



Alfresco Tech Talk Live #167

Nabih Metri – Product Manager (Hyland)

hosted by Angel Borroy – Developer Evangelist

16th April 2025

News

Projects

- <https://github.com/aborroy/spring-ai-model-comparison> - Comparing Docker Model Runner with Ollama for local Spring AI development

Highlighted Community Projects

- <https://github.com/saidone75/alfresco-totp-authenticator> - Time-based One-Time Password two factor authentication for Alfresco
- <https://github.com/cparedesr/openai-qdrant-chatbot-alfresco> - Alfresco Embeddings with Qdrant
- <https://github.com/atolcd/alfresco-audit-share> - Alfresco Share free and open-source statistics module
- <https://github.com/papinifrancesco/Alfresco> - Alfresco related configuration documents



News

Contributions

- Restore ACS 6.x deployment for `alfresco-docker-installer`
 - <https://github.com/Alfresco/alfresco-docker-installer/issues/222> by [Jérôme Rautureau](#)
- Alfresco Mobile Workspace 1.11.0 not connecting
 - <https://connect.hyland.com/t5/alfresco-forum/alfresco-mobile-workspace-not-connecting/td-p/488881>
 - Reported via Alfresco Discord Server by *Sergio Baiao*
- CVE-2025-24813 Tomcat Vulnerability (no impact in Alfresco products)
 - <https://connect.hyland.com/t5/alfresco-forum/cve-2025-24813-tomcat-vulnerability/m-p/488404>

Blog posts

- [Getting Started: Run Alfresco AI Development Locally with Docker Model Runner](#)
- [Comparing LLM Runtimes for Alfresco in Spring AI: Ollama vs Docker Model Runner](#)



CommunityLIVE US 2025

<https://www.communitylive.com/event/de3b0b37-335f-4ab3-a426-c2a02a78546e/overview-1>

HYLAND™ / COMMUNITYLIVE

Las Vegas, August 25-28, 2025

REGISTER NOW

MONDAY, AUG 25 **TUESDAY, AUG 26** WEDNESDAY, AUG 27 THURSDAY, AUG 28

- 8 a.m. – 5 p.m. Registration open
- 9 a.m. – 5 p.m. Technical Training
- 9 a.m. – 5 p.m. DevCon Hackathon
- 5:15 – 6:15 p.m. User Group Sessions
- 6:30 – 8:30 p.m. Welcome Reception

9 a.m. – 5 p.m. DevCon Hackathon



Join the Alfresco Community!

- Hyland Connect
 - <https://connect.hyland.com>
- Hyland Community
 - <https://community.hyland.com>
- Events
 - <https://events.hyland.com>
- Discord Server
 - <https://discord.gg/kGDnymvu>
- GitHub
 - <https://github.com/alfresco>
 - <https://github.com/alfrescoLabs>



Alfresco TTL #167

Transform your content
into AI-ready data with the
Knowledge Enrichment
APIs

Nabih Metri
Product Manager
Hyland





HYLAND™

The image features the word "HYLAND" in a bold, white, sans-serif font, centered horizontally. To the right of the word is a small "TM" trademark symbol. The text is overlaid on a dark background with horizontal streaks of red and blue light. Two diagonal, semi-transparent bands, one red and one blue, cross the text from the bottom-left to the top-right. The overall aesthetic is modern and high-tech.

HYLAND™



Hyland Knowledge Enrichment

Nabih Metri
Product Manager

April 16, 2025

Unstructured data represents

as much as

80%

of enterprise content stored in multiple repositories, both on-premises and in multiple clouds.



Enterprises are attempting to transform digitally but are not able to drive actions.



Proliferation of data sources

Enterprises have an average of 21 data repositories*, which make it difficult for subject matter experts to locate and use the right data to make business decisions.



Lack of content structure

The unstructured nature of content, combined with fragmented repositories, varied storage methods and diverse content types makes it harder to find the right context for a specific situation quickly and at scale.



Inability to take action

Fragmented and lack of complete data repositories contributes to inefficient and often incorrect decisions for planned and unexpected scenarios.



