

## Promethium Instant Data Fabric for Rapid Data Product Creation

Empower data teams to build data products 100x faster in a single, AI-powered workflow

Companies are adopting data products as a more agile and effective way to manage and derive value from their data. While traditional methods are manual, complex, and time-consuming, Promethium enables an end-to-end workflow that allows users to connect, discover, access and analyze data in a single workflow. With a unified, AI-powered platform, Promethium streamlines the process to build and share data products – accelerating insights, fostering collaboration, and ensuring robust governance throughout the data lifecycle.

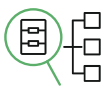
### Key Benefits

#### Accelerated Time-to-Value



Promethium's unified platform eliminates traditional bottlenecks by allowing users to create data products end-to-end without switching tools, reducing development time and delivering faster insights. With Promethium, data teams can build data products 100x faster.

#### Seamless Integration Across Data Sources



Promethium connects to all your data sources, whether on-premise, cloud, and multi-cloud environments – and across structured, semi-structured, and un-structured data – without the need for data movement. This unified view simplifies data integration and eliminates silos.

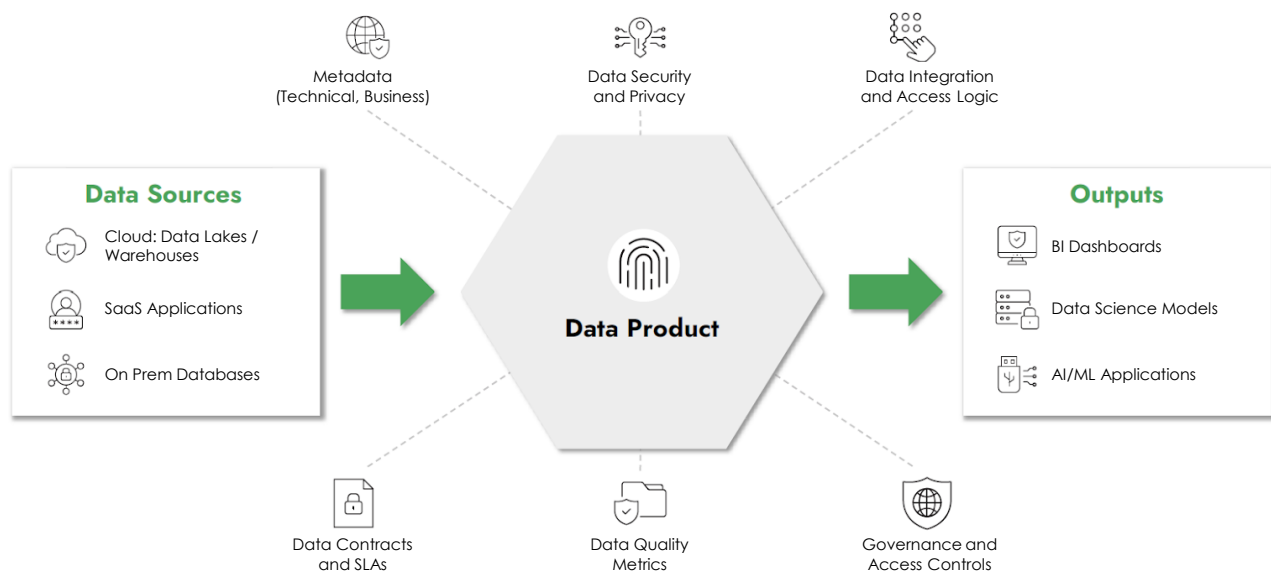
#### Embedded Governance and Compliance



Data products built with Promethium adhere to enterprise-grade security and governance throughout their lifecycle, ensuring compliance and trust. Promethium provides full explainability of AI-generated results, offering transparency and building user trust in outcomes.

## Defining Data Products and Their Value

Data products have emerged as critical assets for organizations seeking to transform raw data into actionable insights. Unlike raw datasets or static reports, data products are refined, consumable outputs that empower business intelligence, data science, and AI/ML applications. By integrating data, metadata, semantics, and user-friendly interfaces, they offer a holistic approach to data-driven decision-making and innovation.



### Data Sources

Foundational raw data collected from data lakes, SaaS applications, and on-premise databases. The diversity and quality of these sources directly impact the value of the data product.

