



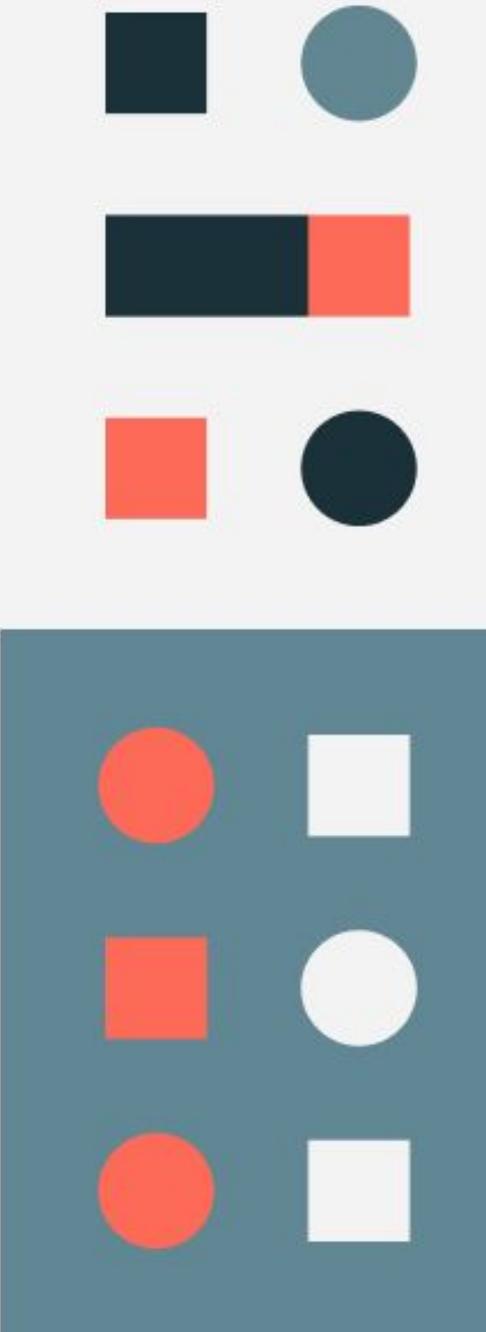
Webinar

Partner Tech Talk Series

Exclusive for Databricks Partners

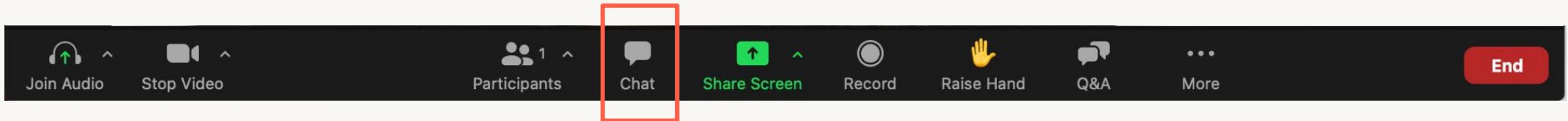
Well-Architected Lakehouse

The broadcast will start at 8:02 am PT



Housekeeping Details

- We want to make this interactive! Please enter questions in the chat box



- From there, we will take questions live at the end
- The recording and slides will be sent to you via email

Today's Agenda

- Introducing New Partner Champions
- Partner Spotlight
- Keynote: Well-Architected Lakehouse
- Live Q&A
- Wrap Up

Partner Champions

Ketan Ganatra
Solution Architect



Databricks Partner Champions

- Demonstrate excellence and commitment to Databricks
- Showcase community leadership
- Databricks appreciates you!

Contact your CoE Lead or Partner Solution Architect
to become a Champion

Congratulations to new Champions!

Count	Partner
1	Capco
1	Cegeka
1	Data-Dynamics
1	Diggibyte
1	Element61
1	Hitachi Solutions

Count	Partner
1	Koantek
1	NTT Data
1	X-Insight
2	Datasentics
2	Deloitte
2	PWC
2	Wipro



Congratulations to new Champions!

Count	Partner
3	LTI Mindtree
3	Avanade
3	Cloocus
3	Devoteam

Count	Partner
4	Delaware
5	Cognizant
5	EY
7	Redkite



Partner Spotlight

Ketan Ganatra
Solution Architect

The new paradigm for enterprise data and AI

slalom

databricks

Microsoft



New Whitepaper:

How Azure Databricks'
unified AI and data platform
is purpose-built for GenAI

[Link](#)

New Brickbuilder Solution:
Migration Factory by Perficient

[Link](#)

Migration solutions developed
by leading consulting partners



Well Architected Lakehouse

Dr. Bernhard Walter
Principal Product Specialist for Architecture



Four questions



What is the scope of the Databricks Lakehouse?



What is the vision for the Lakehouse?



