
Compete Hack Hours

AI/BI in Motion: How Databricks Genie Transforms Analytics

*Plus, a Cross-Platform Comparison with Fabric
Data Agent*



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Presented By EPS Americas Compete Team

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Agenda

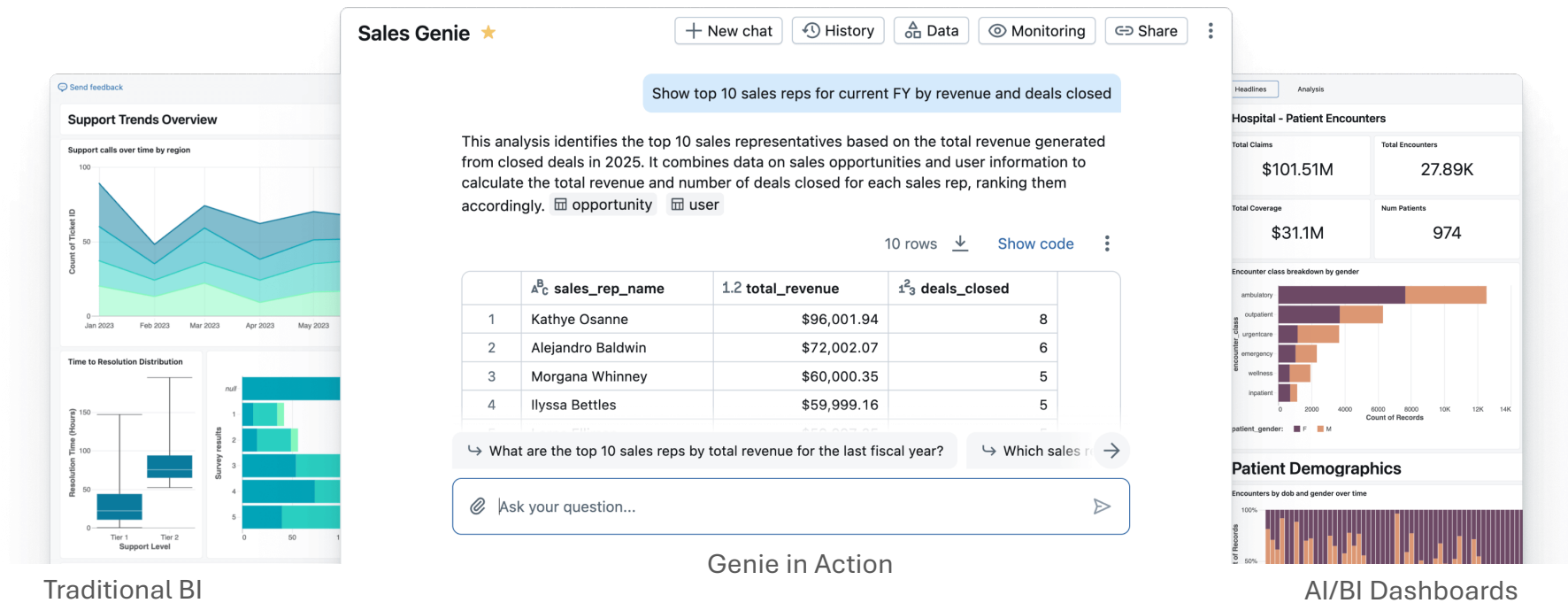
- Welcome & Kickoff
 - From BI → AI/BI vision
- AI/BI in Databricks
 - What it is + Dashboard demo
- Databricks Genie
 - Conversational analytics + demo
- Cross-Platform View
 - Genie (BI insights) vs. Fabric Data Agent (data exploration)
- Resources

