

Open Metadata

AI Driven Automation in Open-Source Metadata Platforms

Embedding an MCP Server

Agenda

- Introducing OpenMetadata
- AI Agents need for Context & MCP Servers
- AI-driven governance with OpenMetadata MCP Server
- Demo

Open Metadata



42TB DL
100TB DW

200 GB
new data
daily volume

9 million
new records of
package's tracking/day

~100
ETL Jobs
The **midnight** job processes almost 500 hundred tables in 8 hours

9,4k
tables

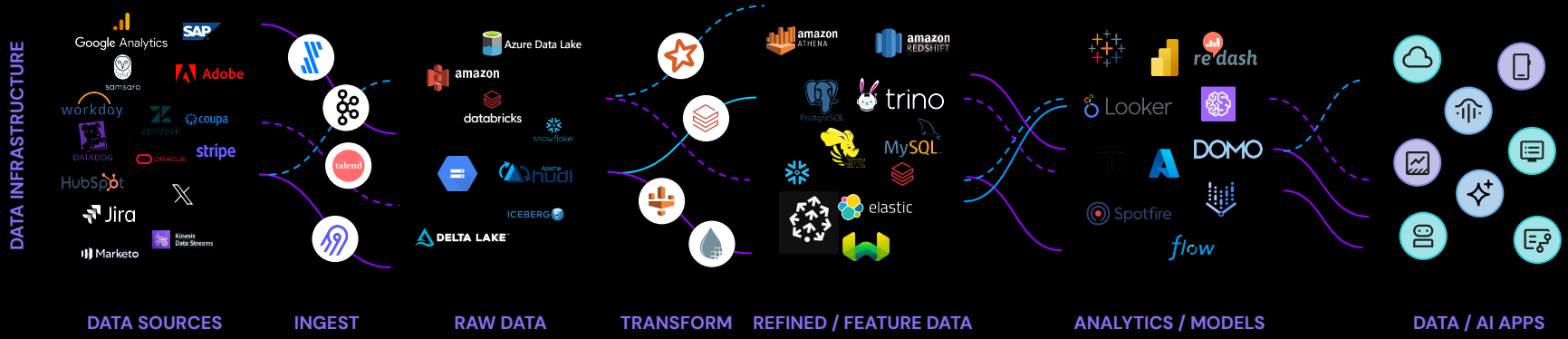
776
Looker users

~1,8k
Looker Dashboards

2,5 hours/day
Average daily usage

Open Metadata

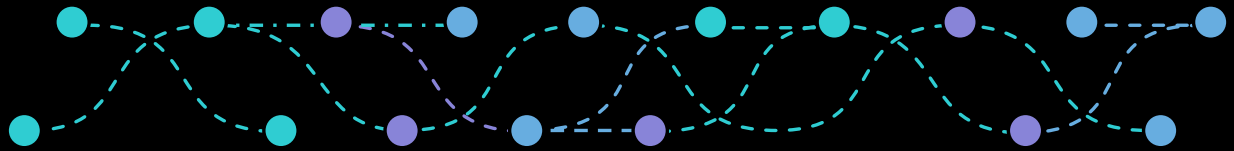
Data complexity is growing



Open Metadata

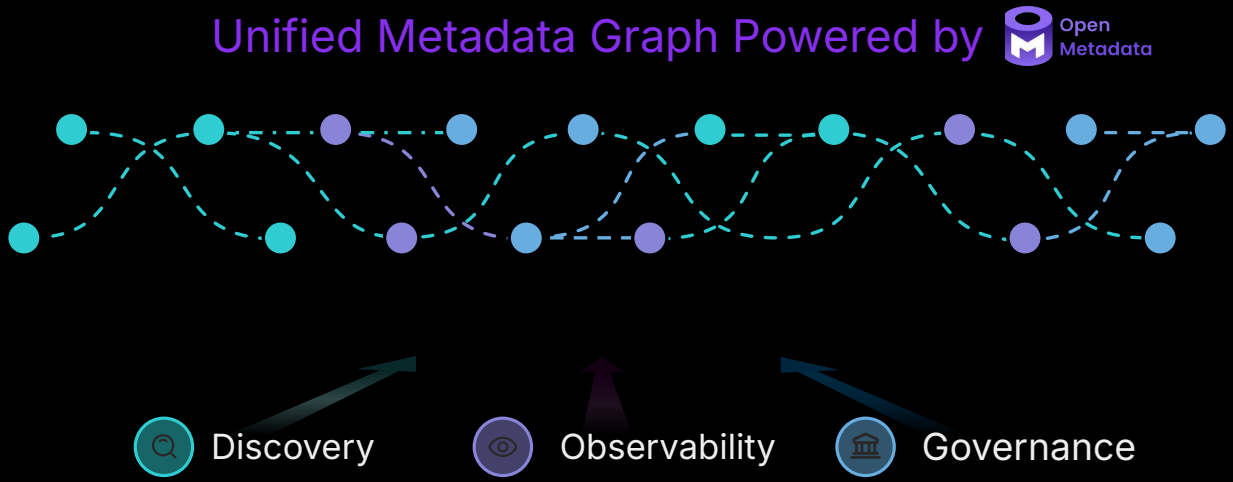
All your metadata: collected and standardized