Bad Data: The Recipe for Disaster

Ingredients:

- 4 large egg whites
- 1 cup of granulated sugar
- 1/2 teaspoon of baking soda
- 1 tablespoon of vanilla extract
- 1/2 cup of almond flour
- 1/2 cup of powdered sugar
- 1/2 cup of heavy cream
- 1 tablespoon secret ingredient

Instructions:

- Preheat the oven.
- In a large bowl, beat the egg whites.
- Gradually add the granulated sugar and cream of tartar, beating until stiff peaks form.
- Mix everything that's left.
- Spread the meringue mixture onto the prepared baking sheet, forming a circular shape.
- Bake until you think it's done.
- Turn off the oven and let the meringue cool completely in the oven with the door slightly ajar.
- Once cooled, top with whipped cream made from the heavy cream.



Good Data: Blending the Perfect Outcome

Ingredients:

- 5 large egg whites , at room temperature
- 1 whole egg , at room temperature
- 1 cup (8 fl oz/240 ml) whole milk
- 2 ¼ teaspoons pure vanilla extract
- 3 cups (15 oz/426 g) cake flour , sifted
- 2 cups (16 oz/450 g) granulated sugar
- 4 teaspoons baking powder
- ½ teaspoon salt
- ¾ cup (6 oz/170 g) butter , cold

Instructions:

To Make the Cake Batter:

- Preheat the oven to 350°F (180°C). Butter and line two (6-inch) cake pans.
- In a large jug whisk together the egg whites, whole egg, milk, and the vanilla extract. Set aside.
- In the bowl of an electric mixer fitted with the paddle attachment, combine the flour, sugar, baking powder and salt together on low speed for 1 minute. (You can also do it by hand)
- Add the cold butter and continue to mix on low until the mixture is a fine crumbly texture.
- Add the wet into your dry ingredients in 2 separate batches making sure to scrape the sides and bottom before and after each batch. Mix until well combined.



Knowledge Enrichment

BETA

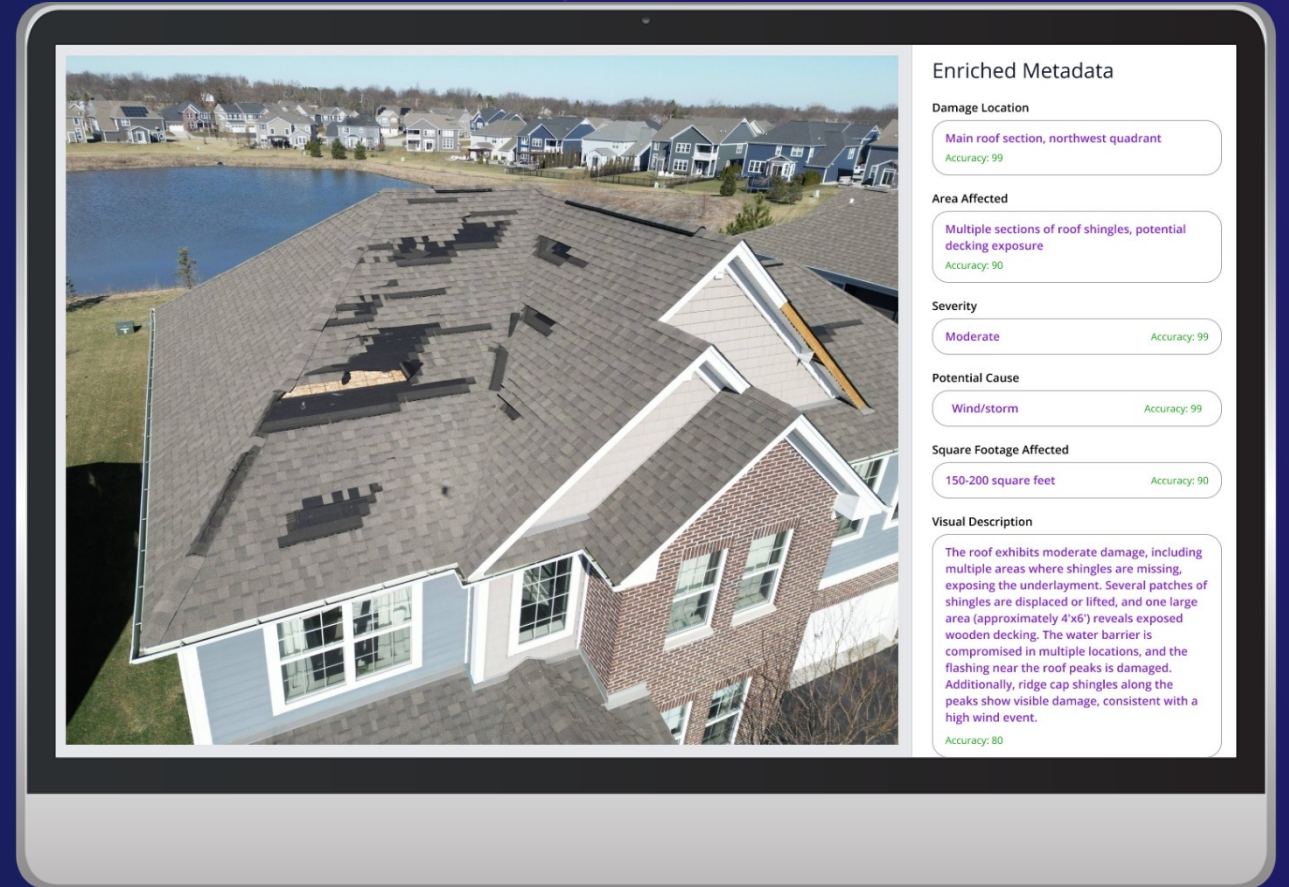
Transform raw, unstructured content into structured, high quality contextual content for use in AI-based automation and app development.