### Metadata

Provides essential context, including technical details such as data origins, formats, schemas, and lineage, as well as business definitions, rules, and metrics. This ensures transparency, traceability, and accurate interpretation across the organization.

### Data Security and Privacy

Encompasses policies and mechanisms to protect data against unauthorized access, including encryption, access controls, and anonymization to maintain trust and regulatory compliance.

### Data Integration and Access Logic

Integrates and transforms data from diverse sources through ETL processes, federated queries, real-time data integration, and APIs, enabling efficient and timely data access for end-users.

**Data Contracts and SLAs**

Formal agreements defining data delivery expectations, structure, quality, performance, and responsibilities between data producers and consumers.

**Data Quality Metrics**

Measures of data accuracy, completeness, consistency, timeliness, and validity, ensuring data products meet high standards for decision-making reliability.

**Governance and Access Control**

Policies and roles governing data product management, access, and usage, including data stewardship and compliance with organizational and regulatory standards.

**Benefits of a Data Product Approach**

By transforming raw data into pre-curated, easily consumable insights, data products bridge the gap between data and actionable outcomes. This approach drives better decisions, operational efficiencies, and competitive advantages, making data products indispensable in the modern enterprise landscape.

**Enhanced Decision-Making**

Data products provide clear, accurate, and timely insights that empower better business decisions.

**Operational Efficiency**

Streamlines processes and reduces the effort needed to access and analyze data, boosting productivity.

**Accelerated Growth Opportunities**

Unlocks new revenue streams through data monetization and value-added services.

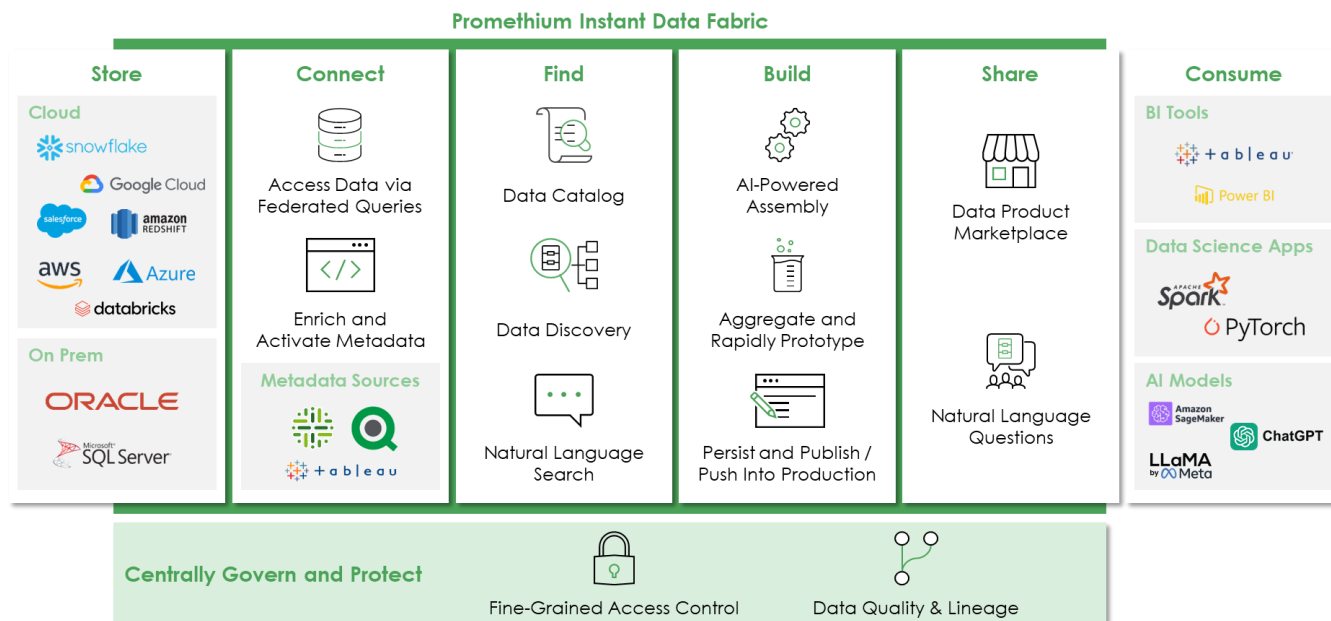
**Innovation and Competitive Edge**

Enables organizations to optimize operations, identify new opportunities, and stay ahead of competitors.

