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MKT307-R

Integrate third-party data into your data architecture and data mesh

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Agenda



Overview: Data mesh architecture



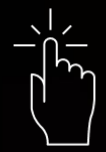
New launch announcements



Gilead’s data mesh



Whiteboarding: Architect it together



Call to action

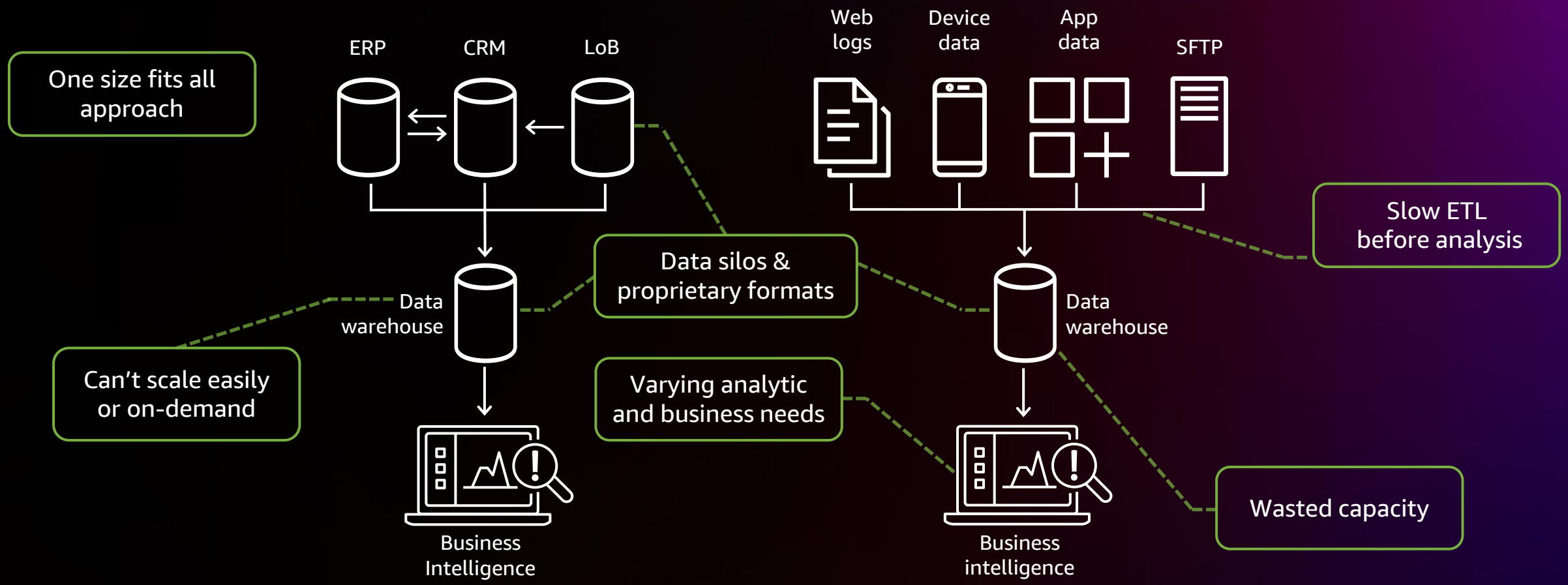
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Data architecture – Decentralized/Siloed

