



Fueling Agentic AI

UNLOCKING THE POWER OF UNSTRUCTURED DATA





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Fueling Agentic AI

Unlocking the power of
unstructured data

Unstructured data and Agentic AI

Breakout – How will you use your content with
Agentic AI?

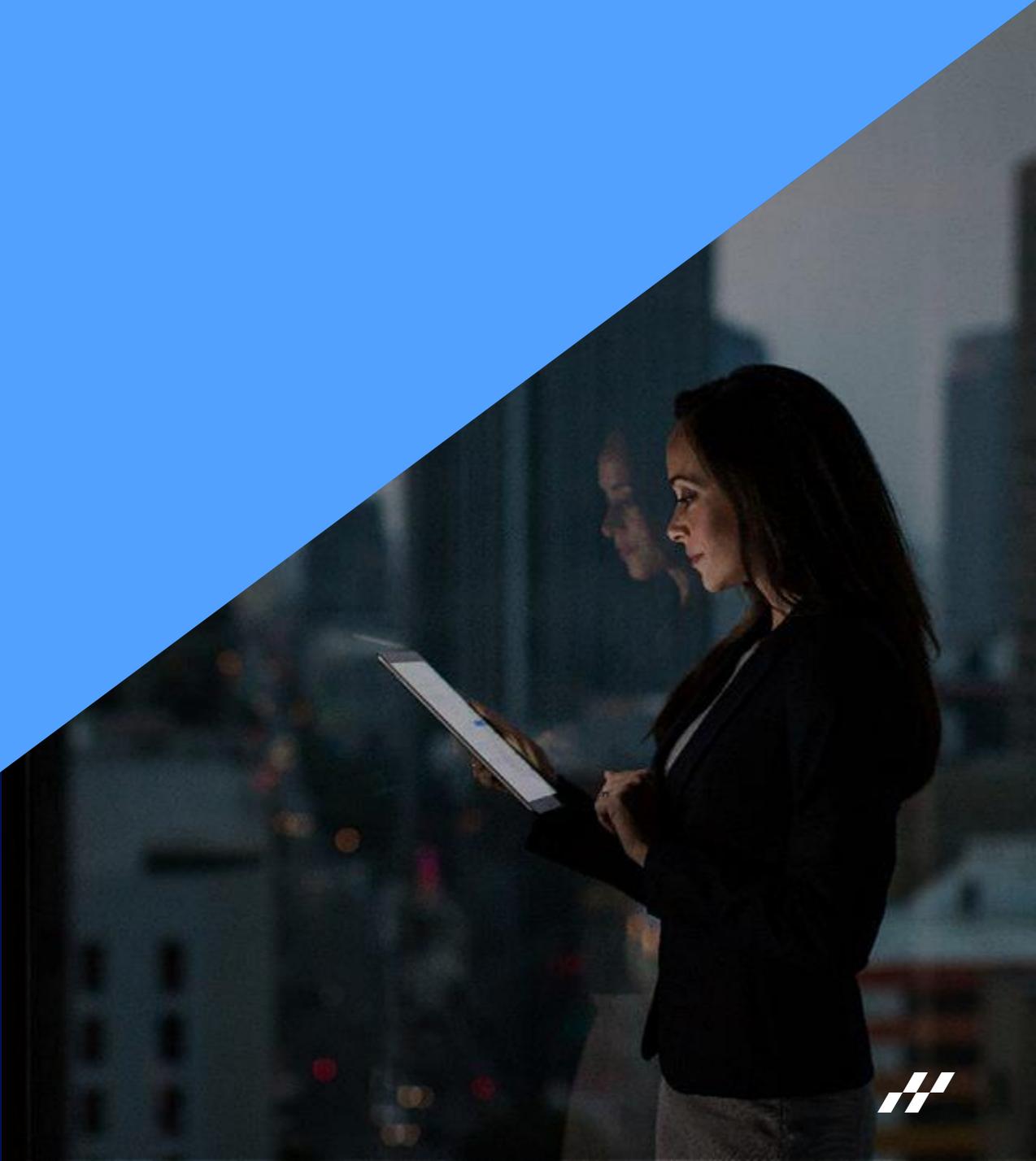
Share learnings and wrap up



Poll questions

Are you personally working with or planning to work with AI?