**Data-Driven Culture**

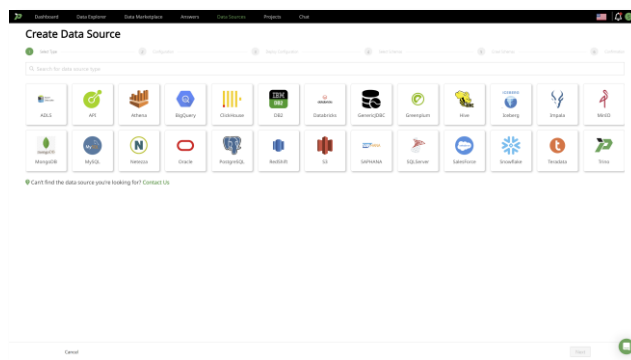
Promotes a culture of data-driven decision-making, reducing reliance on intuition and encouraging evidence-based strategies.

## Building Data Products With Promethium



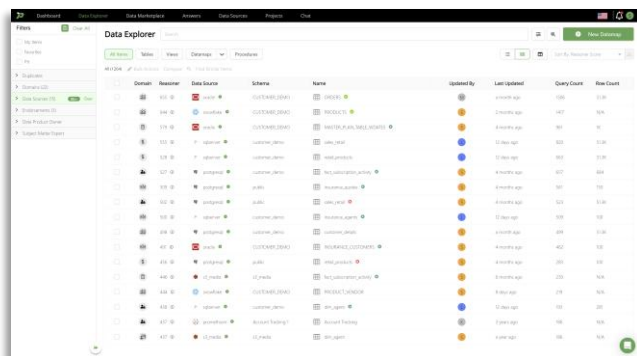
## Connect: Seamless Real-Time Data Access

Promethium enables instant access to all data – whether in the cloud, on-premises, or hybrid environments – without moving it. By creating a unified data layer and using federated queries, users can connect seamlessly and gain real-time insights. Active metadata enriches this process, providing essential context and making data discovery simpler.

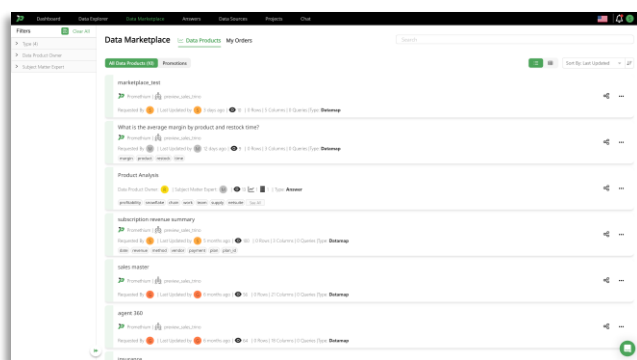
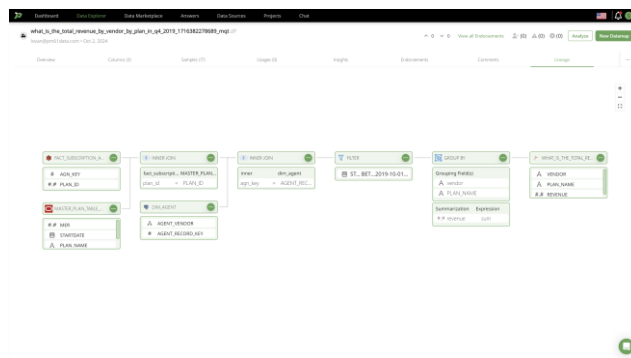


## Find: Break Down Data Silos with AI

Finding relevant data quickly is critical for decision-making. Prometheus breaks down data silos through AI-driven discovery and a centralized data catalog. By leveraging natural language search and active metadata, users can effortlessly locate and understand data across the organization, making it accessible and actionable for both technical and non-technical users.