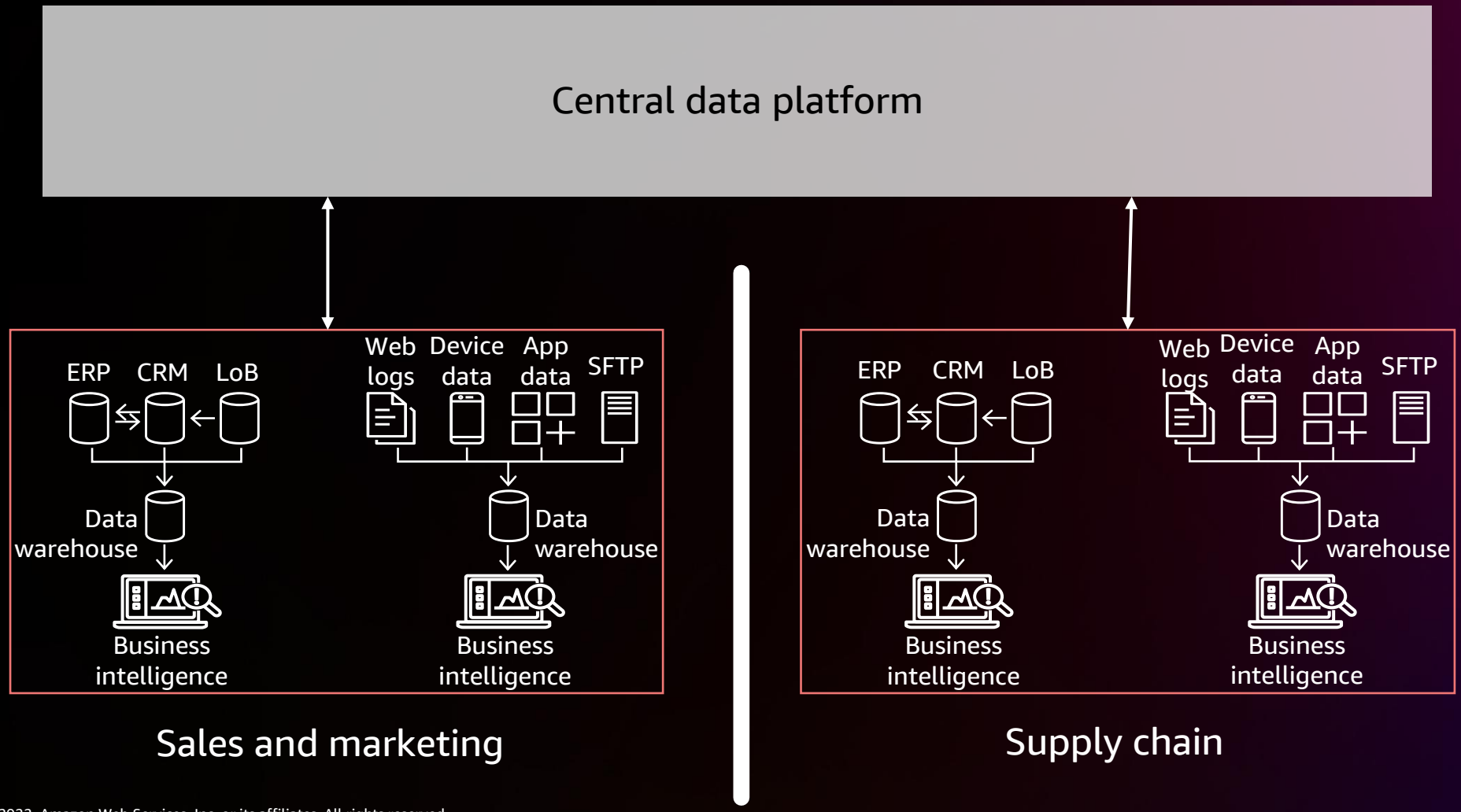
LIMITS BUSINESS AGILITY AND HAMPERS INNOVATION



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Data architecture – Centralized

