



Generative AI capabilities in Alfresco Digital Document Management

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What's New in Alfresco



Latest Version	25.1
Released on	March 2025
Java Support	OpenJDK 21
Latest Certification	DoD 8180.1

Area	Alfresco 5.2	Alfresco 25.1
User Experience	Basic interface, functional but dated; hard to personalize	Cleaner, modern interface; easier to navigate; customizable views and actions
Search	Simple keyword and metadata search	Faster and smarter search; more precise filters; better performance with large volumes
Document Management	Upload, tag, approve, and share documents	Same but faster and more intuitive; drag-and-drop support, version control, and bulk actions more refined
Collaboration	Share documents via Share folders and links	More streamlined sharing; easier team collaboration, less friction in approvals
Records & Compliance	Manual record declaration; basic file plans	Automated record management; clear lifecycle rules; reduces compliance risk without user intervention
Audit & Oversight	Technical audit logs, not easily accessible	Business-friendly reports and dashboards for governance, audit, retention, legal holds
Notifications & Workflow	Limited; often required IT help to set up custom workflows	Easier to configure notifications, approvals, escalations – without needing developers
Mobile & Remote Access	Limited mobile capabilities; older UI not mobile-optimized	Better mobile usability and modern responsive design for remote work scenarios
Retention & Legal Holds	Requires manual action to lock or delete records	Automatic retention schedules, legal holds, and deletion based on policy – reduces human error

Generative AI Capabilities



Summarise Documents

Long documents can be time consuming to read and are prone to oversight for important information.

GenAI capabilities of Alfresco generates concise summary of documents within seconds, without the need to upload to public cloud.

Translate Documents

While working in a global environment, we often get documents in various languages, which require translation, but translating using public tools can expose sensitive information.

Alfresco's built in GenAI integrate helps translates documents in various languages including Bahasa Melayu seamlessly.

Chat / Q & A with Documents

Knowledge is the key to decision making and faster extraction of knowledge from trove of documents can result in faster decision making.

The built in AskAI / Chat feature allows users to quickly retrieve information from record folders.

Metadata Extraction using AI

Manually entering metadata can be time consuming and error prone when dealing with hundred of thousands of records.

Alfresco's GenAI metadata extractor can help categorize the records, extract and fill metadata automatically, saving time, improving user productivity and reducing errors.

Generative AI Capabilities

Summarise Documents

- Automatically summarize documents for faster and better decision making.
- Reduce human errors and oversight on important documents.

The screenshot displays the digiworks application interface. The top navigation bar includes links for Dashboard, Tasks, Documents, Records, Reports, and Apps. The user is logged in as 'Hi, Hemant HP'. The main content area shows a document titled '01 DEFINISI KECERDASAN BUATAN (AI)' with a green background and circuit-like patterns. The document content includes a definition of AI, key terminologies, and types of AI. A right-hand panel titled 'AI Summary' provides a concise overview of the document's content, including a summary, key points, and a list of key terminologies and types of AI. A license expiration notice is visible at the bottom of the document preview.

01 DEFINISI KECERDASAN BUATAN (AI)

Terminologi "Kecerdasan Buatan" (AI) telah diperkenalkan pada tahun 1956 oleh John McCarthy, seorang ahli sains komputer Amerika yang berpengaruh, semasa Persidangan Dartmouth yang dianggap sebagai titik tolak penting dalam menjadikan AI sebagai satu disiplin penyelidikan. McCarthy menggambarkan AI sebagai "sains dan kejuruteraan untuk mencipta mesin yang pintar" yang berfungsi dan bertindak balas menyamai kecerdasan manusia¹.

Secara asasnya, AI memfokuskan kepada pembangunan algoritma dan model pengkomputeran yang mesin menjalankan fungsi kognitif minda manusia.

Walaupun terdapat pelbagai definisi AI yang

AI Summary

Summary: Kecerdasan Buatan (AI) / Artificial Intelligence (AI)

This document provides a comprehensive overview of Artificial Intelligence (AI), focusing on its definition, key terminologies, types, components, capabilities, limitations, and lifecycle, especially within the context of the public sector. It emphasizes the importance of understanding AI for effective adoption and ethical implementation.

