Get your unstructured data ready for Gen AI Applications

AMPLiFi
Make Your Data Talk

Problem

Context and knowledge are often lost in tons of unstructured documents and communication
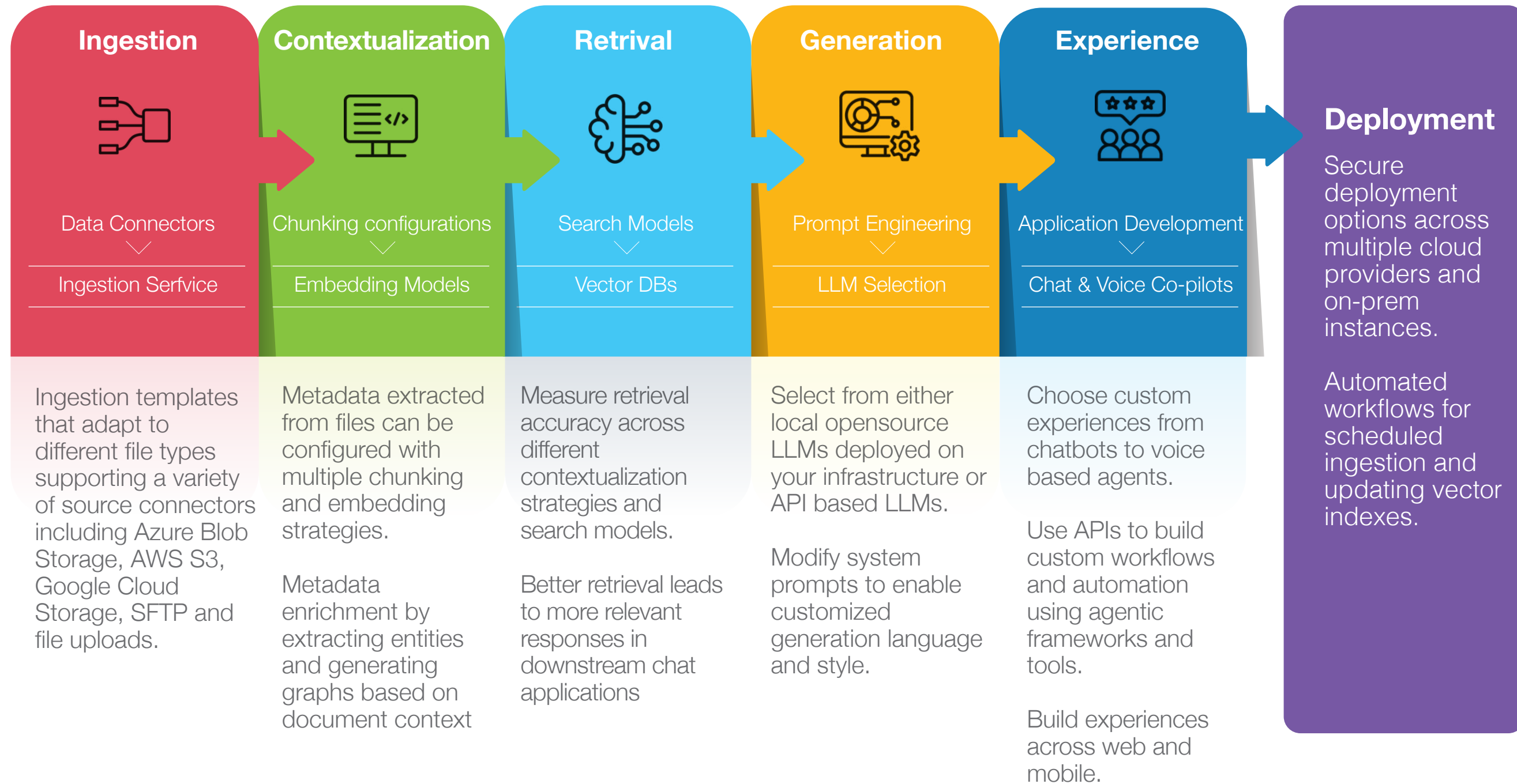
1. Large volume of unstructured files and data sources
2. Documents contain complex media
3. Search and chat applications suffer from context retrieval accuracy
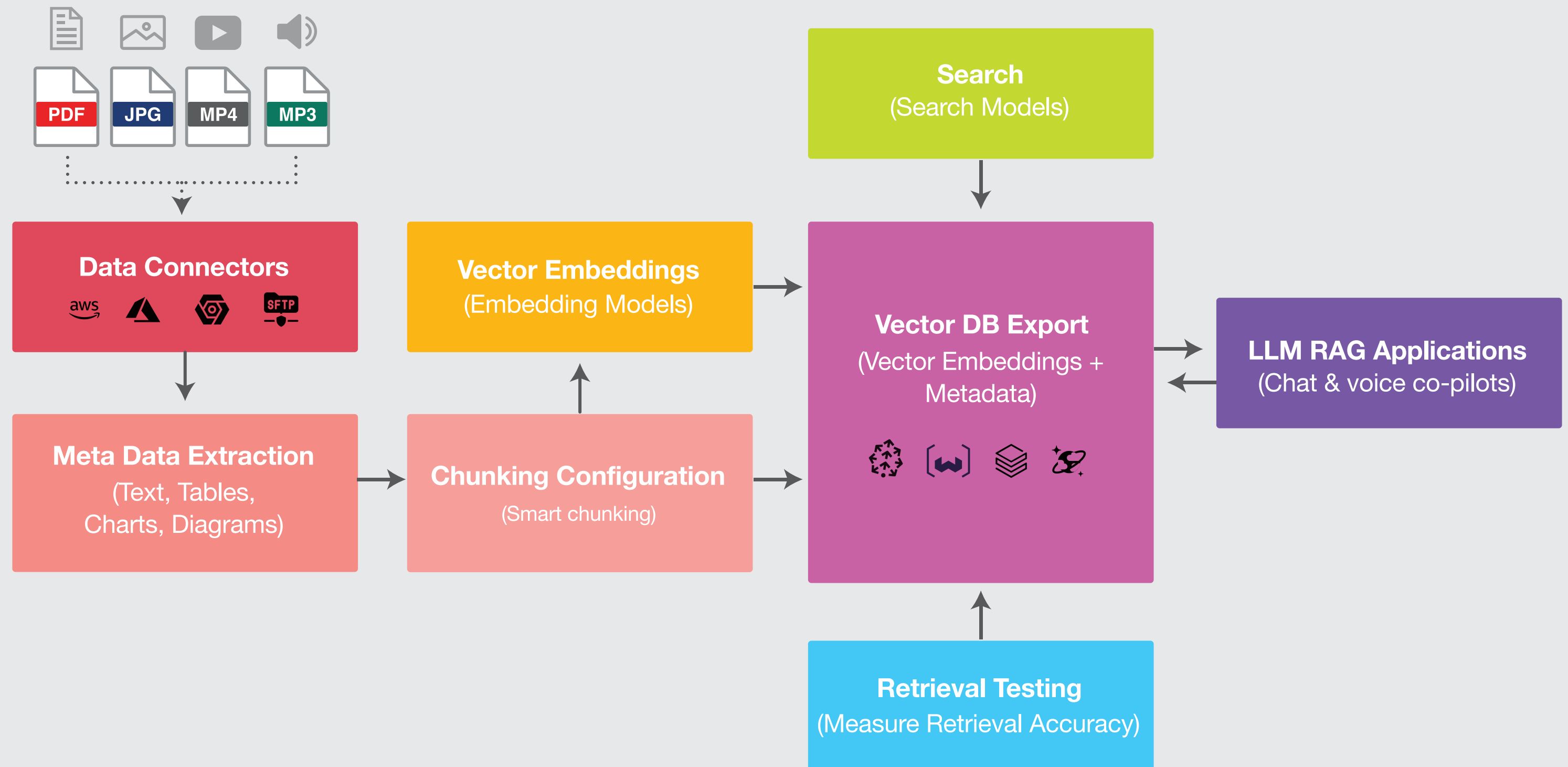
Solution