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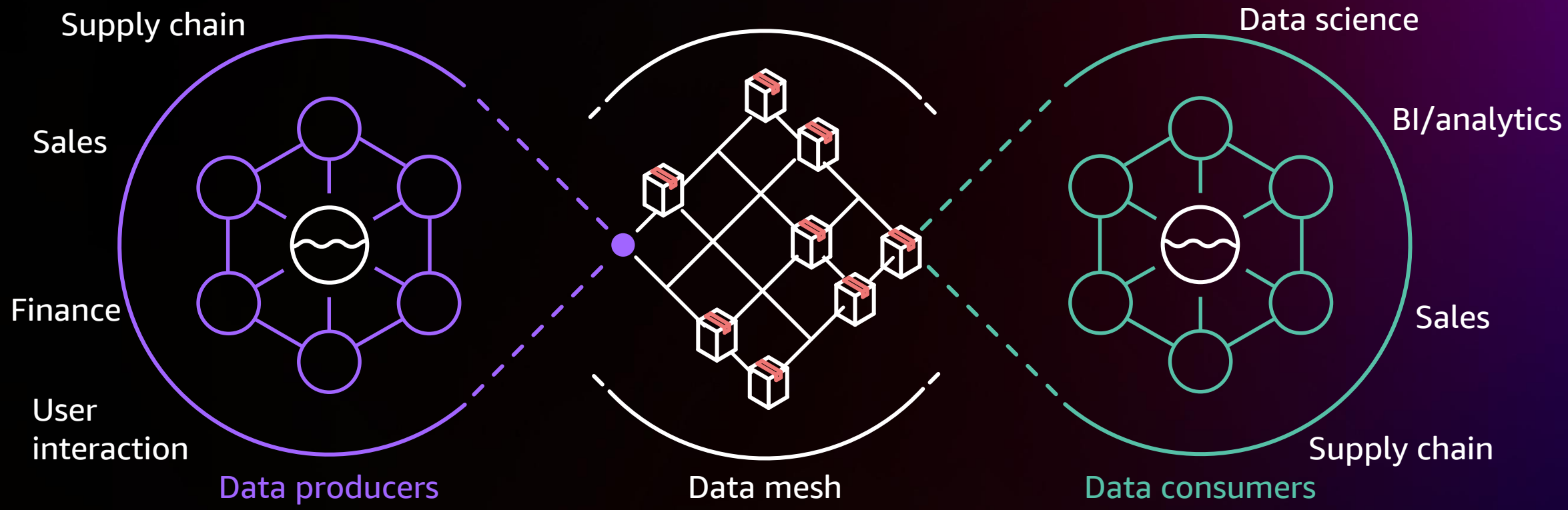


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Data mesh

WHAT IS IT?

Distributed data architecture that enables the governed sharing of data products from data producers to data consumers



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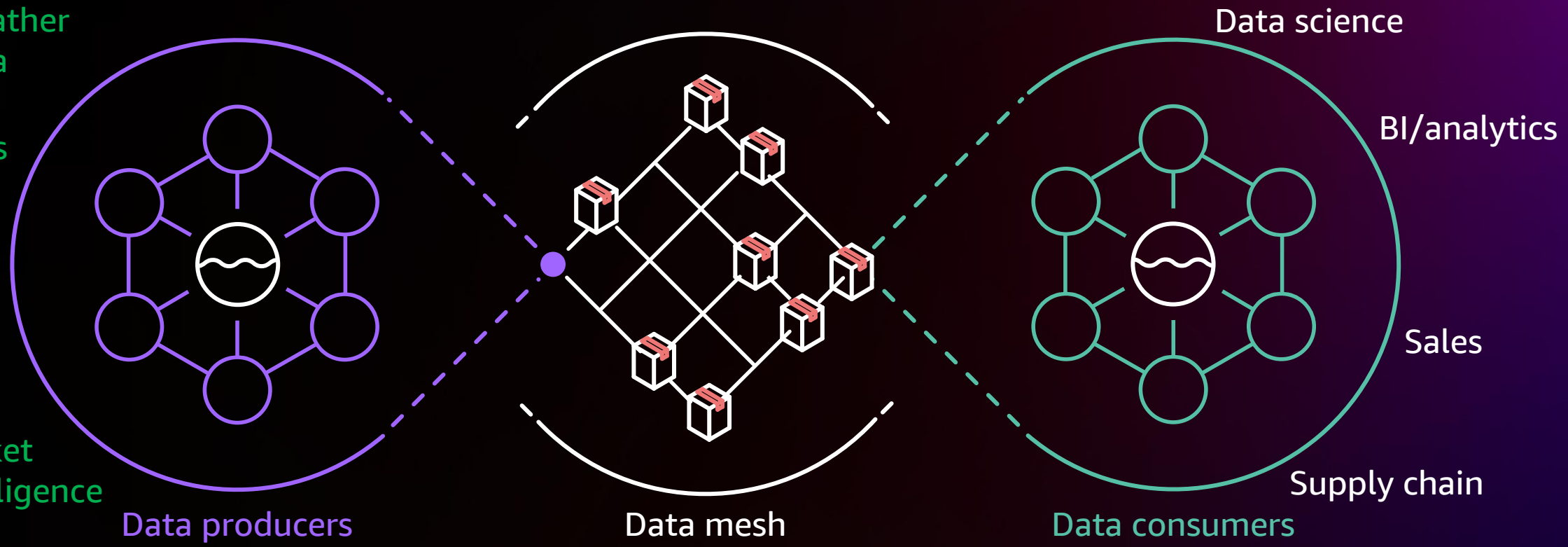
What about third-party data?