Knowledge Enrichment

Make the most of unstructured data and content in AI applications

- SaaS-based APIs purpose-built for AI system builders
- **Data curation:** Transform content and unstructured data into AI-ready assets
- **Context enrichment:** Enrich your content with the context needed to aid decision-making and move processes forward



DISCLAIMER: This image is conceptual and shows capabilities in the roadmap.



Knowledge Enrichment Beta Features

Support for 600+ file types using Hyland Document Filters

Transforms unstructured data into a structured format (markdown/JSON)

Text normalization

Contextual Text chunking

Chunk positional information

Image description

Text summarization

Named entity recognition

Metadata generation

Embeddings generation



Data Curation

E-CORP ROOFING SERVICES

"We Control What You See Above"

655 3rd Ave
New York, NY 10017
Phone: (987) 654-3210
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ROOF REPAIR ESTIMATE

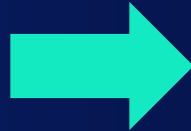
Date: October 23, 2024
Estimate #: 5/9-INIT

Client:

Tyrell Wellick
217 Lakeside Drive
Lake Oswawana, NY 10547
(914) 555-0151
tyrell.wellick@swedishcto.net

RECOMMENDED REPAIRS

Item	Description	Quantity	Unit Price	Amount
1	Emergency tarping service (if needed)	1 service	\$350.00	\$350.00
2	Replacement of damaged asphalt shingles	2.5 squares	\$325.00	\$812.50
3	Repair of lifted and displaced shingles	3 squares	\$250.00	\$750.00
4	Replacement of damaged roof decking	24 sq. ft.	\$8.50	\$204.00
5	Synthetic underlayment installation	200 sq. ft.	\$0.85	\$170.00
6	Water barrier restoration	200 sq. ft.	\$1.25	\$250.00
7	Flashing repair/replacement near roof peaks	3 sections	\$125.00	\$375.00
8	Ridge cap replacement	25 linear ft.	\$25.00	\$625.00
9	Inspection of surrounding roof areas for hidden damage	1 service	\$250.00	\$250.00
10	Debris removal and cleanup	1 job	\$300.00	\$300.00
			Subtotal:	\$4,086.50