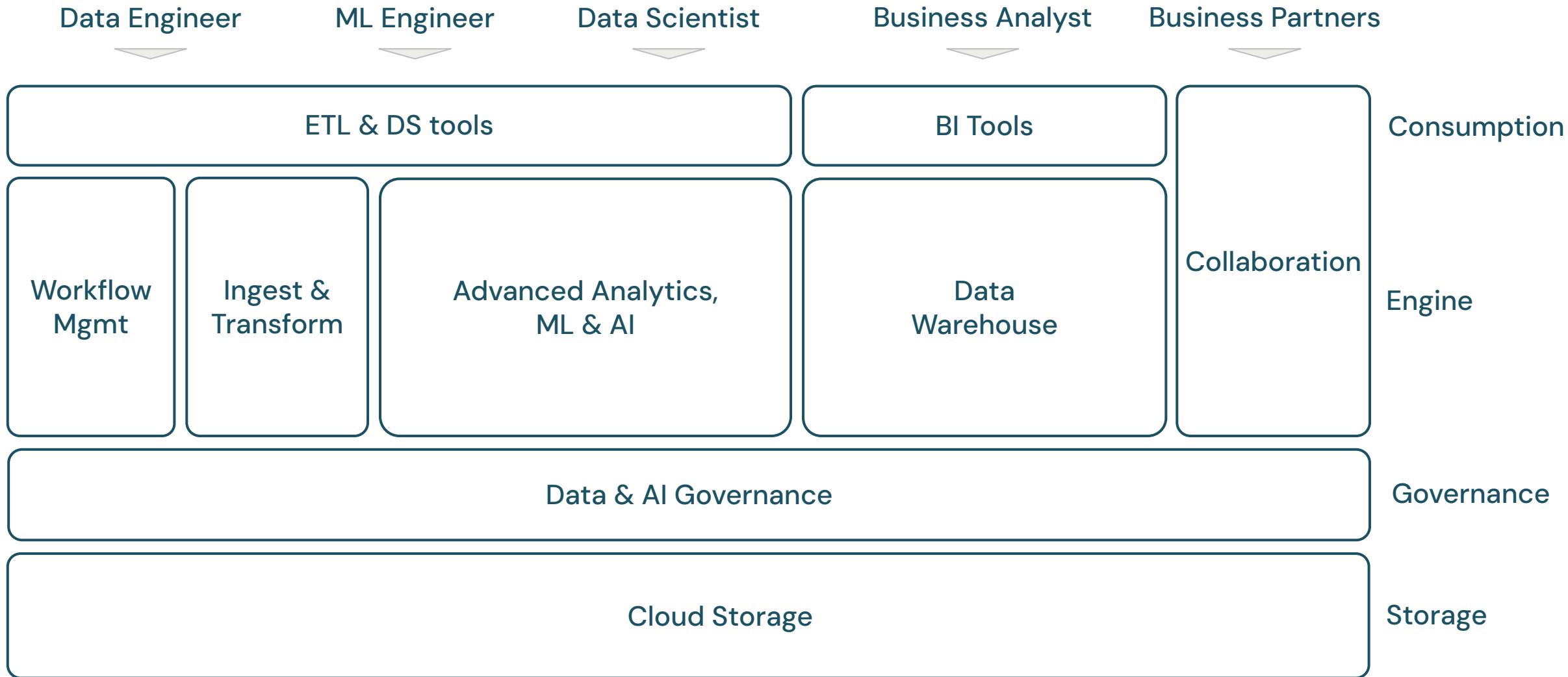
How does the Lakehouse integrate into the cloud architecture?



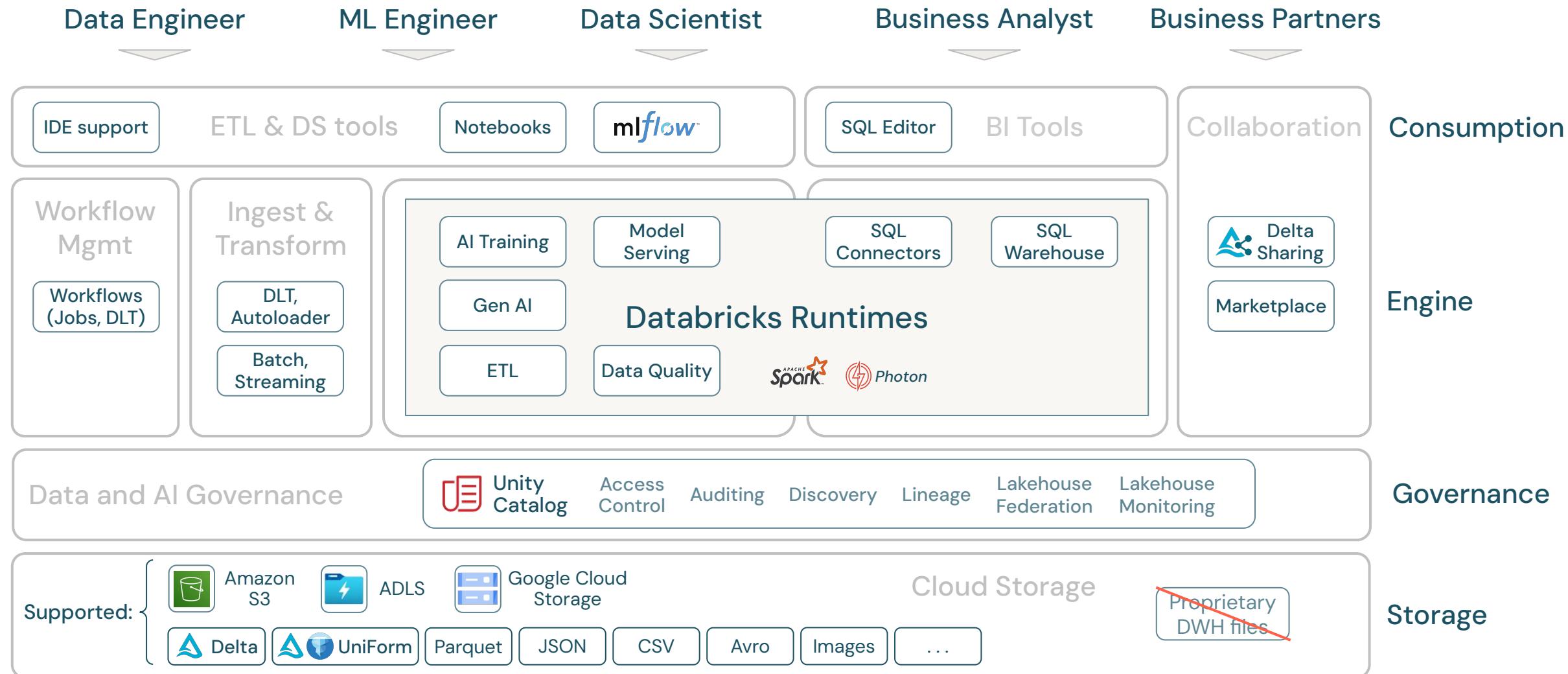
And, what is a “good” Lakehouse?