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Data mesh

WHAT IS IT?

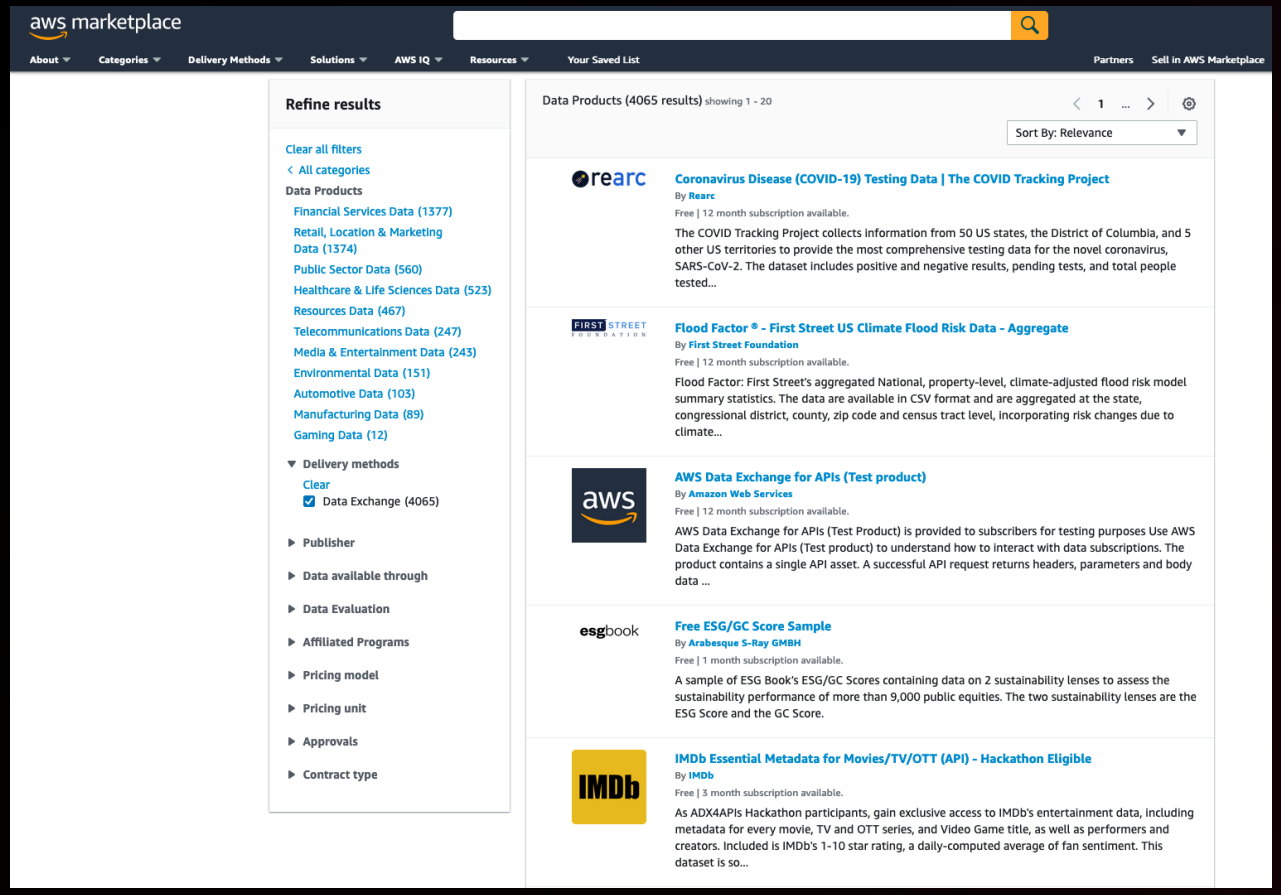
Distributed data architecture that enables the governed sharing of data products from data producers to data consumers



