



New from Formtek for Hyland Alfresco

Introducing the Formtek Content Intelligence Agent Solution for Alfresco

Bring AI-powered analysis to BIM content in Alfresco—ask questions, explore building designs, and compare model information using natural language.

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Building Information Modeling (BIM) contain extensive information about a building design, including components, properties, systems, and other project data. Accessing and understanding that information, however, can require specialized BIM software and technical expertise.

Enter the Formtek Content Intelligence Agent (CIA) Solution. Formtek CIA brings AI-powered analysis to BIM content managed in the Hyland Alfresco platform. CIA extracts complex BIM information, prepares it for AI analysis, and provides users with a conversational interface for asking questions, exploring model information, and comparing BIM designs.

The **Formtek CIA Solution** components include:

Formtek CIA Transform Engine

Extracts complex BIM information and converts it to LLM-ready Markdown for AI processing

Formtek CIA Module

Provides the AI-powered BIM analysis and conversational interface within Alfresco Content Services (ACS) and Alfresco Share

Formtek CIA Module Plugin

Extends the CIA experience into Alfresco Content Application and Alfresco Digital Workspace

Together, the components connect BIM content in Alfresco with AI-powered analysis and conversational interaction. While the Transform Engine prepares the BIM information for analysis, the CIA Module and Plugin provide the user-facing AI experience.

AI-Powered BIM Analysis

Formtek CIA enables users to generate a structured AI summary of a BIM model for analysis. The CIA Transform Engine extracts complex BIM information and converts it to clean, LLM-ready Markdown, creating a structured representation of the model for AI processing.

Natural-Language Questions

Once an AI summary has been generated, users can open the AI Chat interface and ask questions about the BIM document. Users can explore model information using clear-language questions rather than manually navigating complex BIM data.

Compare Model Designs

Formtek CIA allows users to select another BIM document and compare it with the current document. This provides a conversational way to examine information across multiple building models and designs.

A Complement to Formtek EDM

Formtek CIA and the Formtek Engineering Data Management (EDM) Solution address complementary needs within the Alfresco environment.

Formtek EDM provides engineering content management capabilities for organizations managing engineering documents and data.

Formtek CIA adds AI-powered intelligence to BIM content, allowing users to analyze building models, ask questions about their contents, and compare model information using natural language.

Formtek CIA can be deployed independently of Formtek EDM, or used alongside EDM where organizations want both engineering data management and AI-powered BIM analysis.

Specifications

- **BIM Formats:**
 - **Revit Projects** (.rvt), **Families** (.rfa), **Templates** (.rte), and **Family Templates** (.rft)
 - **Industry Foundation Classes** (.ifc)
- **AI Platforms:** OpenAI, Claude, and Gemini
- **ACS Versions:** 23.x, 25.x, and 26.x
- **ACA/ADW Versions:** 7.3.x, 7.4.x, and 7.5.x
- **Operating Systems:** Linux and Windows
- **Deployment:** Containerized and non-containerized options; the CIA Transform Engine may run separately from the Alfresco repository.

Have BIM content in Alfresco you want to explore with AI? Contact bizdev@formtek.com

About Formtek. For over four decades, Formtek has provided mission-critical content management software and services to demanding engineering, manufacturing, aerospace, industrial, and technical organizations worldwide. Formtek develops solutions for open and adaptable content management platforms, helping organizations manage critical information through engineering data management, document and drawing management, records management, secure collaboration, and content intelligence. Formtek solutions support Hyland Alfresco and Formtek | Orion Content Repository Services. To learn more, visit formtek.com.

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