What is the scope of the Databricks Lakehouse?

Modern Data Stack – Framework



Modern Data Stack – Framework



Lakehouse AI

State of the art AI capabilities ...

Lakehouse AI

MLOps + LLMOps

- Move Code, Data, and Models between development and production
- Manage Models, Features, Experiments

Prepare Data

- Discover & Transform Structured Data into Features
- Chunk & Create Embeddings from Unstructured Data

Develop & Evaluate AI

- Train and Test Algorithms
- Fine-Tune & Prompt Engineer Models
- Create GenAI agents & tools
- Chain together assets
- Evaluate Experiments

Serve AI

- Low Latency Model Serving
- Log Model Requests/ Responses

Serve Data

- Low Latency Feature Serving & Feature Transformations
- Query Embeddings in Vector DB

Data & AI Governance

- Manage security & permissions
- Track model lineage
- Data monitoring
- AI monitoring (Evaluate model accuracy to maintain quality)

Cloud Storage

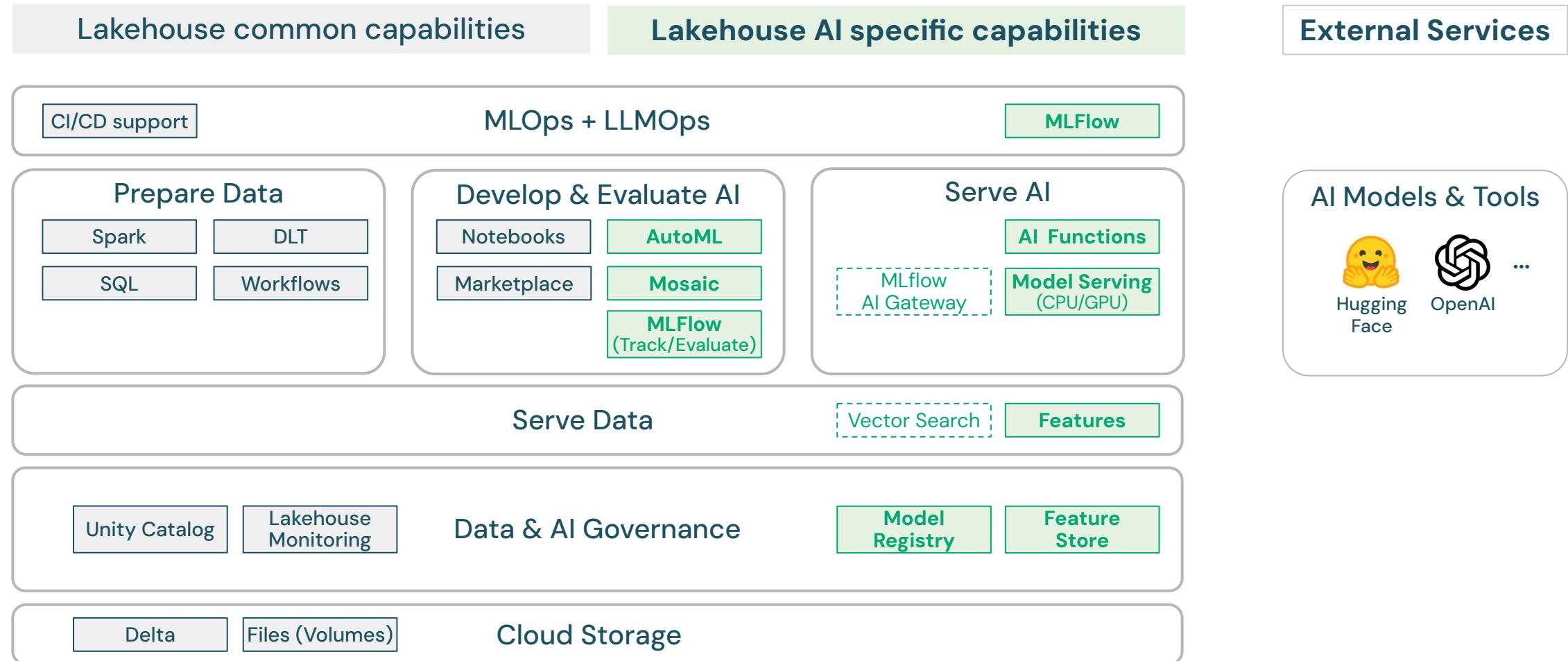
External Services

AI Models & Tools

- Commercial AI models
- Community AI models
- Community tools

Lakehouse AI

... fully integrated into the Lakehouse



What is the vision for the Lakehouse?