A private cloud platform that ingests your unstructured data and optimizes for retrieval accuracy:

1. Test multiple configurations to achieve desired accuracy
2. Automated workflows to export embeddings to Vector DBs
3. Scalable ingestion and processing capabilities

Benefits

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Ingestion	Contextualization	Retrieval	Generation	Experience	Deployment
Data Connectors	Chunking configurations	Search Models	Prompt Engineering	Application Development	
Ingestion Serfvice	Embedding Models	Vector DBs	LLM Selection	Chat & Voice Co-pilots	

Deployment

Secure deployment options across multiple cloud providers and on-prem instances.

Automated workflows for scheduled ingestion and updating vector indexes.

Ingestion

Ingestion templates that adapt to different file types supporting a variety of source connectors including Azure Blob Storage, AWS S3, Google Cloud Storage, SFTP and file uploads.

Contextualization

Metadata extracted from files can be configured with multiple chunking and embedding strategies.

Metadata enrichment by extracting entities and generating graphs based on document context

Retrieval

Measure retrieval accuracy across different contextualization strategies and search models.

Better retrieval leads to more relevant responses in downstream chat applications

Generation

Select from either local opensource LLMs deployed on your infrastructure or API based LLMs.

Modify system prompts to enable customized generation language and style.

Experience

Choose custom experiences from chatbots to voice based agents.

Use APIs to build custom workflows and automation using agentic frameworks and tools.

Build experiences across web and mobile.

Workflow & Features

Search
(Search Models)

Data Connectors

Vector Embeddings
(Embedding Models)

Vector DB Export
(Vector Embeddings +
Metadata)

LLM RAG Applications
(Chat & voice co-pilots)

Meta Data Extraction
(Text, Tables,
Charts, Diagrams)

Chunking Configuration
(Smart chunking)

Retrieval Testing
(Measure Retrieval Accuracy)

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Oil and Gas

Ingest drawings, maintenance manuals, asset datasheets, equipment logs to enable operations to plan projects and maintenance more efficiently.

Finance

Extract text, tables and charts from financial documents, for example invoices, P&L statements, earnings reports to uncover hidden insights for audits and market analysis.

Healthcare

Ingest medical records, reports and research to enable personalized healthcare and assisted diagnosis.

Use AMPLIFI for

Financial Services

Energy   Retail   Healthcare