Unified Metadata Graph Powered by Open Metadata



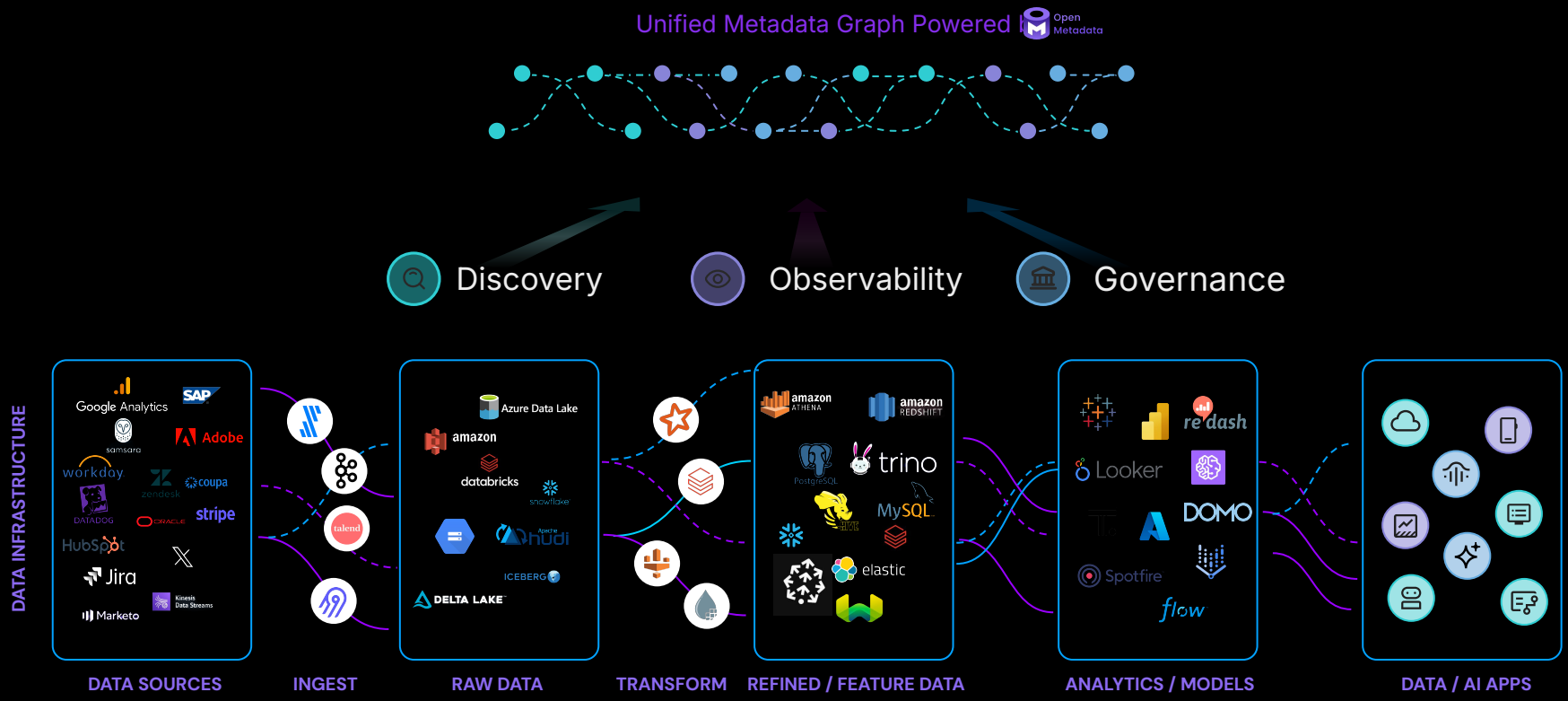
Open Metadata

All your metadata: collected and standardized



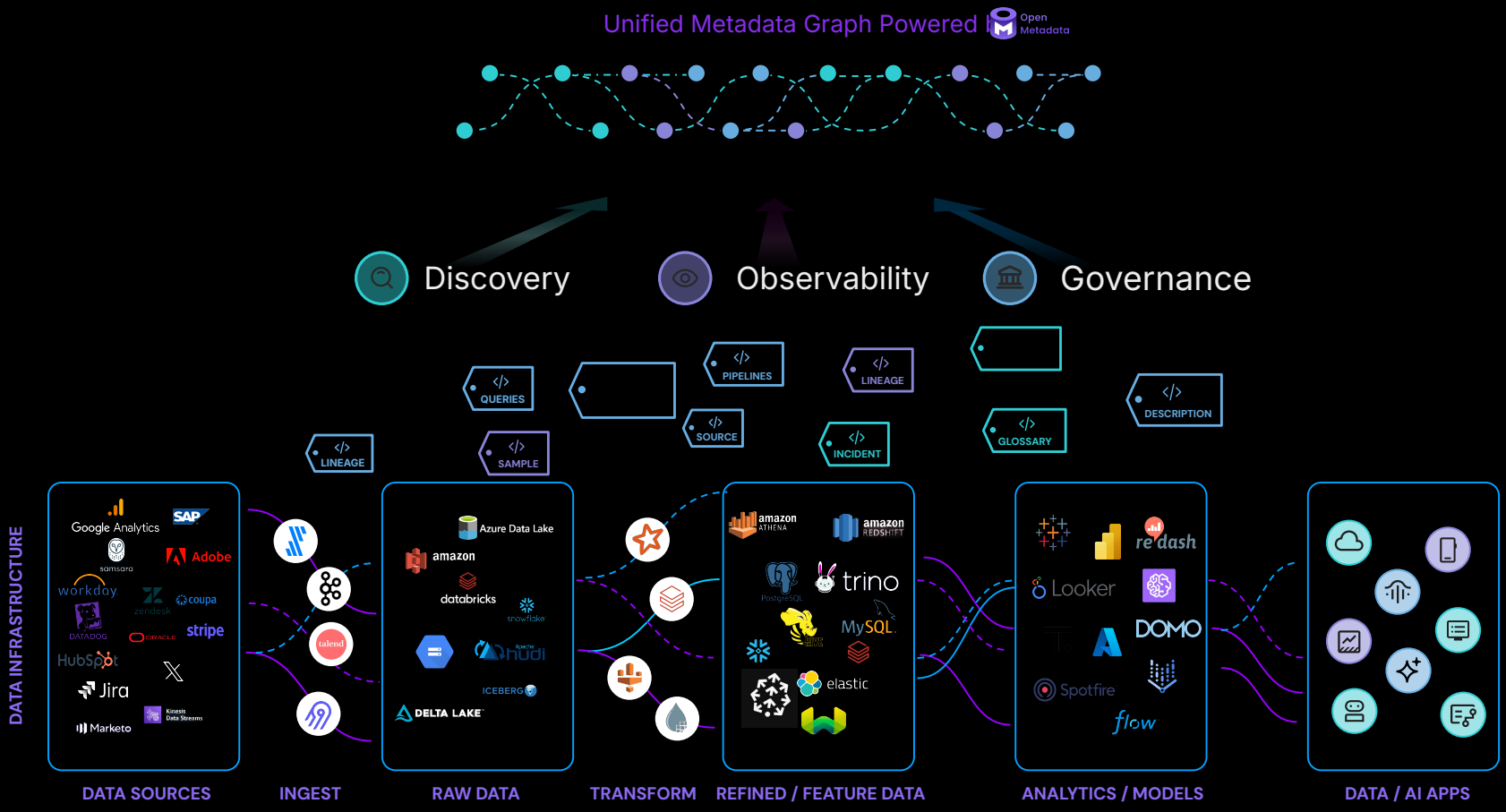
Open Metadata

All your metadata: collected and standardized



Open Metadata

All your metadata: collected and standardized



Data contextualized for every user



Open Metadata

Data contextualized for every user and every agent



Open Metadata

Data contextualized for every user and every agent



Workflows for everyone
deliver high quality outcomes efficiently

Breakdown data silos
comprehensive context of data

100+ integrations
with leading data platforms & tools

Open Metadata

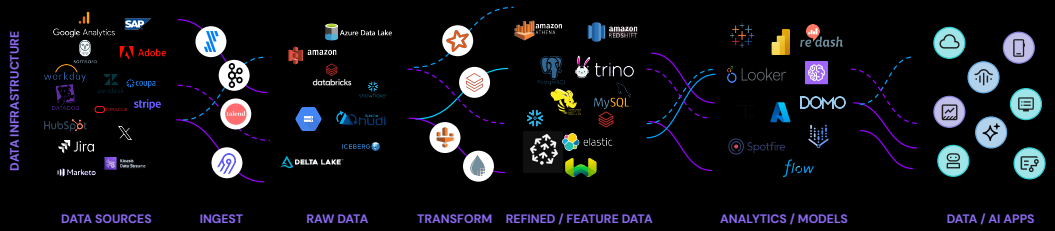
Data contextualized for every user and every agent



Unified Experience

Discovery | Observability | Governance

Unified Metadata Graph Powered by Open Metadata



Workflows for everyone

deliver high quality outcomes efficiently

Breakdown data silos

comprehensive context of data

100+ integrations

with leading data platforms & tools