Are you familiar with different forms of AI?



Unstructured Data and Agentic AI

What is Agentic AI?

Importance of data for Agentic workflows



Approaches to AI

Classical ML & DL

Recognize patterns learnt from data to predict or classify

Generative AI

Generate new content in text, image or other forms

Agentic AI

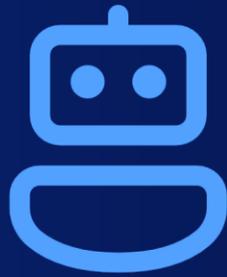
Take autonomous actions to achieve goals



What is Agentic AI?



Goal driven



Autonomous



**Memory,
Plan, Sense**



Use Tools



**Reflect and
Learn**



Examples of Agentic AI in enterprise use cases



**Autonomous
Claims Adjustment**



Fraud analysis



**Clinical workflow
routing**



HR Operations



Customer Success



Unstructured data represents

80% of enterprise content

stored in multiple repositories, both on-premises
and in multiple clouds



Challenges in Agentic AI



Unstructured Data Integration

Agentic AI systems may struggle to seamlessly integrate and process unstructured data sources, such as text, audio, and video, which are common in many industries.

Contextual Understanding

Agentic AI agents may have difficulty comprehending the nuanced, contextual information often present in unstructured data, leading to potential misinterpretations or suboptimal decision-making.

Scalability and Performance

The complexity of agentic AI systems may limit their ability to handle the high volumes and diverse formats of unstructured data, potentially impacting scalability and real-time performance.

Data Privacy and Security

Agentic AI systems may raise additional concerns around data privacy and security, as they may have access to and process sensitive, unstructured information.