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Data Curation vs Industry in Knowledge Discovery


Content Intelligence Demo B ▾ HYLAND™ | T ▾

Knowledge Discovery Agent Management

Agents

- Bank Policy Specialist
- City Council Agent
- Funeral Info Expert**
- Generalist
- Home Insurance Claim
- HR Assistant
- Loan Management
- Medical Claims Manager
- Operational Manuals Expert
- Prescription Records
- Vehicle Loan Agent

 **Funeral Info Expert**



Ask a question
We'll get you the right answer about the right content.

Agent Focus

Add filters to narrow down exactly what content you want the agent to focus on for its response.

dateCreated

createdBy

documentType



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Context Enrichment

AI Enriched Metadata

Property Info:

- **Property Type:** Residential home
- **Inspection Status:** Initial inspection completed; further inspection of surrounding areas recommended
- **Geographic Risk Context:** Lake Oswawana, NY — prone to snow, rain, and storms

Damage:

- **Roof Condition:** Significantly damaged
- **Potential Cause of Damage:** Recent storm or wind event
- **Type of Damage:** Water Intrusion, Shingle Displacement, Structural Exposure
- **Additional Risk Identified:** Potential hidden damage in surrounding roof areas
- **Urgency Level:** Moderate to high (due to emergency service and water barrier issues)

Materials Involved:

- **Material Type:** Asphalt Shingles
- **Underlayment Type:** Synthetic Underlayment
- **Flashing Work Included:** Yes
- **Water Barrier Installation:** Included
- **Ridge Cap Replacement:** Included
- **Debris Cleanup:** Included

TRADITIONAL METADATA

Document Type: Repair estimate

Company Name: E-Corp Roofing Services

Company Address: 655 3rd Ave, New York, NY 10017

Client Name: Tyrell Wellick

Client Address: 217 Lakeside Drive, Lake Oswawana, NY 10547

Estimate Date: October 23, 2024

Estimate Number: 5/9-INIT

Total Estimate (USD): \$4,086.50



Context Enrichment



TRADITIONAL METADATA

Image date: 10/18/2024

House Details:

- 2 story
- Exterior: brick, siding
- Roof: shingles
- Home type: single family

AI Enriched Metadata

Damage Assessment:

- **Location:** Main roof section, northwest quadrant
- **Area affected:** Multiple sections of roof shingles, potential decking exposure
- **Severity:** Moderate to severe wind/storm damage
- **Square footage affected:** Approximately 150-200 square feet

Visible damage includes:

- Multiple areas of missing shingles exposing underlayment
- Several patches of displaced/lifted shingles
- One large area (approximately 4'x6') with exposed wooden decking
- Compromised water barrier in multiple locations
- Damaged flashing near roof peaks
- Ridge cap shingle damage visible along peaks
- Pattern of damage consistent with high wind event

Additional Observations:

- Property is lakefront, potentially exposing roof to stronger wind conditions
- Surrounding houses visible in image appear to have intact roofs, suggesting localized damage
- Home appears to be relatively new construction
- Multiple elevation changes in roof structure may have contributed to wind damage patterns
- Current temporary repairs/tarpping may be needed to prevent water infiltration
- Professional assessment recommended for potential structural damage to roof decking



Contextual Confirmation of Claim Integrity

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```
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Fraud Detection AI Agent

- [✓] Damage Severity Matches
- [✓] Damage Location Consistency
- [✓] Materials and Work Scope Aligned
- [✓] Geographic Risk Factors Match
- [✓] No Image Duplication Detected

✓ Fraud Conclusion: No indications of fraud detected

Reasoning:

- Damage in image and estimate are consistent
- Location risk aligns with storm damage
- Estimate includes all visually verified repairs
- No duplicate media or conflicting metadata found



