

AI-POWERED DOCUMENT MANAGEMENT FOR CLOUD STORAGE PLATFORMS

CASE STUDY OVERVIEW

DEVELOPED BY: ZOLUTE IT INFRASTRUCTURE
LLC

CLIENT OVERVIEW

A mid-sized enterprise with a growing digital workspace needed to efficiently manage thousands of documents stored across multiple platforms—Google Drive, Dropbox, and SharePoint. The existing manual workflows were time-consuming, error-prone, and lacked intelligent search and automation capabilities.



Challenges

The client faced several key issues across their document management lifecycle:

- **Lack of centralized visibility** into documents spread across multiple cloud platforms
- **Time-consuming search** processes with poor document discoverability
- **Manual tagging and classification** led to inconsistencies and disorganization
- **No automation for document lifecycle management** (archiving, versioning, access control)
- **Compliance risks** due to lack of auditing and access tracking
- **Limited collaboration features** across departments using different cloud systems



SOLUTION OVERVIEW

Zolute developed a custom AI-powered document management system that seamlessly integrated with Google Drive, Dropbox, and SharePoint through APIs and intelligent automation.

Key Features Implemented:

Unified Dashboard

A single view to access, search, and manage documents from all connected platforms in real-time.

AI-Based Document Classification

Machine learning models auto-tag documents by type, content, department, or confidentiality level.

Intelligent Search Engine

Natural Language Processing (NLP)-based search makes document retrieval faster and more context-aware.

Document Lifecycle Automation

Automatic version control, archival, and retention policy enforcement based on content and usage.

Security & Access Control

Role-based permissions with audit trails and real-time activity logging across platforms.

Compliance Support

GDPR- and HIPAA-ready features like automated redaction, PII detection, and activity auditing.



IMPLEMENTATION APPROACH

- **Requirement Analysis**

Stakeholder workshops to define use cases, user roles, and compliance needs.

- **Platform Integration**

Secure API connections with OAuth for Google Drive, Dropbox, and SharePoint.

- **Model Training & Customization**

Fine-tuned AI models based on client-specific document types and taxonomies.

- **Pilot Testing & Feedback**

Iterative user testing with real datasets to refine classification accuracy and usability.

- **Deployment & Support**

Full deployment with admin training, documentation, and SLA-backed support.



BUSINESS IMPACT

- **50% faster document retrieval across platforms**
- **80% reduction in manual tagging and sorting**
- **100% visibility into document locations, versions, and access patterns**
- **Improved compliance through automated tracking and policy enforcement**
- **Enhanced collaboration between teams using different cloud services**



CLIENT TESTIMONIAL

- "Zolute's AI-powered solution eliminated the chaos of managing documents across platforms. What used to take hours now takes minutes—and we finally have visibility, control, and security in one place."



CONCLUSION

Zolute's custom AI-driven document management solution provided a unified, intelligent, and secure environment to manage documents across Google Drive, Dropbox, and SharePoint. This approach helped the client boost productivity, reduce risk, and scale their digital operations efficiently.

THANK YOU



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