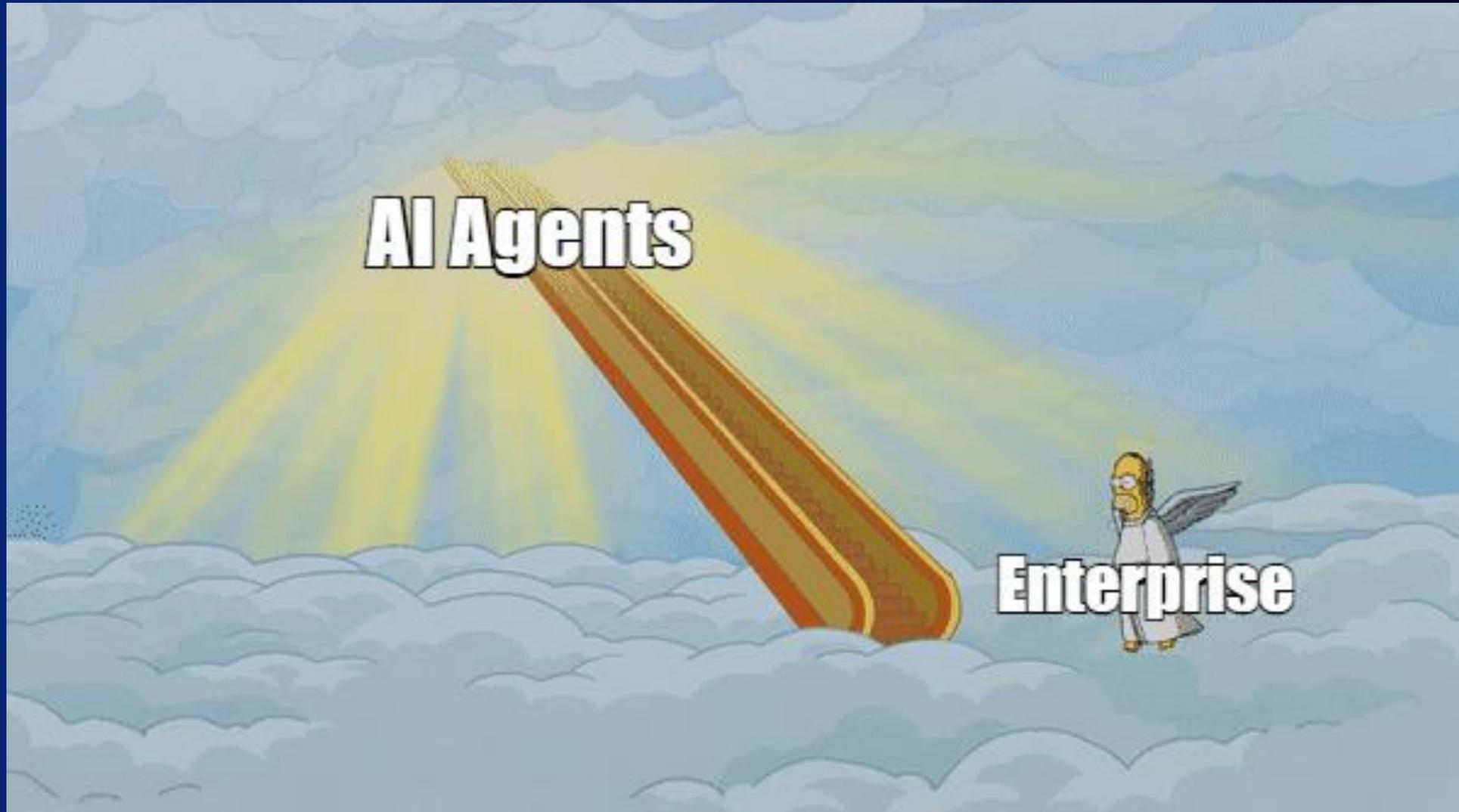
Transparency and Explainability

The black-box nature of some agentic AI models can make it challenging for unstructured data technology vendors to provide transparent and explainable insights to their customers.



Generic approaches will NOT work – Agentic needs DEEP understanding of vertical and specific workflows

Importance of data to power Agentic AI





TRADITIONAL METADATA

Image date: 10/10/2024

House Details:

- Year Built: 2015
- 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/tarping may be needed to prevent water infiltration
- Professional assessment recommended for potential structural damage to roof decking



Feed your Agents with the right context

Search Agents

ReAct Agents

Content Management
Agents

...

Enrich and Contextualize Data

Metadata Classification,
Categorization

Summarization and analysis

Content extraction, chunking
and vectorization

Industry Ontologies and
Knowledge Graphs

Unified content and governance



NUXEO



box



workday.



**Breakout:
How will you
use your
data for
Agentic AI?**

Answer Alan's 5 Questions – 10 min per question

Focus on Unstructured Data / Content

Discuss real life examples

Write down 2 next steps based on every question



Five questions to ask your team

- 1 Have you identified the processes that you think AI will improve?
- 2 Can you list the individual tasks that AI will automate within those processes?
- 3 Have you identified and quality-controlled the pools of knowledge/data you will feed into the AI?
- 4 Do you know which people and skills you will need to build and operate your AI Solution?
- 5 Have decision-makers within your organization agreed on which measurements you will use to define the AI solution's success?



1

Have you identified the processes that you think AI will improve?



2

Can you list the individual tasks that AI will automate within those processes?



3

Have you identified and quality-controlled the pools of knowledge/data you will feed into the AI?



4

Do you know which people and skills you will need to build and operate your AI Solution?