Open Metadata



Loggi transforms data for more efficient and reliable deliveries with Open Metadata

Open Metadata



30% faster ETL pipelines

89% fewer Looker dashboards

7,000 Redshift tables dropped

$2,000+ savings per month

Loggi

Loggi transforms data for more efficient and reliable deliveries with Open Metadata

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$2,000+ savings per month



OpenMetadata has been useful since day one in the company. Everyone claimed it was difficult to find tables for specific information needed, or even to know who they could reach out to in order to get more information. Now, all our data components are in one place and our users have been giving good feedback about the experience.

Open Metadata

11,000+
Community members

2,000+
Enterprise deployments

7,800+
GitHub stars

370+
Open-source contributors

100+
Data connectors

https://slack.open-metadata.org/

https://github.com/open-metadata/OpenMetadata

Model Context Protocol - MCP

Give agents context to make the right decisions

Standardizes the agent<>tool interface

Conversational interface for every technical tool

Open Metadata

OpenMetadata MCP Server



Out-of-the-box deployment

Open Metadata

OpenMetadata MCP Server



Out-of-the-box deployment



Exposing functional tools not an API wrapper

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OpenMetadata MCP Server



Out-of-the-box deployment



Exposing functional tools not an API wrapper



Native authentication & authorization

Open Metadata

OpenMetadata MCP Server Use Cases

Murat Migdisoglu, Data Architect & Open Metadata contributor

Automate changes up and down a data stack

Aimen Denche, Data Engineer @ NW Réussir la transition énergétique

Combining with other MCP servers

Open Metadata

demo

Announcement

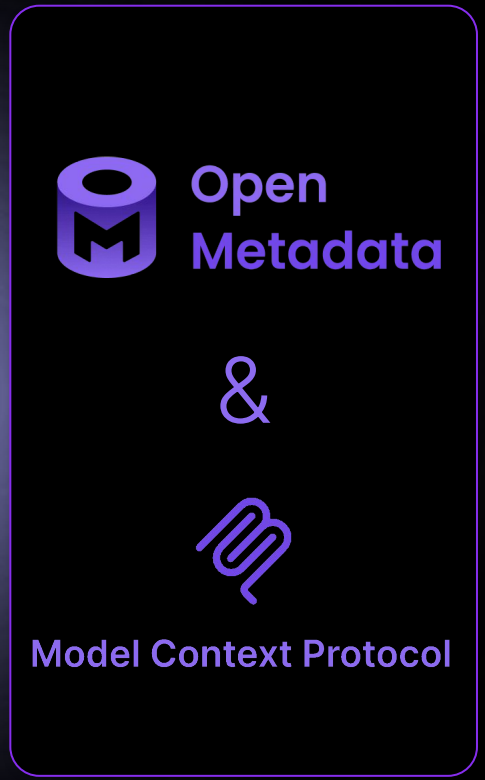


Open Metadata

Review


Open
Metadata


Model Context Protocol


Open
Metadata
&
Model Context Protocol

Q&A

Open Metadata

Thank you



Star us on GitHub

https://github.com/open-metadata/OpenMetadata



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