKERS WANTED!

Topics
- Showcase of your best work
- Tips and tricks
- Discussions on best practices
- About Alfresco, Nuxeo, and associated technologies

Benefits for Speakers
- Visibility in the ecosystem
- Goodies
- And other advantages
TODAY

DRM protection for Alfresco Content Services

- Hemant Prasad
- Crest Infosolutions
RESOURCES

- APS SDK
  - APS SDK 2.2.1 released! - Alfresco Hub
  - Release v2.2.1 · OpenPj/alfresco-process-services-project-sdk · GitHub
Digital Rights Management (DRM)

for Alfresco Content Services
Digital Rights Management (DRM) is the management of legal access to digital content.

Various tools or technological protection measures (TPM) like access control technologies, can restrict the use of proprietary hardware and copyrighted works.

DRM technologies govern the use, modification and distribution of copyrighted works (e.g. software, multimedia content) and of systems that enforce these policies within devices.

DRM technologies include licensing agreements and encryption.
HOW DOES IT WORK?

There are many ways to protect your content, software, or product. DRM offers the following:

- **Editing and saving protection** - Restrict or prevent unauthorised users from editing or saving your documents.
- **Sharing and forwarding protection** - Restrict or prevent users from accessing your documents if shared or forwarded to unauthorised users.
- **Print protection** - Restrict or prevent users from printing your documents or printing only a number of times.
- **Screen protection** - Disallow users from creating screenshots or screen grabs of your documents or sharing via video conferencing solutions.
- **Time-lapse protection** - Set an access expiry date on your document or media, after which the user will no longer be able to access it. This could also be done by limiting the number of uses that a user has. For instance, a document may be revoked after the user has opened it 10 times.
- **Geo-access protection** - Lock access only to certain IP addresses, locations, or devices. This means that if your media is only available to US residents, then it will not be accessible to people in other countries.
- **Identity enforcement** - Apply Dynamic Screen and/or Print Watermark on documents in order to establish ownership and identity.
**DOCUMENT SECURITY IN ALFRESCO**

**Alfresco Identity Service**

**Alfresco Content Services**

**Authentication**

**Single Sign-on / 2FA**

**Alfresco ACLs**

**Data-at-Rest Encryption (AES-256)**

**Data-in-Motion Encryption (SSL / TLS 1.2)**

**Authorized User**

**Role based Access Control (RBAC) and Permissions**

**Secure Enough for Sensitive Documents?**
**DOCUMENT SECURITY CHALLENGES**

- **Alfresco Identity Service**
- **Alfresco Content Services**
- **Authentication (Single Sign-on / 2FA)**
- **Alfresco ACLs**
- **Data-at-Rest Encryption (AES-256)**
- **Data-in-Motion Encryption (SSL / TLS 1.2)**
- **Download Content**
- **Authorized User**
- **Upload in Unsafe Cloud Drive / USB**
- **Forward to Unauthorised Internal / External Users.**
- **Make Copies, Photo or Print**
- **Role based Access Control (RBAC) and Permissions**

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Tech Talk Live #145  
www.crestsolution.com  
Crest Infosolutions Pte Ltd
HOW CAN DRM ADDRESS SECURITY CHALLENGES FOR

ALFRESCO USERS?

- Authenticated User
- Role based Access Control (RBAC) and Permissions
- Data-at-Rest Encryption (AES-256)
- Data-in-Motion Encryption (SSL / TLS 1.2)

*Powered by Fasoo Enterprise DRM
THE USER EXPERIENCE WITH DRM

- Document Edit and Save Protection
- Dynamic Screen Watermark
- Screen Capture and Print Protection

*Powered by Fasoo Enterprise DRM*
Alfresco – DRM Integration

DEMO
**Fasoo Enterprise DRM**

**Advanced Data Protection**
- ✓ Enforce the highest level of protection for unstructured data
- ✓ Protect, control and trace sensitive data at all times throughout its lifecycle
- ✓ Apply exception policies to minimize change management risks
- ✓ Enable innovative security policy optimization, leveraging analytics
- ✓ Reduce data risks – at rest, in transit, in use based on policy and behaviour.
- ✓ Manage insider threats, prevent data breaches and complete your security

Know more about Fasoo DRM at [www.fasoo.com](http://www.fasoo.com)

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INTEGRATION FLOW: ALFRESCO – FASOO ENTERPRISE DRM

- **User Directory** (AD / LDAP)
- **DRM Policy Server**
- **Permission Map**
- **DRM Packager** (Encryption Module)
- **DRM Client**
- **DRM Policy Identifiers** (metadata): Library/path, user info., repository Id, file ID, etc.

**Digital Rights Management**

**Access**
- View
- Modify
- Print
- Publish
- View
- Edit
- Print
- Capture

**Alfresco Content Services**

**Download**

*Powered by Fasoo Enterprise DRM*
USE CASES: THE ALFRESCO – DRM INTEGRATION

- Protect Intellectual Property (IP) information, as well as financially or security sensitive documents from unauthorized download, print and access.

- Share Business Critical Documents internally for reviews and comments without giving full access to DMS system.

- Share Sensitive Contracts or Legal Agreements for reviews and comments by external consultants.

- Send/receive documents/forms/spreadsheets to external parties for data collection securely, without worrying about data leak.
BENEFITS: THE ALFRESCO – DRM INTEGRATION

Document Forwarding Protection
Unauthorized users are unable to open the encrypted file, even if shared via email or cloud.

Document Edit and Save Protection
Unauthorized users are unable to edit or extract contents from downloaded documents.

Screen Capture and Print Protection
DRM enforces Screen and Print protection on native applications while viewing protected documents by blocking screen capture and applying dynamic watermark.

Time lapsed protecting and tracking using Audit Logs
DRM specifies access duration on protected documents and collects access logs for user activities.
THANK YOU

from Crest Infosolutions Pte Ltd

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