Guiding Principles for the Lakehouse



Curate Data and Offer Trusted Data-as-Products



Adopt an Organization-wide Data Governance Strategy



Remove Data Silos and Minimize Data Movement



Encourage the Use of Open Interfaces and Open Formats



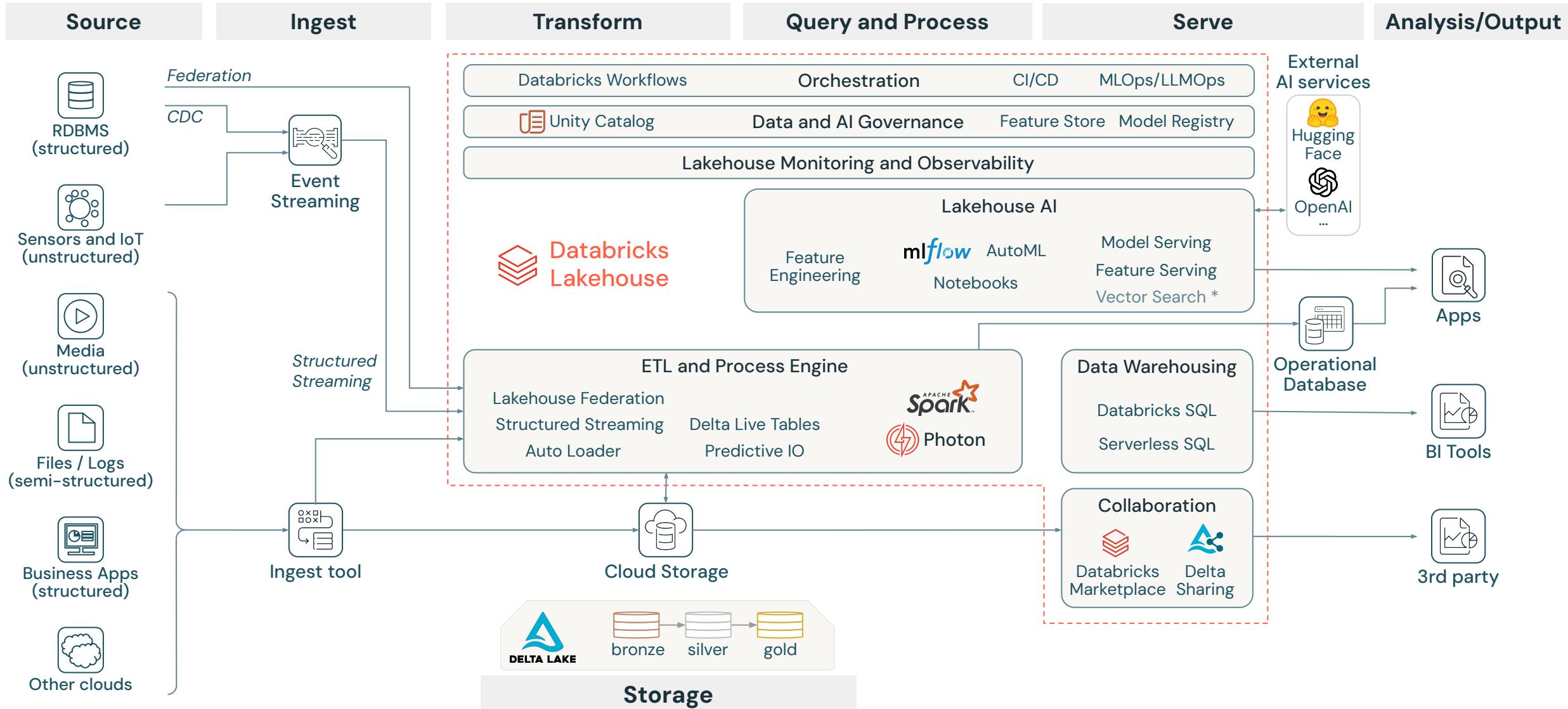
Democratize Value Creation through Self-Service Experience



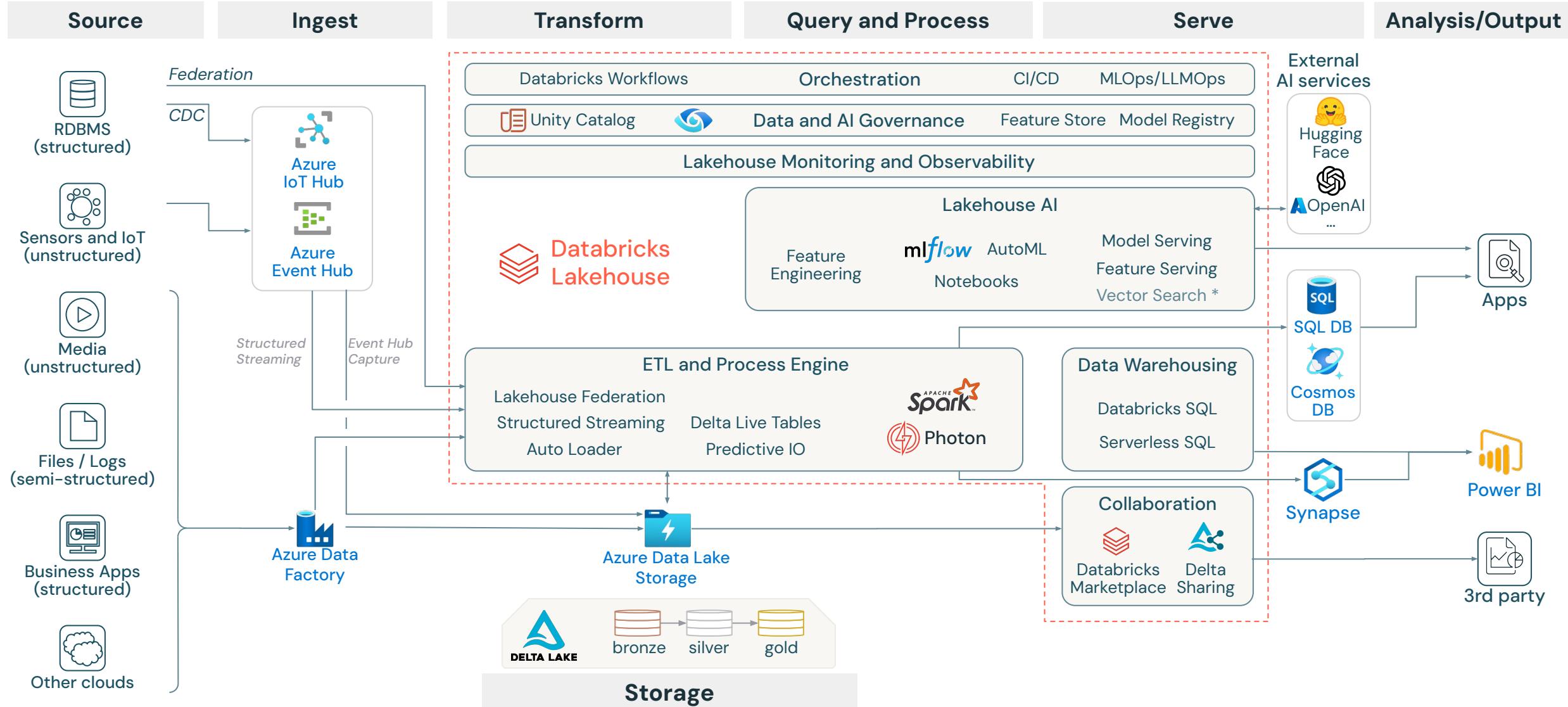
Build to Scale and Optimize for Performance & Cost

How does the Lakehouse integrate into the cloud architecture?