Key Points:

- Definition of AI: AI is defined as the science and engineering of creating intelligent machines capable of performing tasks that typically require human intelligence. It involves developing algorithms and computational models that enable machines to perform cognitive functions.
- Key Terminologies:
 - Algorithm: A set of rules or instructions given to an AI system to help it learn.
 - Machine Learning (ML): Systems that learn and adapt without explicit instructions, using algorithms and statistics.
 - Deep Learning (DL): An advanced subset of ML that mimics the human brain using multiple layers for decision-making.
 - Natural Language Processing (NLP): The ability of machines to understand and generate human language.
- Types of AI:
 - Artificial Narrow Intelligence (ANI): Designed for specific tasks with high expertise.
 - Artificial General Intelligence (AGI): Aims to understand and learn any intellectual task that a human can.
 - Artificial Super Intelligence (ASI): Hypothetical AI that surpasses human intelligence and capabilities.
- AI Based on Functionality:
 - Reactive Machines AI: No memory, mimics human response to stimuli.
 - Limited Memory AI: Learns from past data to make decisions.
 - Theory of Mind AI: Understands emotions, beliefs, and thoughts.
 - Self-aware AI: Possesses self-awareness and consciousness.

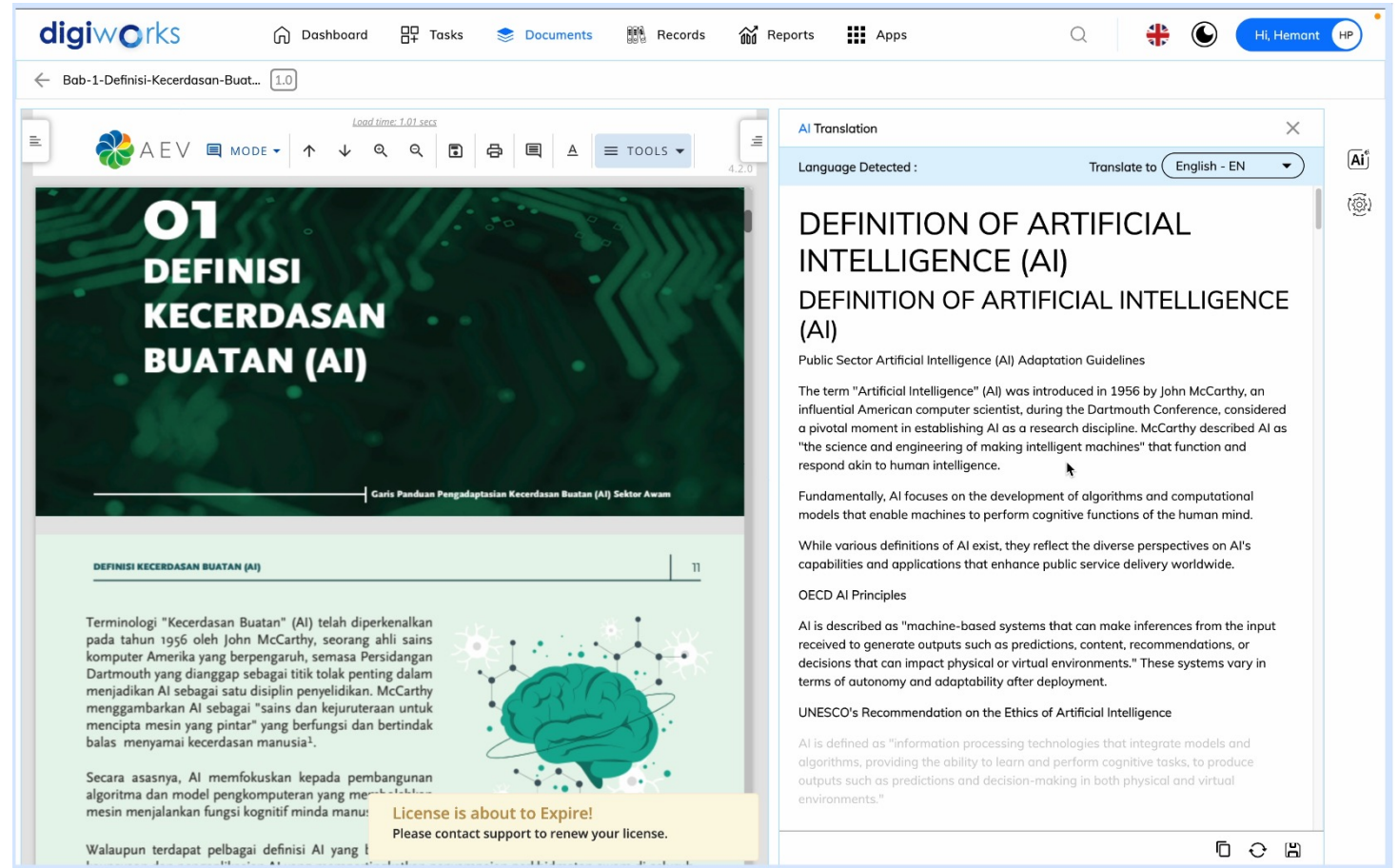
Generated on Aug 5, 2025, 10:59:18 PM

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Generative AI Capabilities

Translate Documents

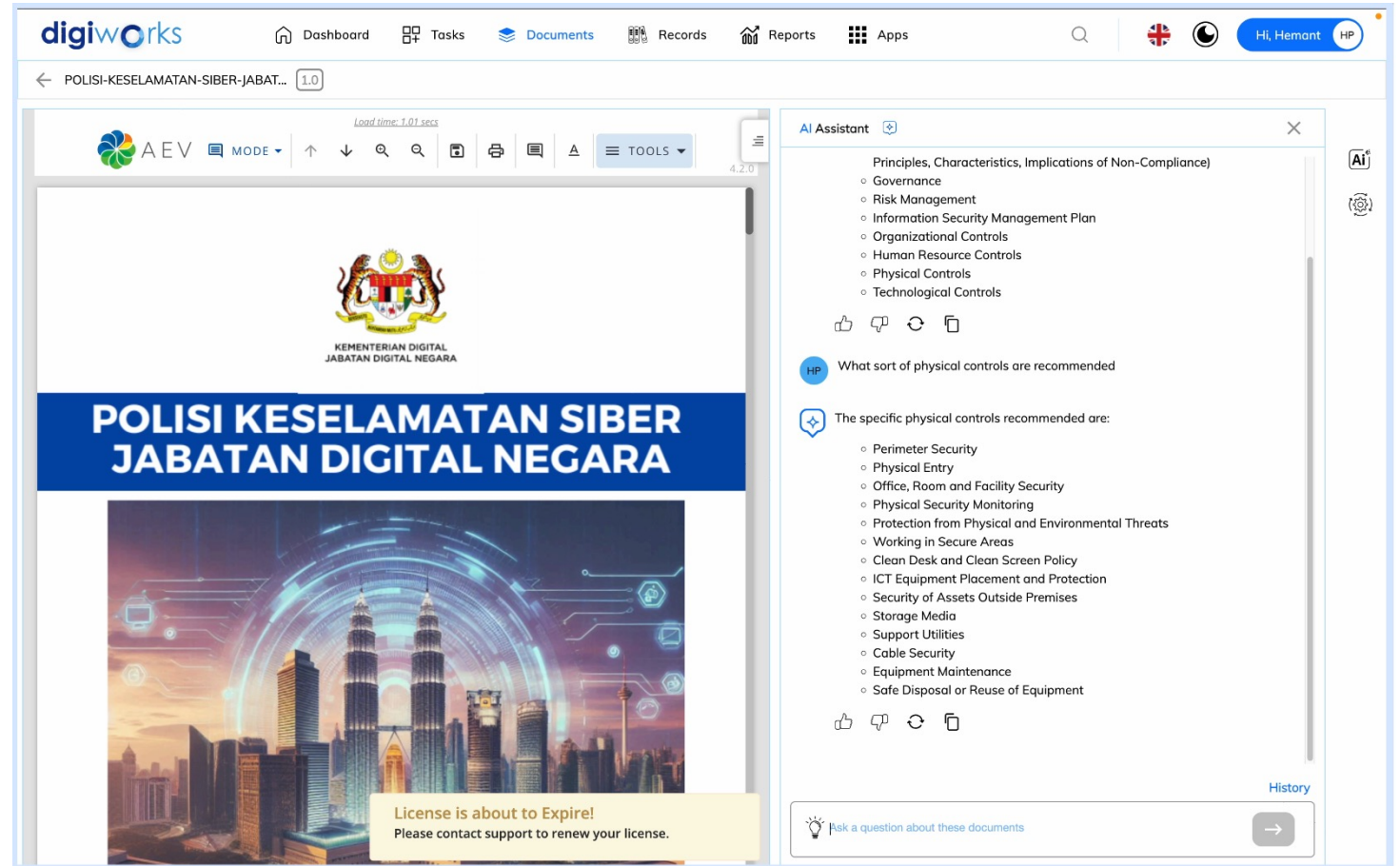
- Automatically translate documents in various languages without exposing to public platforms.
- 120+ languages supported, including Bahasa Melayu, German, Italian, Spanish, Simplified Chinese, Japanese, Vietnamese, Thai and Arabic etc.