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AWS Data Exchange enables customers to easily find, subscribe to, and use third-party data in the cloud



- 300+ data providers and 3,500+ data products
- Over 1,500 free public data products to easily evaluate the data you need
- Support for private products and private data trials
- Data delivery via files, tables, and APIs

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Organizations innovating with AWS Data Exchange

nextdoor

neuravest

The University of Texas at Austin
Cockrell School of Engineering

MERCK
INVENTING FOR LIFE

PG ventures

ConvergeHEALTH™

KKR

CSRHUB®

xiaomi

WINE ACCESS

Yum!

Demyst

DUKE UNIVERSITY

FLIXED

Investics

Goldman Sachs

accenture

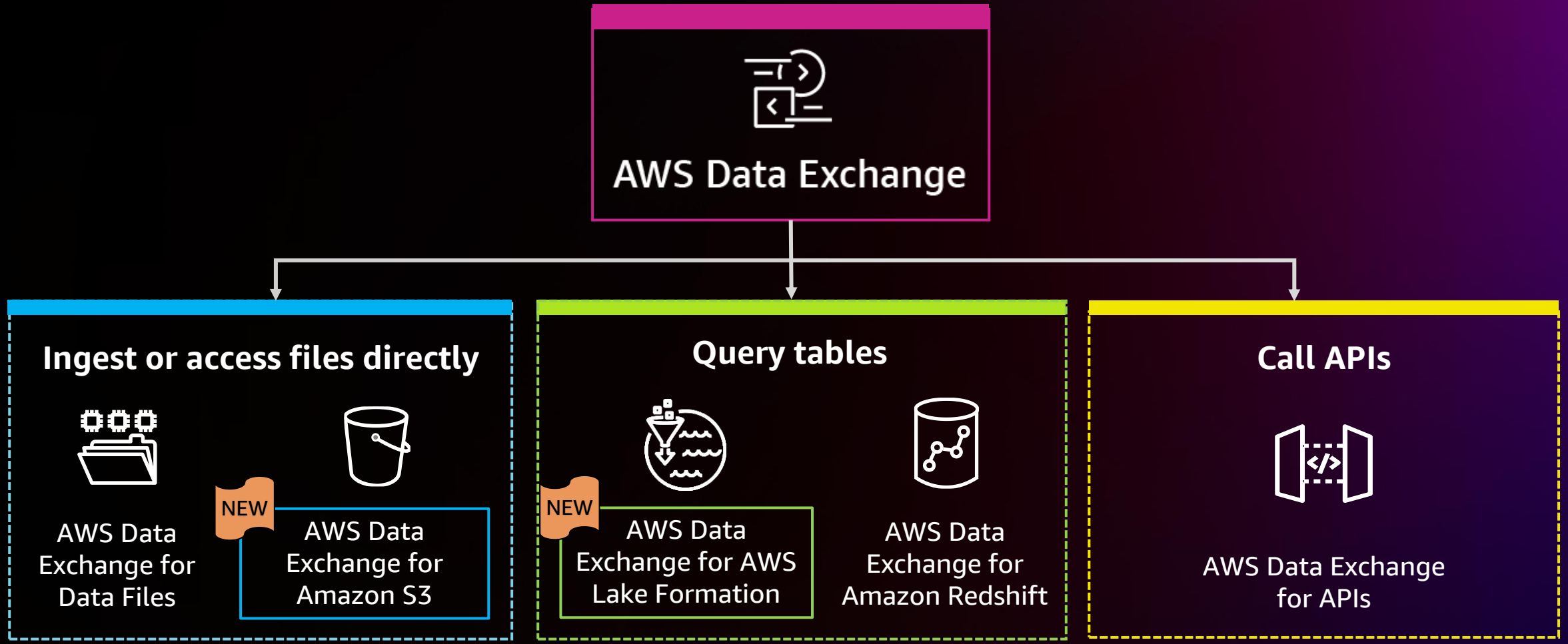
vyaire MEDICAL

Capgemini

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Third-party data via files, tables, or APIs, all in one service



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How does Gilead incorporate third-party data procured via AWS Data Exchange into their data mesh?

