

Constellation – A Governed & Unified Data & AI Estate

Spyglass MTG

Constellation Solution Summary



Spyglass Constellation

YOUR UNIFIED AI & DATA PLATFORM
FOR INNOVATION AND GROWTH



Data
Integration



Data
Engineering



Data
Science



AI
Services



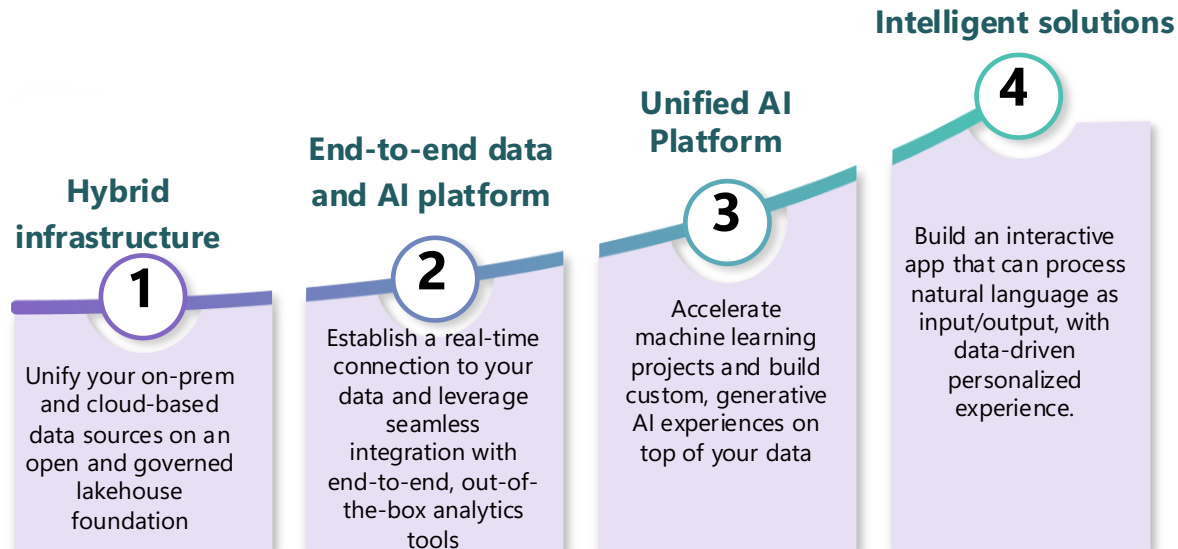
Secure & Scalable Storage



Data Governance & Security

Spyglass Constellation is your launchpad for accelerating and simplifying Data and AI transformation. By combining Spyglass' AI GENIE and Fabric LOOM, it provides a comprehensive **foundation for developing, deploying, and managing advanced AI capabilities at scale.** With its ability to unlock the full value of your data, Constellation helps organizations rapidly build and scale custom AI applications, machine learning models, Retrieval-Augmented Generation (RAG), batch RAG, and Agentic solutions.

Purpose-built for industries like **Higher Education, Health and Life Sciences, Financial Services, Insurance, Manufacturing, and Retail**, it delivers the tools, scalability, and innovation needed to thrive in today's AI-driven world. **With Spyglass Constellation, your Data and AI journey becomes simpler, smarter, and faster.**



Key Benefits



Enhance Data Insights & Discovery:

- **Unlock Hidden Value:** Leverage AI to extract deeper insights from your enterprise data.
- **Advanced Analytics:** Use custom models and RAG applications for smarter decision-making.
- **Scalable Solutions:** Adapt insights to meet growing data and business needs.
- **Governed Data Estate:** Discoverable, cataloged, domain centric, policy enforced, quality data assets.



Rapid Development of RAG & AI Applications:

- **Streamline Knowledge Retrieval:** Build RAG Apps to deliver accurate, context-aware responses using your enterprise data.
- **Seamlessly Integrate Data Sources:** Connect to diverse data repositories, including structured and unstructured data.
- **Accelerate Deployment:** Utilize pre-built frameworks and tools to reduce time and bring RAG solutions to production faster.