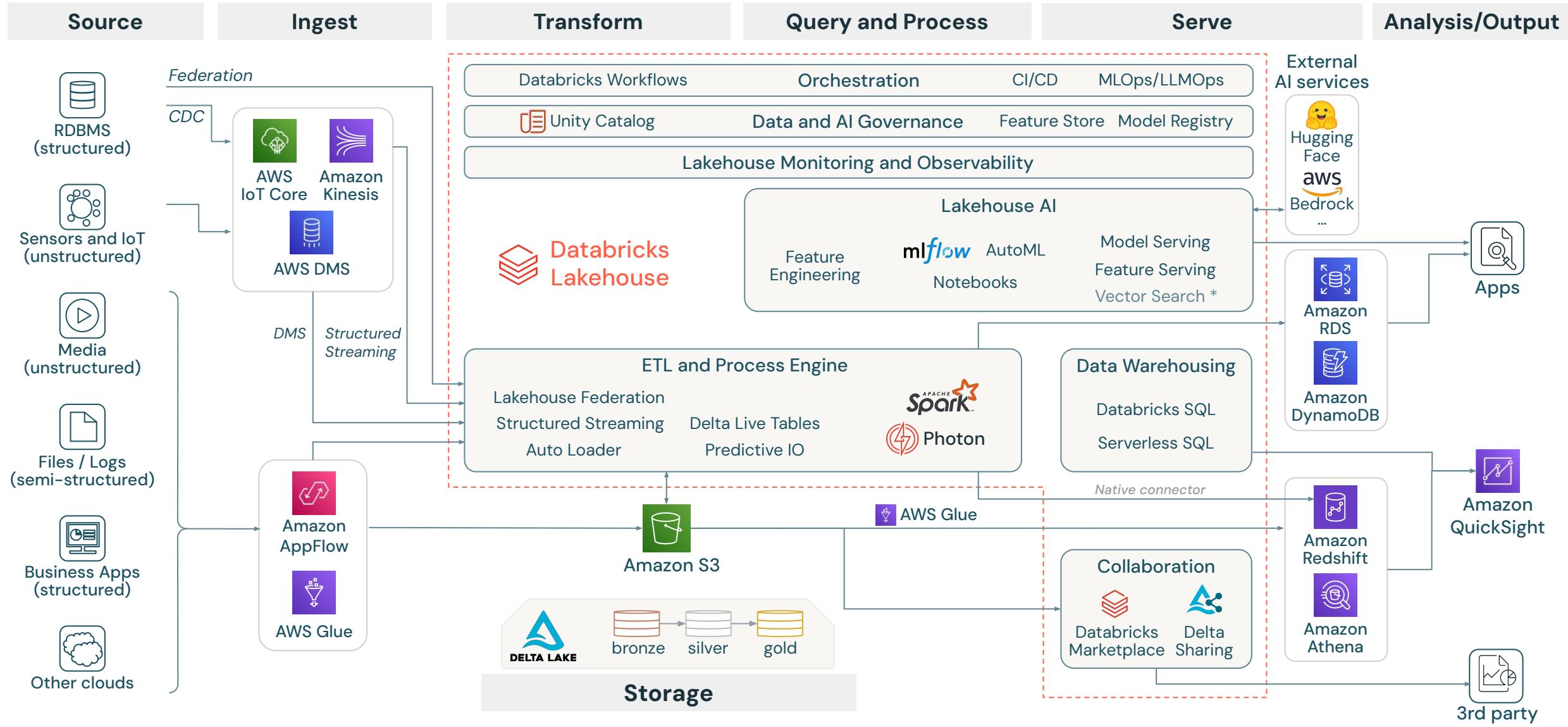
Lakehouse Reference Architecture



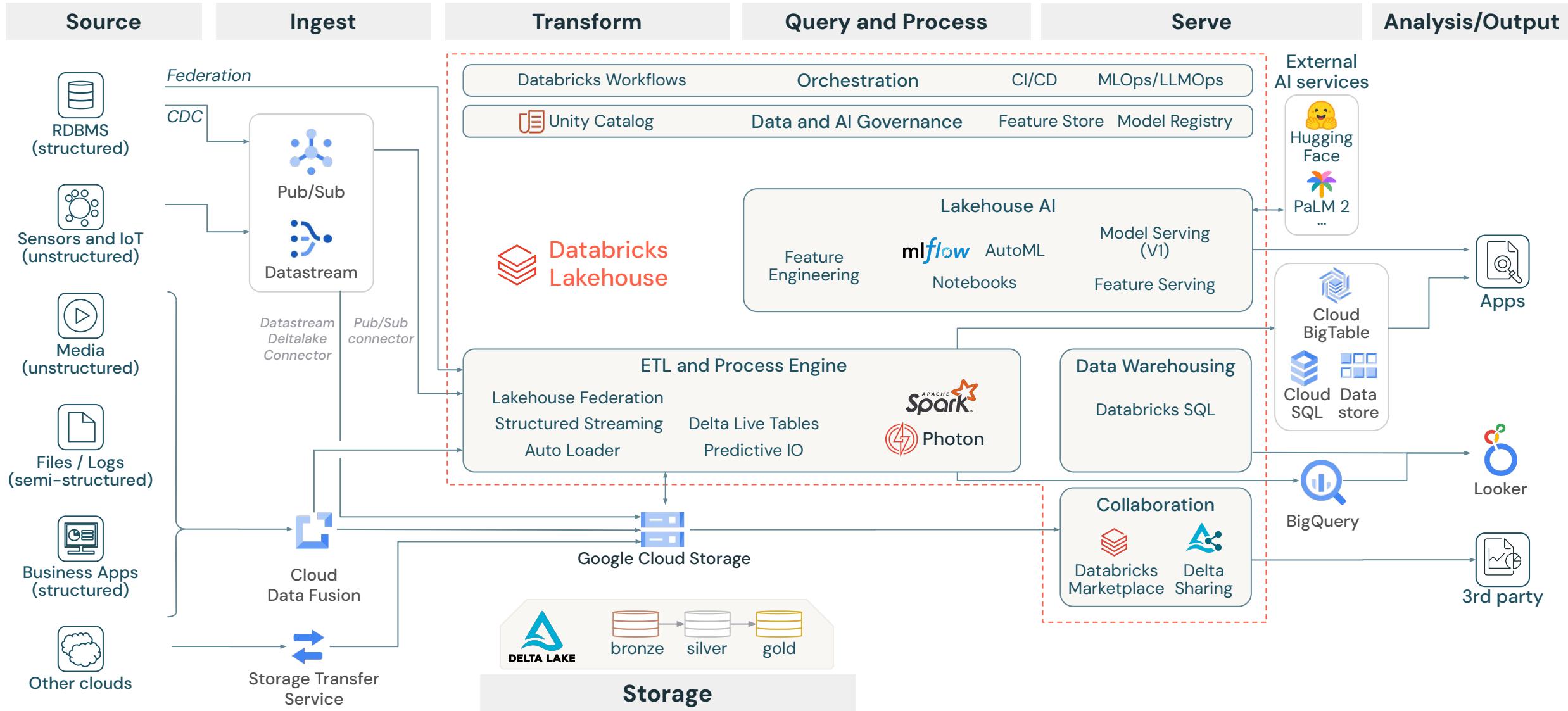