5

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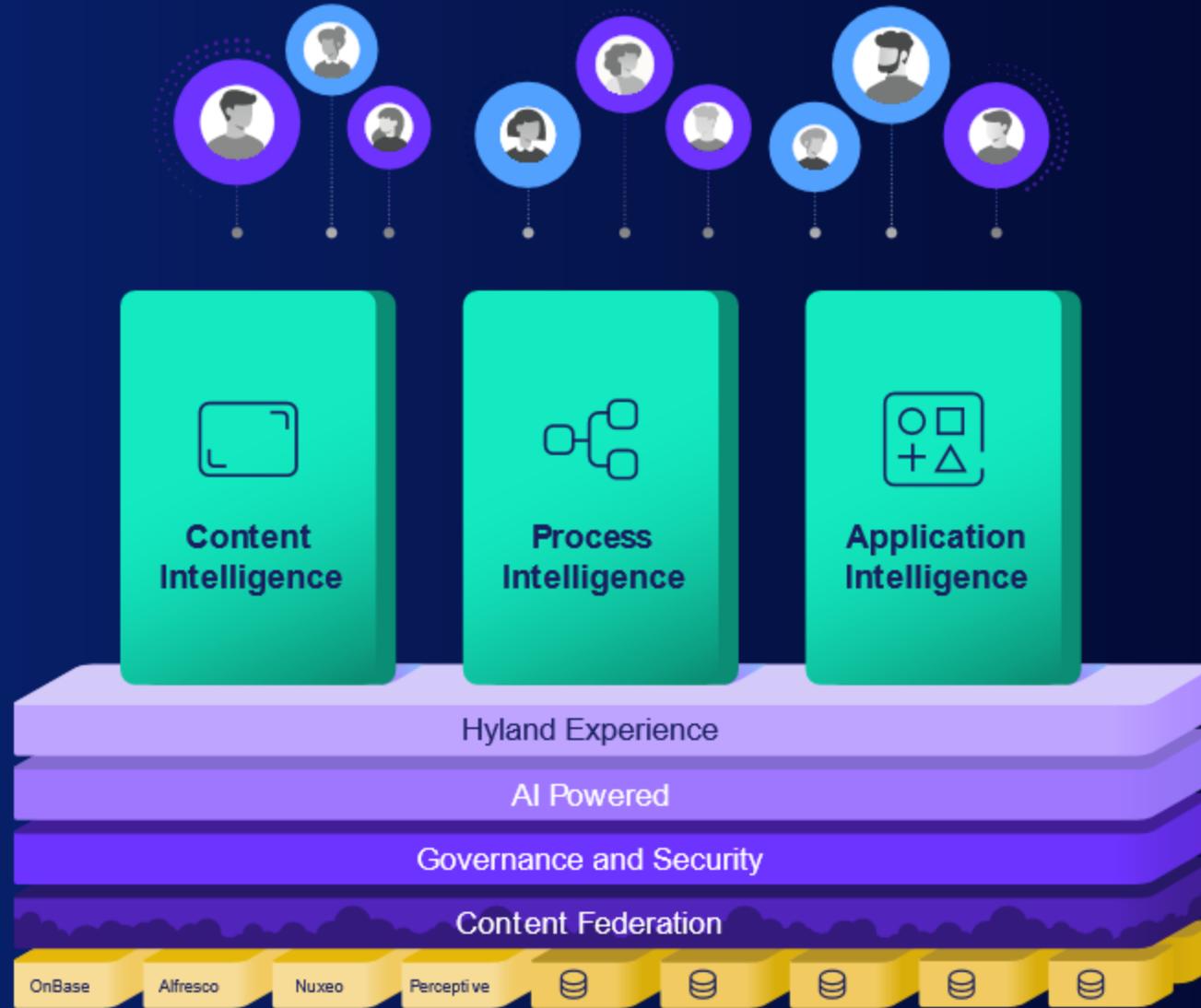


How many has your team or company answered?