Generative AI Capabilities

Chat / Q & A with Documents

- The built in AI Chat module allows business users to retrieve information from the documents and reports stored in Alfresco.
- The intuitive Chat / Q&A modules enhances user experience by retrieving information using natural query and by providing recommendation and suggestions based on the response, to augment effective decision making.



Generative AI Capabilities

Metadata Extraction using AI

- Automated records categorization, e.g. Letter or reports etc..
- Extract key metadata from scanned documents and fill automatically, thereby saving time and reducing human error.
- Allows users to verify/QA on extracted information to ensure quality.

The screenshot displays the digiworks application interface. The top navigation bar includes links for Dashboard, Tasks, Documents, Records, Reports, and Apps. A user profile for 'Hi, Hemant' is visible in the top right corner. The main content area is divided into a left sidebar, a central document preview area, and a right sidebar for metadata verification.

Left Sidebar (Workflow Steps):

- 01 STEP 01 Upload Documents Completed ✓
- 02 STEP 02 Verify Metadata Completed ✓
- 03 STEP 03 Document Preview (Current Step)
- 04 STEP 04 Select Location

Central Document Preview:

Document Preview

Load time: 1.54 secs

AEV MODE

Purchase Order (PO)

PO Date: 2025-08-05
Total PO Amount: \$25,000.00
Bill To:
XYZ Corporation
123 Business Avenue, Suite 200
Tech City, State 12345, USA
PO Number: PO-2025-00345
Supplier Address:
Global Tech Suppliers Inc.
456 Industrial Road, Suite 500

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Right Sidebar (Verify Metadata):

Verify Metadata

Purchase Order

PO Date: 8/5/2025
Total PO Amount: 25000
*Only Numbers are allowed
Bill To: XYZ Corporation 123 Business Ave
PO number: PO-2025-00345
Supplier Address: Global Tech Suppliers Inc. 456 Indu
Payment terms: 30 days net
Requester: John Doe, Procurement Manager

Recorded on screencapture.com

Taking Control of Documents

To meet the Data residency and
Sovereignty Requirements



OneDrive Sync to Alfresco



OneDrive to Alfresco Connector

Bring your cloud documents to on-premise for backup, data residency and data sovereignty requirements.

The connector provides seamless bi-directional synchronization of documents between OneDrive for Business and Alfresco Document Management System.

- Documents and Folders (created, modified, deleted)
- Document versions (including minor and major versions)
- User Permissions

Google Drive Sync to Alfresco



Google Drive



Google Drive to Alfresco Connector

Bring your cloud documents to on-premise for backup, data residency and data sovereignty requirements.

The connector provides seamless bi-directional synchronization of documents between Google Drive for Workspace and Alfresco Document Management System.

- Documents and Folders (created, modified, deleted)
- Document versions (including minor and major versions)
- Shared Drives
- Comments
- User Permissions

SharePoint Sync to Alfresco



SharePoint to Alfresco Connector

Migrate documents from SharePoint or bring your cloud documents to on-premise for backup, data residency and data sovereignty requirements.

The connector provides seamless bi-directional synchronization of documents between SharePoint Online/on-premise and Alfresco Document Management System.

- SharePoint sites
- Documents (created, modified, deleted)
- Document versions (including minor and major versions)
- Comments
- User Permissions



Thank you

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