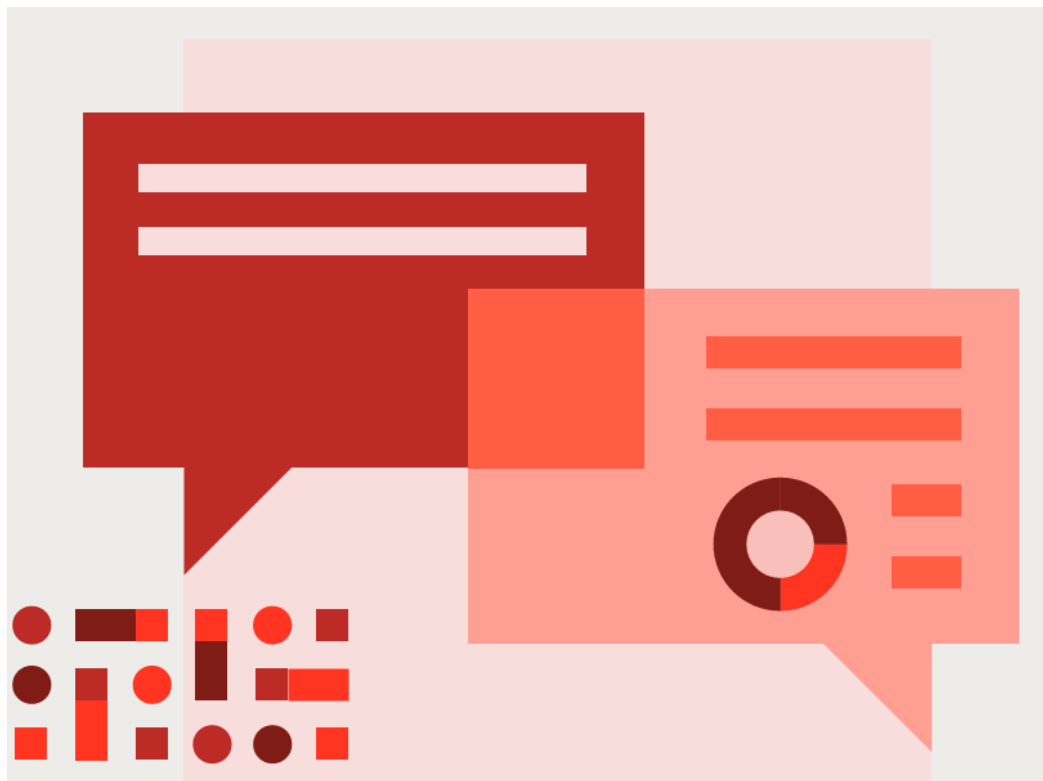


Repo →

From BI → AI/BI Vision



- **Traditional BI:** static dashboards, rigid setups, specialist skills needed
- **AI/BI shift:** conversational, adaptive, powered by compound AI for deeper insights






What is AI/BI in Databricks?

✓ **Experiences:**

 +  **Dashboards** → AI-powered, low-code visualization

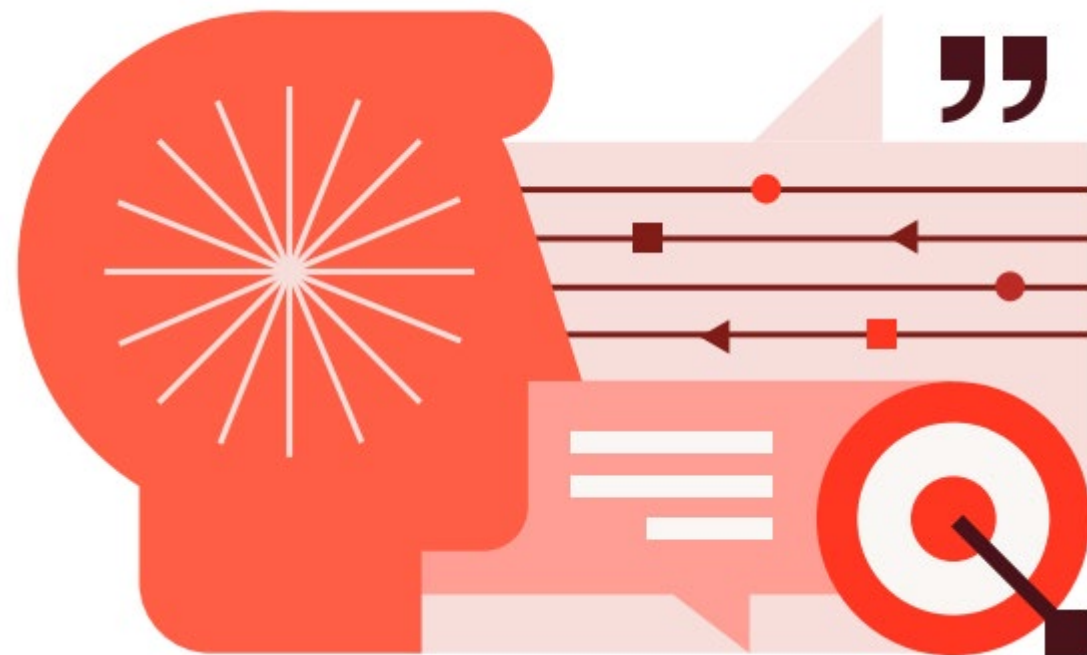
 **Genie** → Conversational interface for governed insights