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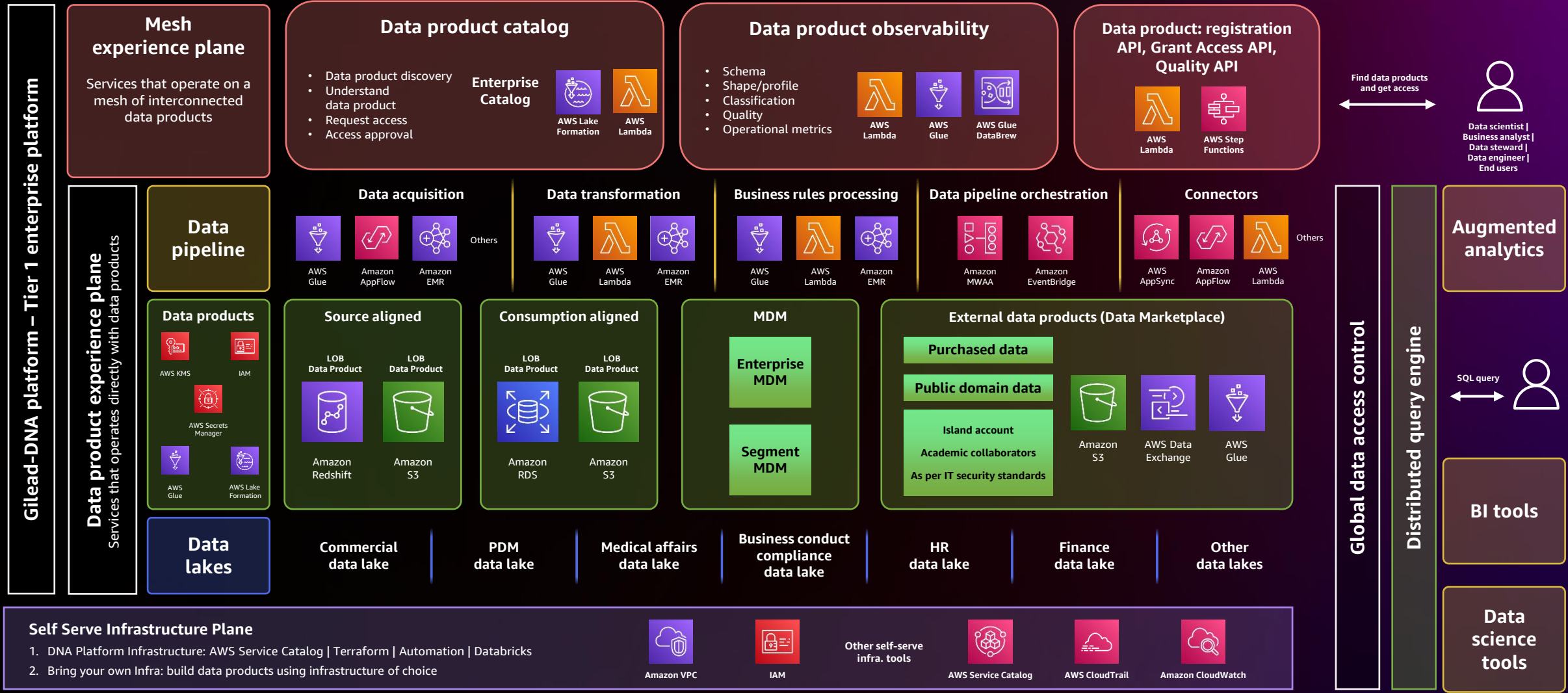
Guiding principles