Lakehouse Reference Architecture (Azure)

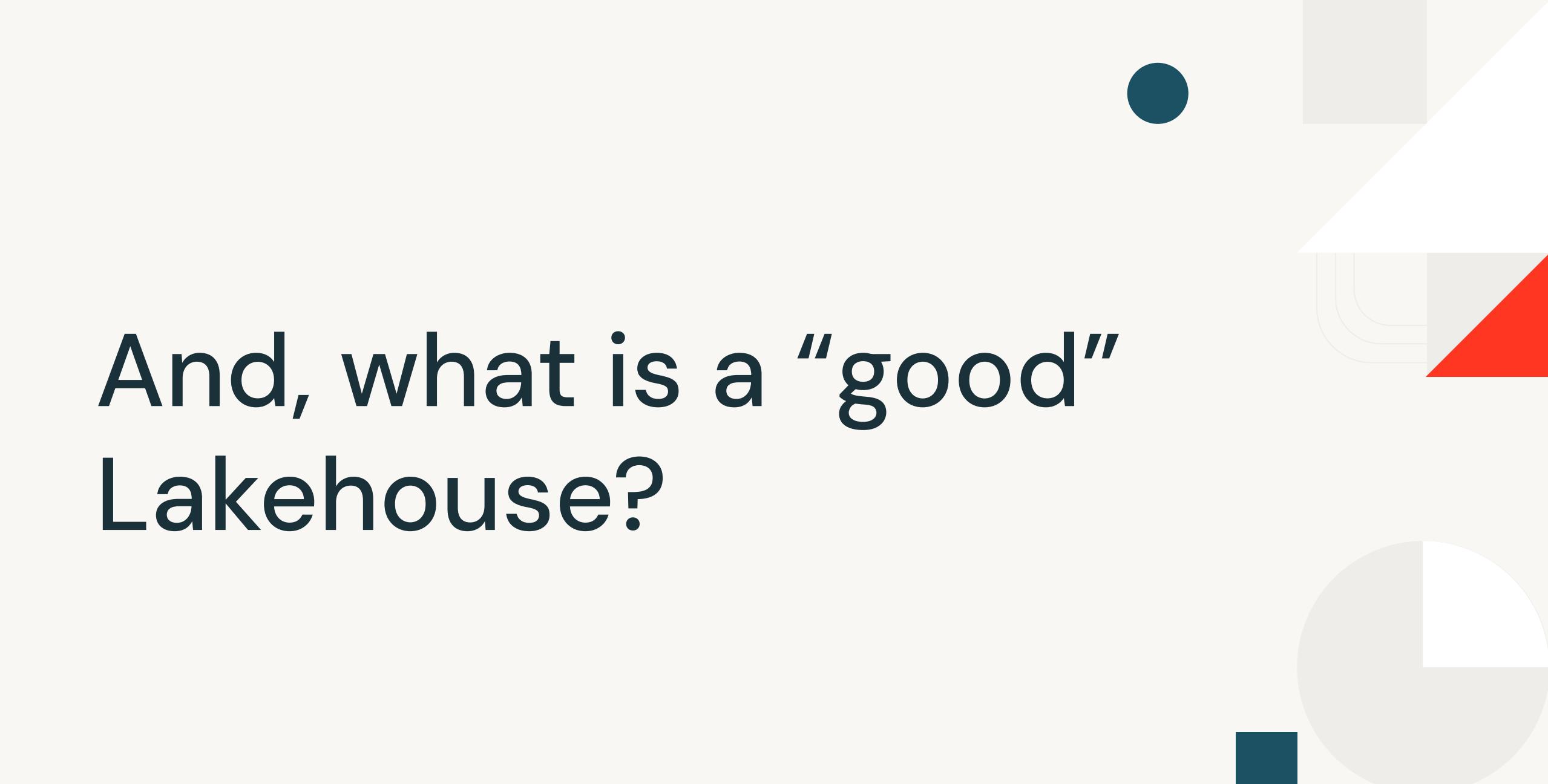


Lakehouse Reference Architecture (AWS)



