Extracting Insights from 300,000+ Files Using Snowflake Cortex AI Agents

Snowflake Cortex Agents | File Ingestion Pipeline | Snowpark Container Services

At a Glance

About

A global enterprise with over 300,000 company files needed a way to extract insights quickly and accurately. Continuus, an Acuity Analytics company, built an end-to-end AI document intelligence platform on Snowflake, combining file ingestion pipelines, Cortex Agents, and Snowpark container services to transform unstructured content into accessible knowledge.

Solution

End-to-end pipeline parsing, chunking, and indexing 300,000+ files; Cortex Agents with search, analyst, and custom tools; Snowpark container services for system auditing

Outcome

Research time reduced dramatically; users extract insights from 300,000+ files in a fraction of the previous time using natural language

Problem

More Than 300,000 Unstructured Files Were Difficult to Search and Analyze

The firm's document library contained limited metadata, making it difficult to retrieve relevant content quickly. Researchers and analysts spent considerable time manually navigating the archive rather than analyzing its contents.

Existing tools could not manage the archive's volume or complexity. The firm needed a cloud-native platform capable of ingesting, indexing, and querying documents at scale.

Solution

Continuus, an Acuity Analytics company, built an end-to-end AI document intelligence platform on Snowflake, indexing 300,000+ files and enabling natural language queries through Cortex Agents with multi-tool capabilities.

- End-to-end pipeline parsing, chunking, and indexing 300,000+ files into a searchable Snowflake corpus
- Cortex Agents configured with search, analyst, and custom tools for complex multi-step queries
- Snowpark container services deployed to audit two external systems within the Snowflake environment

Outcome

Research Time Reduced Dramatically
Users now extract insights from more than 300,000 files in a fraction of the previous time, replacing hours of manual archive navigation with conversational queries powered by Cortex Agents.

300,000+ Files Made Searchable and Accessible
The end-to-end ingestion pipeline transformed an unstructured document library into a structured, indexed corpus that the organization can query in plain language.

Multi-Tool AI Capability Deployed at Scale
Cortex Agents equipped with search, analyst, and custom tools handle complex, multi-step research queries, returning synthesized answers rather than raw search results.

Operational Intelligence Extended via Snowpark Containers
Snowpark container services auditing two external systems extended the platform beyond document intelligence, enabling a unified operational view within the Snowflake environment.

Conclusion

By building an end-to-end AI document intelligence platform on Snowflake, Continuus, an Acuity Analytics company, transformed how this global enterprise accesses knowledge from its 300,000+ file archive. Cortex Agents, a robust ingestion pipeline, and Snowpark container services combine to make research faster, more accessible, and more powerful across the organization.

Get in touch to learn more.
sales@continuus.ai