1. Data as Products – Improve trust and quality of data
2. Minimize data movement
3. Unified data strategy for all data and analytics applications with common governance principles
4. Seamless integration of data science tool sets
5. Lower cost of ownership

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GILEAD

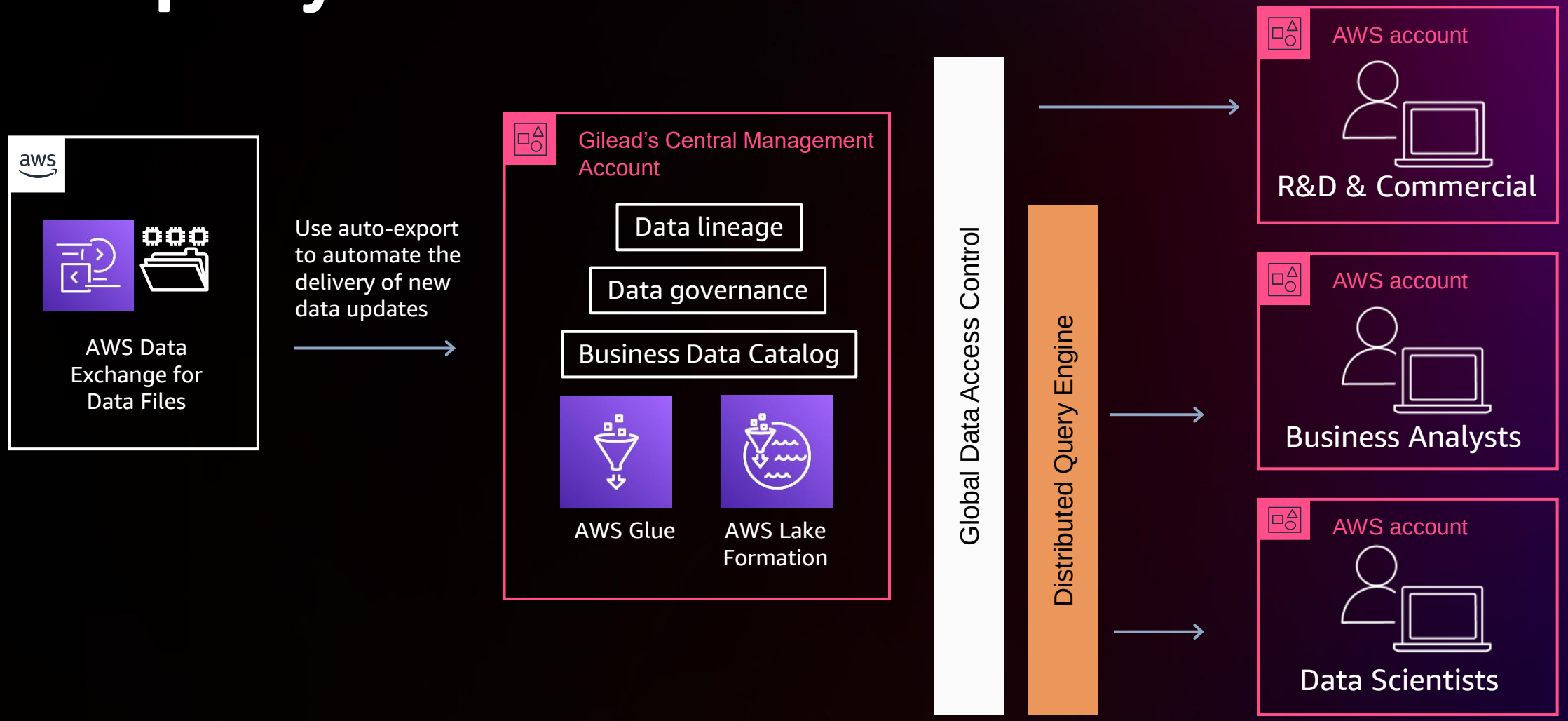
High-level architecture

DATA MESH SYSTEM CONTEXT



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AWS Data Exchange accelerates bringing third-party data into the data mesh