Lakehouse Reference Architecture (GCP)

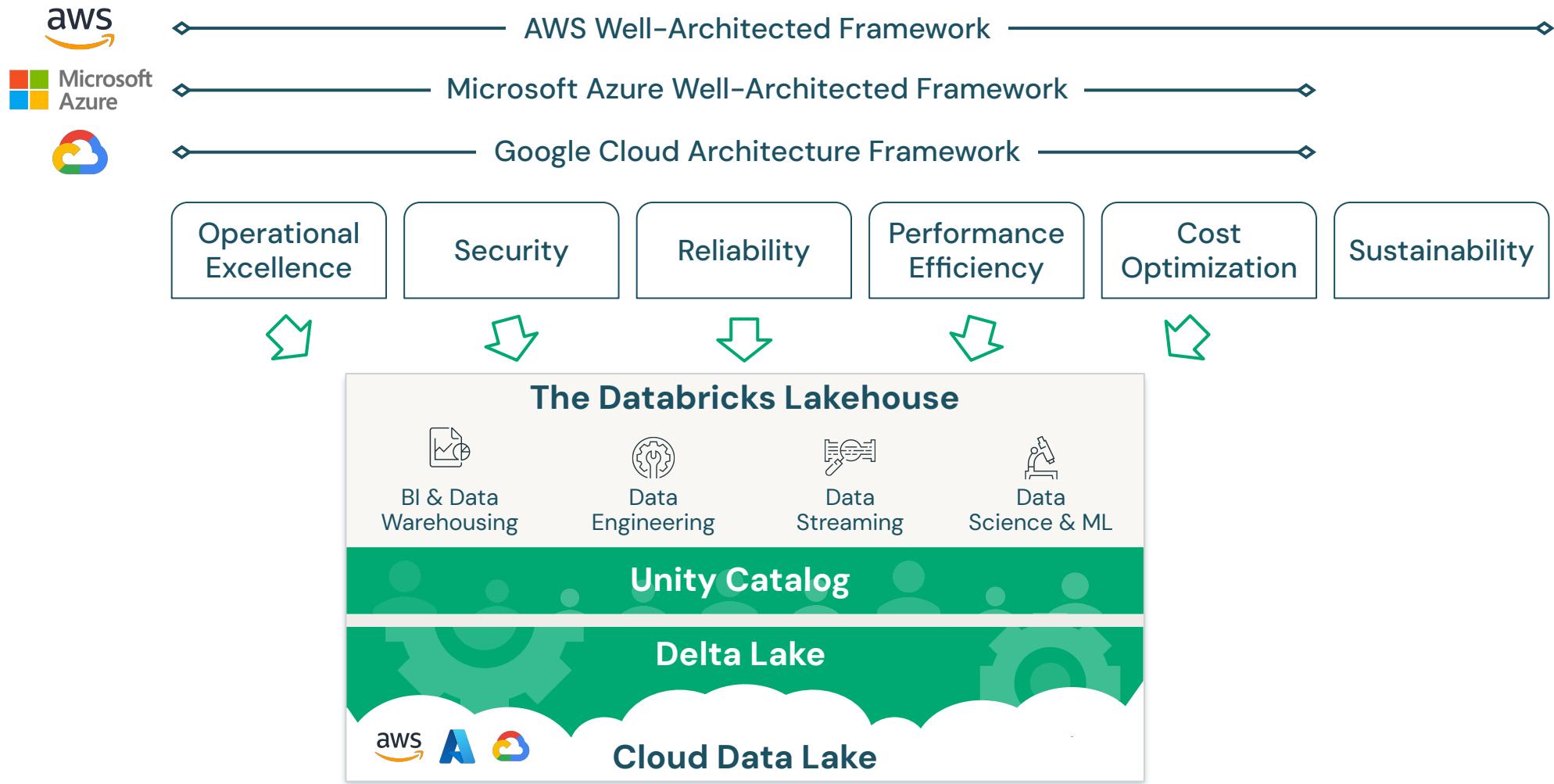




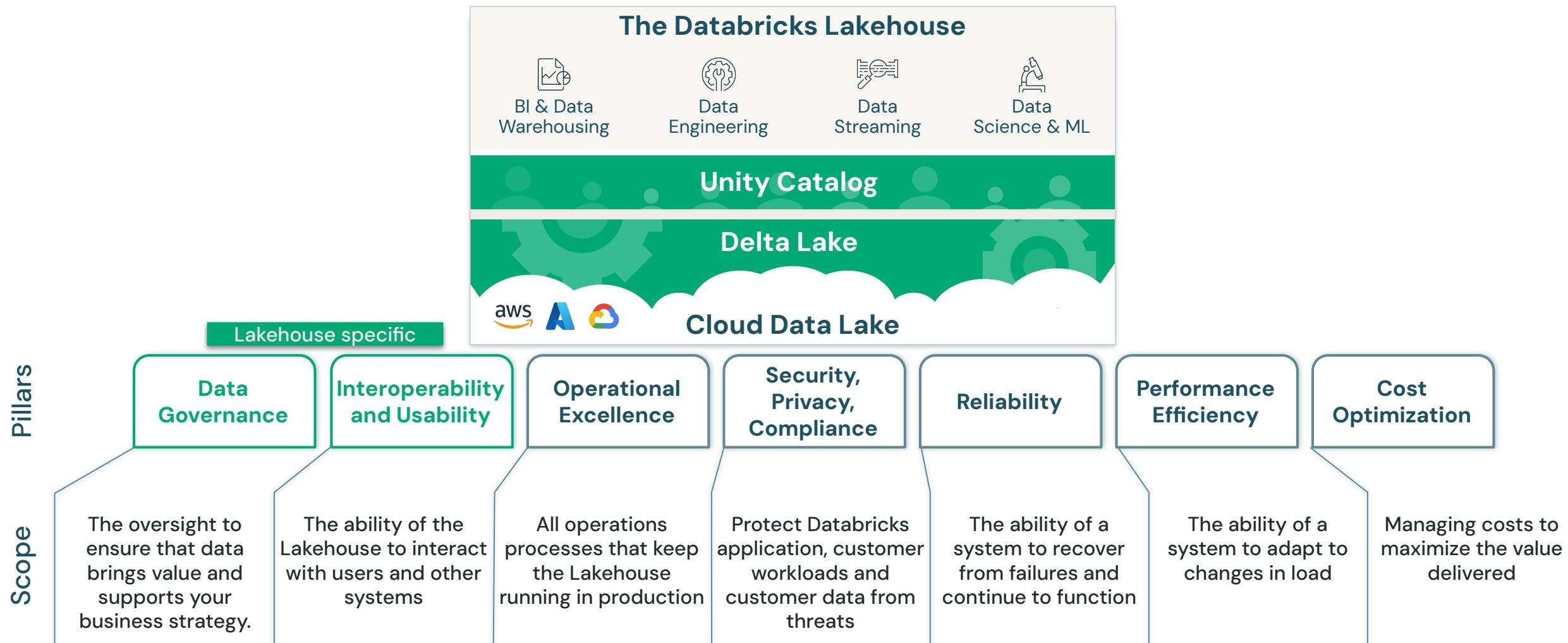
And, what is a “good” Lakehouse?

The Well-Architected Lakehouse

Extends the Cloud Well-Architected Frameworks to the Lakehouse



The Well-Architected Lakehouse



A different lens onto the documentation



Three screenshots of Databricks documentation pages for different cloud environments, all titled "Data lakehouse architecture: Databricks well-architected framework".

Screenshot 1: Databricks on AWS
URL: <https://docs.databricks.com/lakehouse-architecture/index.html>

Screenshot 2: Databricks on Google Cloud
URL: <https://docs.gcp.databricks.com/lakehouse-architecture/index.html>

Screenshot 3: Microsoft Azure
URL: <https://learn.microsoft.com/en-gb/azure/databricks/lakehouse-architecture>

All three pages show the same content structure, featuring a main title, a sub-section titled "Databricks well-architected framework for the lakehouse", and a diagram illustrating the "The Databricks Lakehouse" architecture. The architecture diagram shows a central "Unity Catalog" layer connected to "Delta Lake" and a "Cloud Data Lake", with various data engineering and streaming components (BI & Data Warehousing, Data Engineering, Data Streaming, Data Science & ML) surrounding it.

Wrap Up

Sidhtara Tep

Senior Partner Marketing Manager

Training Calendar

Week Starting	Mon	Tue	Wed	Thu	Fri
Sep 4			<u>Tech Talk</u>	<u>NPO-Global</u>	
Sep 11		<u>Partner Day, Zurich</u>			
Sep 18		<u>Partner Day, Paris</u>	<u>All Hands</u>		
Sep 25				<u>Unity Catalog Workshop</u> <u>Partner Day, Madrid</u>	

Sign up for our Partner Newsletter

By signing up, you'll receive:

- Invitations to our technical product updates (Tech Talks and Tech Tours)
- Information about our events series (Data + AI Summit, Lakehouse World Tours and more!)

*There are just four emails sent per month so we won't overload your inbox!

Partner News



2023 Training and Enablement Calendar

Progress your Databricks knowledge with our training and certifications program! In case you didn't already know, we have a full calendar of self-paced courses and instructor-led training.