What Makes It Different

Precision Extraction + Spatial Context = Smarter, Trusted AI Pipelines

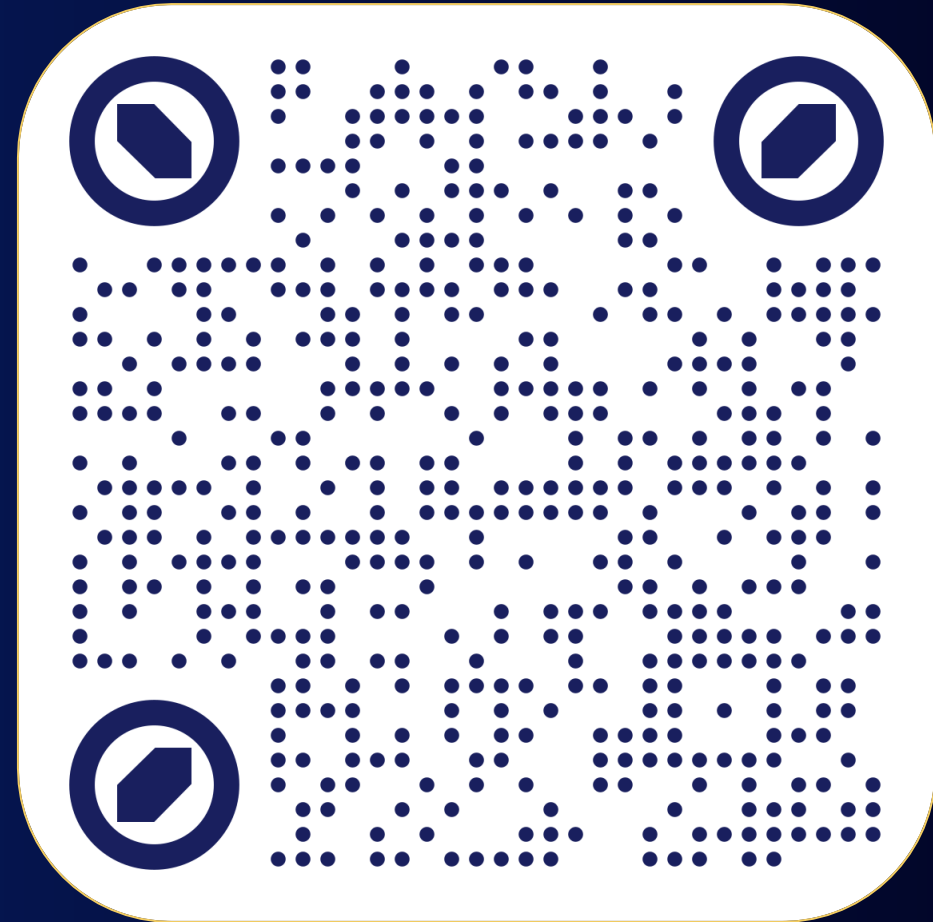
- **Superior extraction quality** thanks to Document Filters (not LLMs)
 - **Clean, precise, high-fidelity data extraction**—captures more than just text.
- **Preserves structure and position**
 - Not just blobs of text—**tables stay tables, headers stay headers**, and data stays in context.
- **Ready-to-use outputs** – no need for extra cleaning or formatting
 - No messy post-processing—**outputs are AI/ML ready** straight out of the box.
- **Embedded Positional Intelligence**
 - Markdown/JSON outputs include **location context**—so systems know *where* elements appeared on the page.
 - Enables layout-aware AI—powers visual grounding, table mapping, and region-based workflows



Join the Knowledge Enrichment beta program

API Documentation

<https://hyland.github.io/ContentIntelligence-Docs>



[Sign up here](#)



Five questions to ask your team

- 1 Have you identified which business processes rely on unstructured or semi-structured data?
- 2 Can you list the specific decisions or actions that would benefit from enriched, contextualized data?
- 3 Do you know where your most valuable data lives and in what formats and systems?
- 4 Have you assessed the quality, completeness, and context of your data before it reaches downstream AI systems?
- 5 Has your team agreed on how you'll measure the impact of cleaner, more structured knowledge on business outcomes or AI performance?