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How it’s going

Benefits of using ADX in the mesh context

- Faster onboarding of new datasets
- Data Sharing instead of data movement
- Security compliance
- Less operational overhead

Top challenges encountered during the implementation/migration

- Vendor selection
- Data sharing needs are complex

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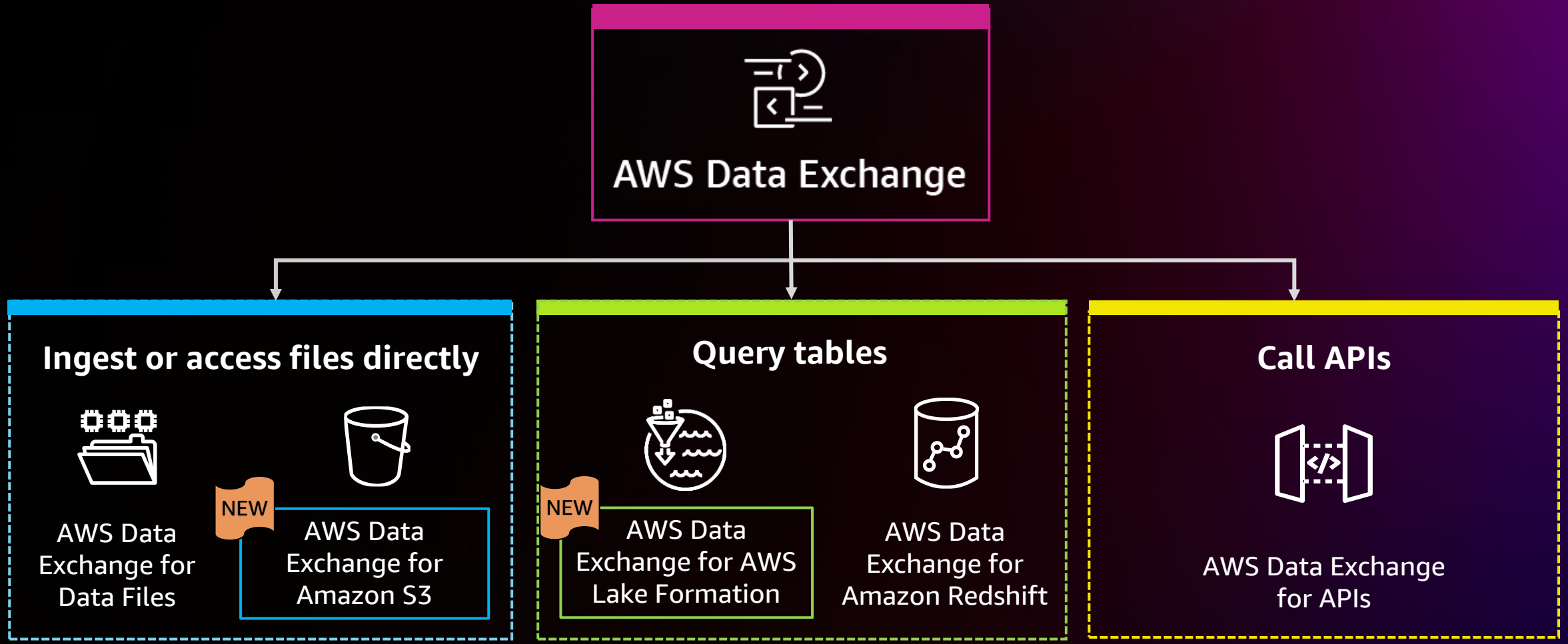
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Whiteboarding: Architect it together

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Third-party data via files, tables, or APIs, all in one service



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Call to action/wrap-up

Scan this QR code for more information on:

- Subscribing to data products
- Becoming an AWS Data Exchange data provider
- AWS Data Exchange for Amazon S3
- AWS Data Exchange for AWS Lake Formation

Watch the recording of LFS202 – **Gilead Sciences' journey from migration to innovation on AWS** – for an in-depth look at how Gilead Sciences implemented their data mesh

Visit AWS Data Exchange in the exhibition hall at AWS Marketplace pavilion (Booth #3525)

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Thank you!

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