[Sign Up](#)



Capture More Enterprise Data Warehouse Migration Work

How can you create urgency and make Enterprise Data Warehouse (EDW) migration to lakehouse a priority for your customers? What are the common challenges with EDW migration architectural requirements? These are just a few of the questions answered in this new Databrick sales enablement course, EDW-ETL Presales Migration.

[Visit Partner Academy*](#)

Next Tech Talk

October 4

Keynote: Databricks Demos

Deliver winning demos in a jiffy

A picture is worth a thousand words. And a live demo is worth thousands of pictures.

As Data Engineers, Data Scientists, ML Engineers or Solution Architects, we often demo the features of the solutions we design as well as Databricks platform capabilities. We at Databricks have built a vast collection of ready-to-go demo packages that you can use for your live demos. They are fully functional, so you can use them out-of-the-box or use it as starting point of your more customized demo. These assets are also great to jump start your live projects.

In this session, [Quentin Ambard](#), our Sr. Manager of Field Demo Excellence will walk us through the rich catalog of demo assets and share tips for successful live demos.

Learn how to make your Databricks demos not stressful but joyful!

Bonus: Snowflake Migration Delivery Kit

All you need to jumpstart your projects

Databricks Professional Services (PS) has released the [Snowflake Migration Service Delivery Kit](#) to the partner ecosystem via the Databricks partner portal. This service kit provides guidance, best practices, general deliverables, and supplemental resources for migrating from Snowflake to Databricks, from the initial discovery phase through productionisation. Our Resident Solution Architect [Nick Senno](#) will give you a hands-on perspective on this kit right from the field!



We welcome your feedback!



Please send suggestions for Tech Talk content, format, or anything else you want to share with Ketan Ganatra at
k@databricks.com

Thank You!