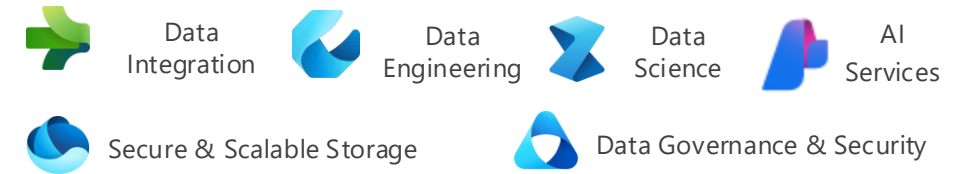
Customize machine learning models:

- **Tailor models:** Customize for predictive maintenance, fraud detection, or sentiment analysis.
- **Use Azure tools:** Develop models with Azure AI Foundry, Machine Learning, Databricks, and Fabric.
- **Train using enterprise data:** Base models on data in OneLake.

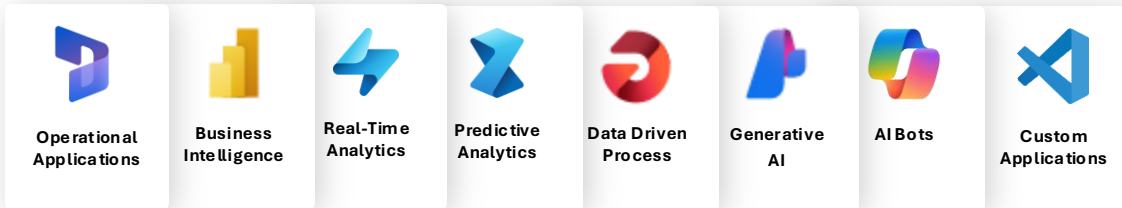


Spyglass Constellation

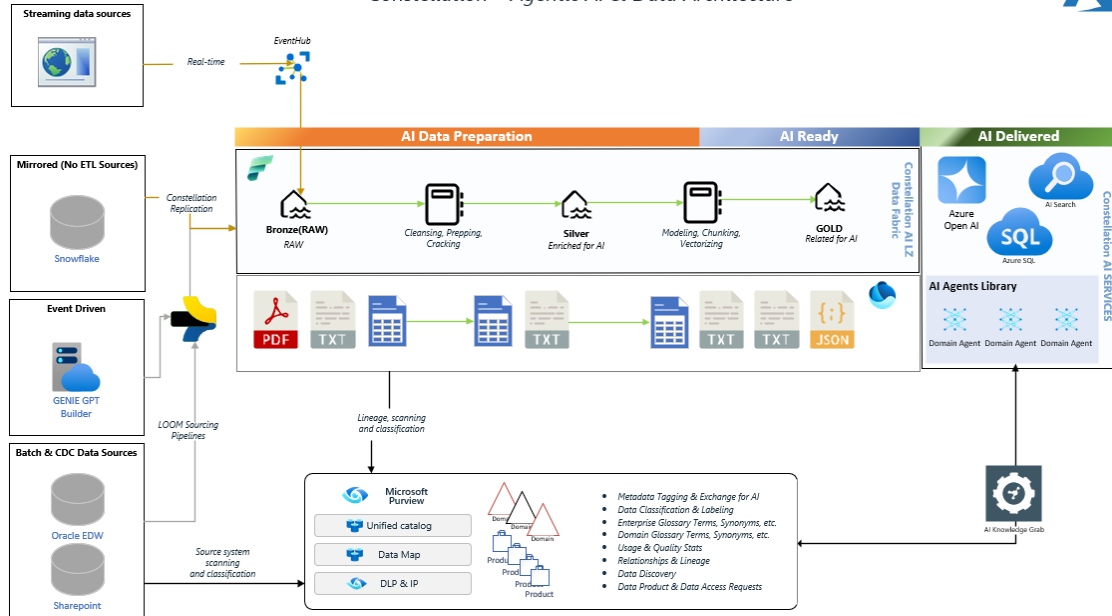
YOUR UNIFIED AI & DATA PLATFORM FOR INNOVATION AND GROWTH



Spyglass Constellation is more than just a solution accelerator—it's your **strategic partner in driving innovation**, reducing costs, and staying ahead in the ever-evolving AI landscape.