✓ **Governed:** Built on Unity Catalog, no extracts needed

✓ **Compound AI:** Learns from pipelines, queries, lineage

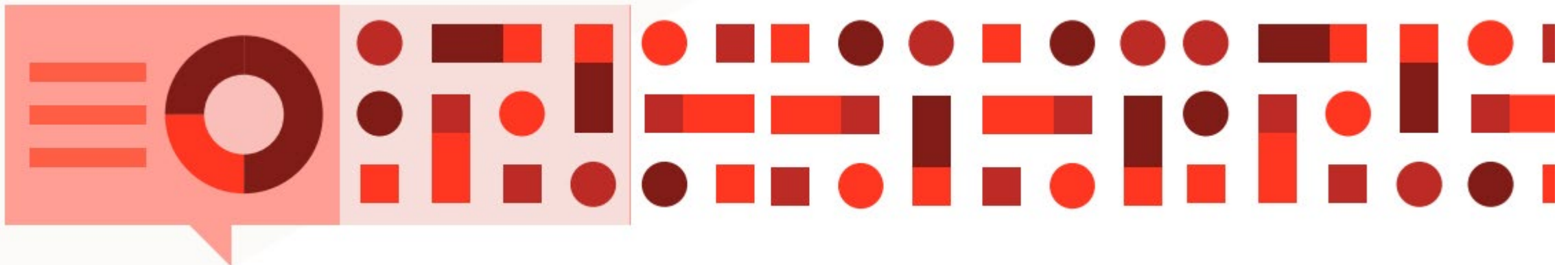


Demo



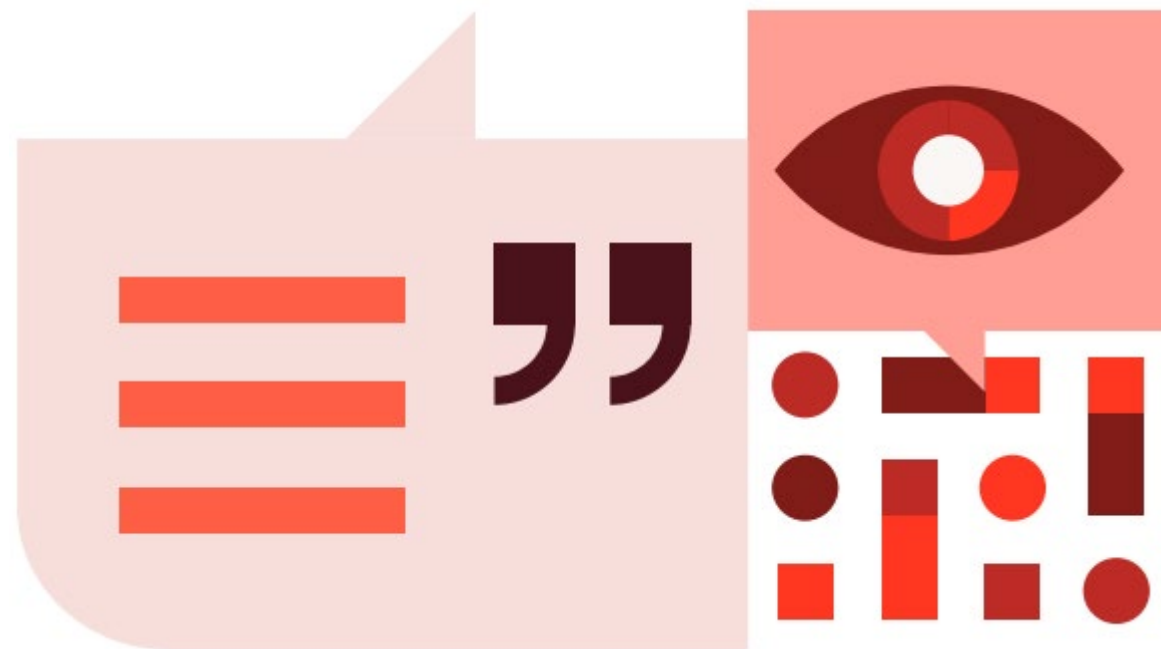
Databricks Genie: Conversational Analytics