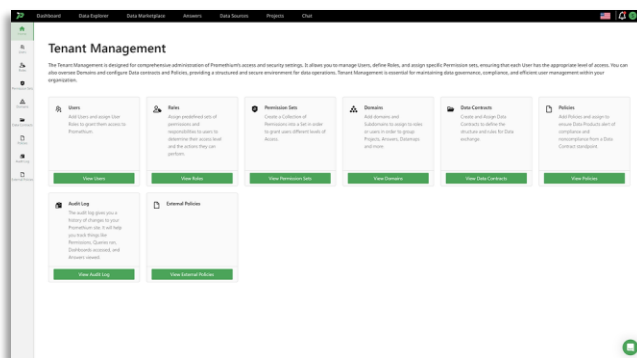
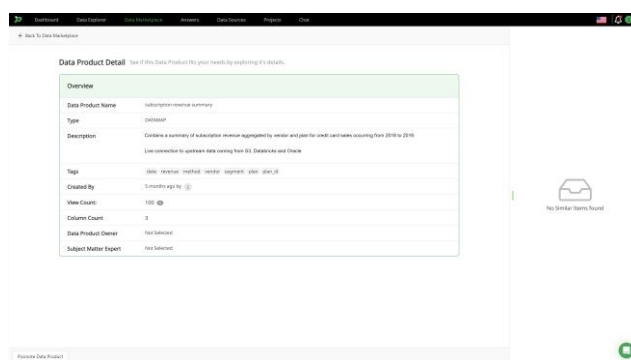


With Prometheus, building data products becomes fast, intuitive, and collaborative. Teams can create data products in a self-service workflow that maintains human oversight and full explainability of AI. This approach ensures data products are not only quickly assembled but also trusted and explainable, empowering users to derive meaningful insights without waiting for data provisioning support.



Sharing insights and data products securely is key to fostering collaboration. Promethium provides a governed marketplace for distributing data products internally or externally, with data contracts enforcing security and compliance. This ensures that every shared data asset remains trusted, well-managed, and aligned with organizational standards.

Promethium allows users to consume data products through familiar methods, including BI tools, data science applications, and AI/ML models. This ensures that existing workflows are maintained and enhanced, enabling seamless integration of insights into day-to-day operations, analytics, and advanced modeling.



Promethium embeds governance into every step of the workflow, balancing speed and control. Centralized access control (RBAC and FGAC), end-to-end data lineage, and the ability to interact with data in place ensure compliance, security, and transparency without compromising agility.



## Providing Relevant Context to Make Gen AI Work

Data products play a pivotal role in enhancing the accuracy, relevance, and effectiveness of LLMs by providing structured data, enriched metadata, and contextual relationships. This context can be a crucial enabler for LLMs to generate more precise, meaningful, and actionable outputs tailored to organizational needs.



### Structured Data Aggregation

Data products combine and organize data from multiple sources, offering a comprehensive view that LLMs can leverage for more relevant responses. This structured approach ensures consistency and reliability.



### Enriched Metadata

Data products contain valuable metadata, such as data lineage, business context, and quality indicators. This information enhances LLM understanding and aligns outputs with enterprise-specific terminology.



### Contextual Relationships

By revealing connections and relationships between data points, data products provide LLMs with the context needed to generate more accurate and actionable insights.



### Real-Time Data Access

Data products facilitate access to up-to-date data, ensuring LLM responses are based on the latest available information depending on the requirements of the business case.



### Governance and Security

Data products enforce enterprise-level governance and security, ensuring LLMs operate within established data usage policies and guidelines, maintaining data integrity and trust.

Without data products, LLMs may suffer from limited context, data silos, and inconsistent information retrieval, leading to suboptimal outcomes. By leveraging data products, organizations can ensure that LLMs are equipped with accurate, relevant, and contextual data, ultimately enhancing their ability to deliver valuable insights.

## What Others Have to Say



*"Promethium provides a platform for creating a data-fabric-style architecture, which also **automates data product creation via business-led data products.***

*Promethium includes a broad range of features, including data pipelines for more than 200 supported sources, data modeling, automated data cataloging, active metadata management, data preparation, AI- or ML-based automation and visualization."*



*"Promethium gives us the ability to answer the questions of our business users with real time responses."*



*"In short, the tool is really useful, easy to use. The ability to just ask a question and get the answer is like MAGIC."*



*"Promethium lets non-technical users find and build answers without worrying about performance or cost."*