Constellation – Agentic AI & Data Architecture



Key Advantages of Spyglass Constellation

- **Accelerated Time-to-Market:** Pre-built components and seamless integration quickly develop and deploy AI, machine learning, and generative AI solutions, achieving results faster.
- **Unified Data & AI Ecosystem:** Consolidate your Data, AI, machine learning, and generative AI initiatives into a single platform with robust data orchestration, governance, and infrastructure management for complete efficiency.
- **Flexibility for Diverse AI Use Cases:** Supports a wide range of AI applications, from predictive analytics to vision, to natural language processing, empowering innovation across industries.
- **Cost Efficiency and Scalability:** Save time and resources with a pre-built solution accelerator. Spyglass Constellation scales with your organization's needs, ensuring long-term cost efficiency.
- **Data Quality, Lineage, and Compliance:** Constellation is built on Medallion principles, ensures your data pipelines maintain top standards of quality, lineage, security, and compliance throughout their lifecycle.
- **Streamlined Infrastructure Management:** Reduce complexity with pre-configured infrastructure provisioning and orchestration, allowing your teams to focus on innovation rather than operational overhead.
- **Future-Ready Foundation:** With a robust and flexible base for future AI growth, Constellation enables your organization to adapt quickly to evolving technologies and market demands.
- **Security and Governance at the Core:** Spyglass Constellation prioritizes security and governance, giving you peace of mind that your AI initiatives meet enterprise-grade standards for data protection, data governance, and compliance across people, process, and technology.

Spyglass Constellation Implementation

16-20 Weeks @\$500k

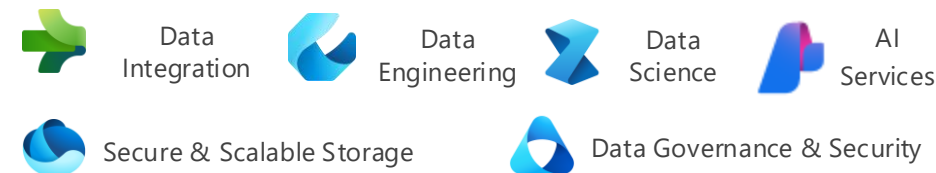
Spyglass' Constellation Implementation is a \$500k launchpad for accelerating and simplifying Data and AI transformation. We combine Spyglass' AI GENIE, Fabric LOOM and Purview it to deploy a comprehensive foundation for advanced AI capabilities in 16-20 weeks!!

With its ability to unlock the full value of your data, **Constellation helps organizations rapidly build governed and scalable custom AI applications, machine learning models, Retrieval-Augmented Generation (RAG), batch RAG, and Agentic solutions.**

Scope Summary:

Spyglass will deliver a complete AI driven solution in 16-20 weeks:

- AI Landing Zone
- Data Landing Zone
- Data Governance Landing Zone
 - MetaData creation: addition of new terms, tags, labels, lineage, and classifications to get more out of the data
 - Data Governed: Catalogs, Domains, Products, glossaries, policies, and Quality enforced.
- Agentic AI App for Structured and Unstructured data assets



Deliverables & Timeline

Key Deliverables:

- Assessment documents
- Design documents
- Knowledge transfer documents
- Constellation Operations guide
- Constellation Maintenance guide
- Developers SDK Guide and Example code
- Working Data, Governance & AI Landing zone for non-production
- Working Data, Governance & AI Landing zone for production
- Working Agentic AI chat application in non-production
- Working Agentic AI chat application in production
- Self Service GPT builder

Timeline

Phase 1: Design and deliver data model, analytical solution, data product, or AI service to meet business needs, including defining key metrics and success criteria. Begin to establish requirements and controls for Data Governance.

Phase 2: Utilize Fabric LOOM & AI GENIE to automate data integration and AI use-cases with deliverables including code repositories and a fully functional Constellation architecture. Deploy Purview MVP based on Phase 1.

Phase 3: Monitor and optimize performance, reliability, and scalability of data pipeline, product, and service, providing education and documentation for management and maintenance, with deliverables including performance, reliability, and scalability reports, educational sessions, and deployment guide. Populate meta data and data products to build unified data catalog.

Thank you!