-
- **Natural language** → answers & visuals (chat with your data)
 - **Clarifies & learns:** disambiguates questions and improves with feedback
 - **Trusted & governed:** uses trusted assets, honors Unity Catalog permissions
 - **Great beyond dashboards:** handles ad-hoc questions not covered by fixed charts





Demo



Cross-Platform View: Genie vs. Fabric Data Agent



Genie vs. Fabric Data Agent



Fabric Data Agent

Primary goal

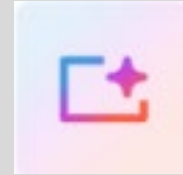
- ✓ Conversational Q&A for data in Fabric (data exploration).

Data sources

- ✓ OneLake: lakehouses, warehouses, Power BI semantic models, and KQL databases.

Where it runs

- ✓ Microsoft Fabric chat; can also be exposed via Azure AI Foundry or Copilot Studio.



Genie

Primary goal

- ✓ Conversational BI insights on governed data.

Data sources

- ✓ Trusted assets under Unity Catalog, queried via SQL Warehouses.

Where it runs

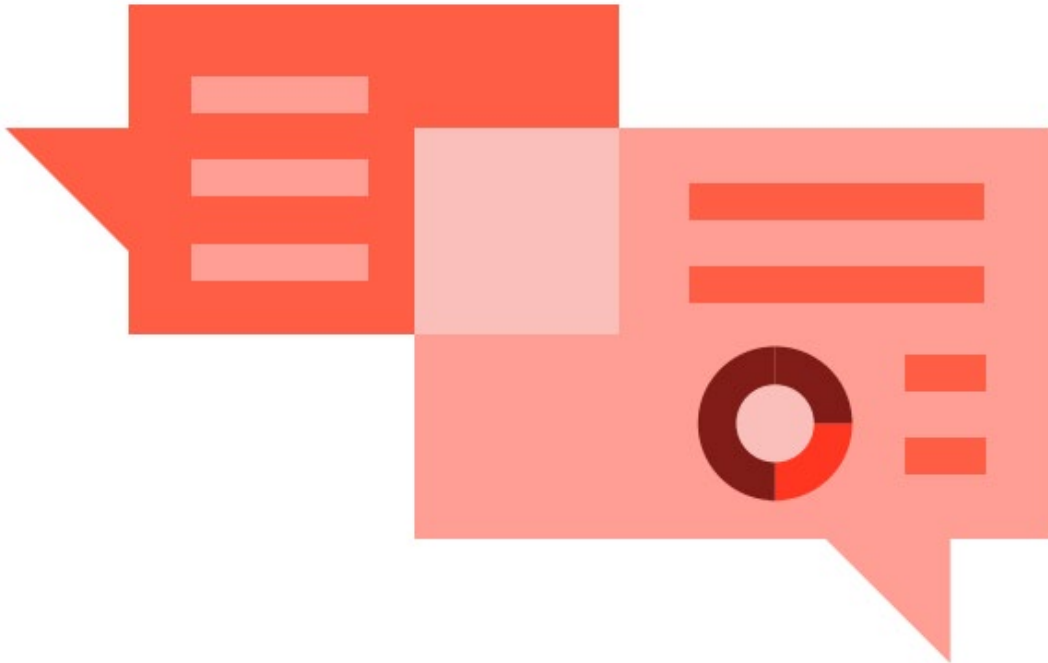
- ✓ Inside Databricks AI/BI; open a Genie space or from dashboards.



Demo



Resources



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- **Databricks AI/BI**
<https://learn.microsoft.com/en-us/azure/databricks/ai-bi/>
 - **Databricks Dashboards**
<https://learn.microsoft.com/en-us/azure/databricks/dashboards/>
 - **Databricks Genie**
<https://learn.microsoft.com/en-us/azure/databricks/genie/>
 - **Microsoft Fabric Data Agent**
<https://learn.microsoft.com/en-us/fabric/data-science/concept-data-agent>
 - **Unity Catalog Docs**
<https://learn.microsoft.com/azure/databricks/data-governance/unity-catalog/>
 - **Fabric Lakehouse Docs**
<https://learn.microsoft.com/fabric/data-engineering/lakehouse-overview>



Q & A