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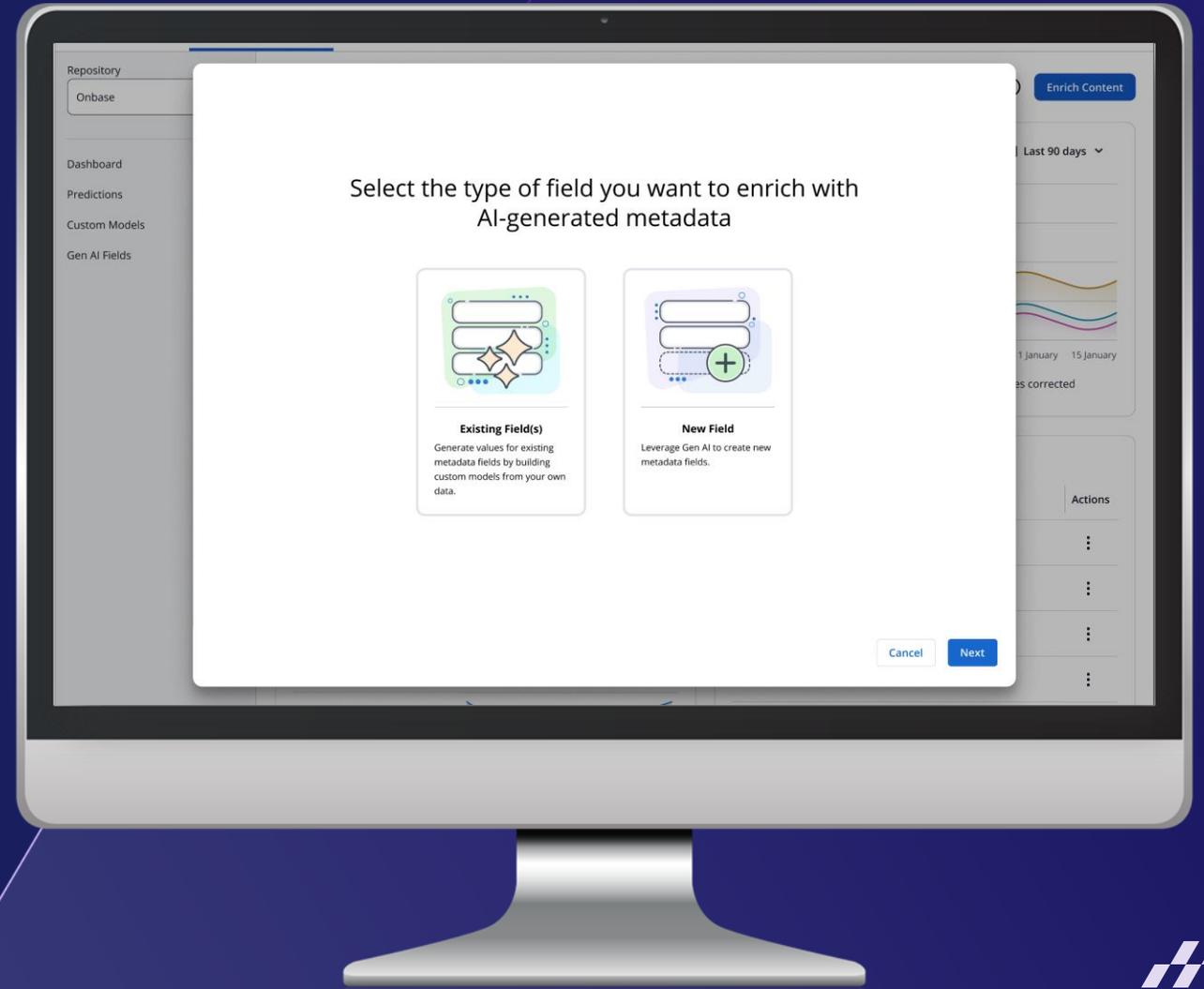
The Content Innovation Cloud™



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.





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