

The background features a dark blue gradient with abstract, glowing shapes in shades of purple and pink. Two thin, light blue lines intersect to form a large 'A' shape. The text is positioned on the left side of the image.

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ANT351

Accelerating data and AI development with the next generation of Amazon SageMaker

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Agenda

- 1 The next generation of Amazon SageMaker – Overview
- 2 The data worker experience in SageMaker Unified Studio
- 3 Enterprise architecture and governance with SageMaker



Convergence of analytics and AI jobs to be done, often using the same data



Convergence of roles across data analyst, data scientist, and data engineer



Data silos drive up costs and complexity



Fragmented governance erodes trust and confidence

Organizations appreciate . . .

Comprehensive set of purpose-built services

Optimized for **performance and cost**

Experience



Act



Govern



Store



Organizations want to . . .

Leverage the same **rich set** of services

through **unified experiences**

Experience

Act

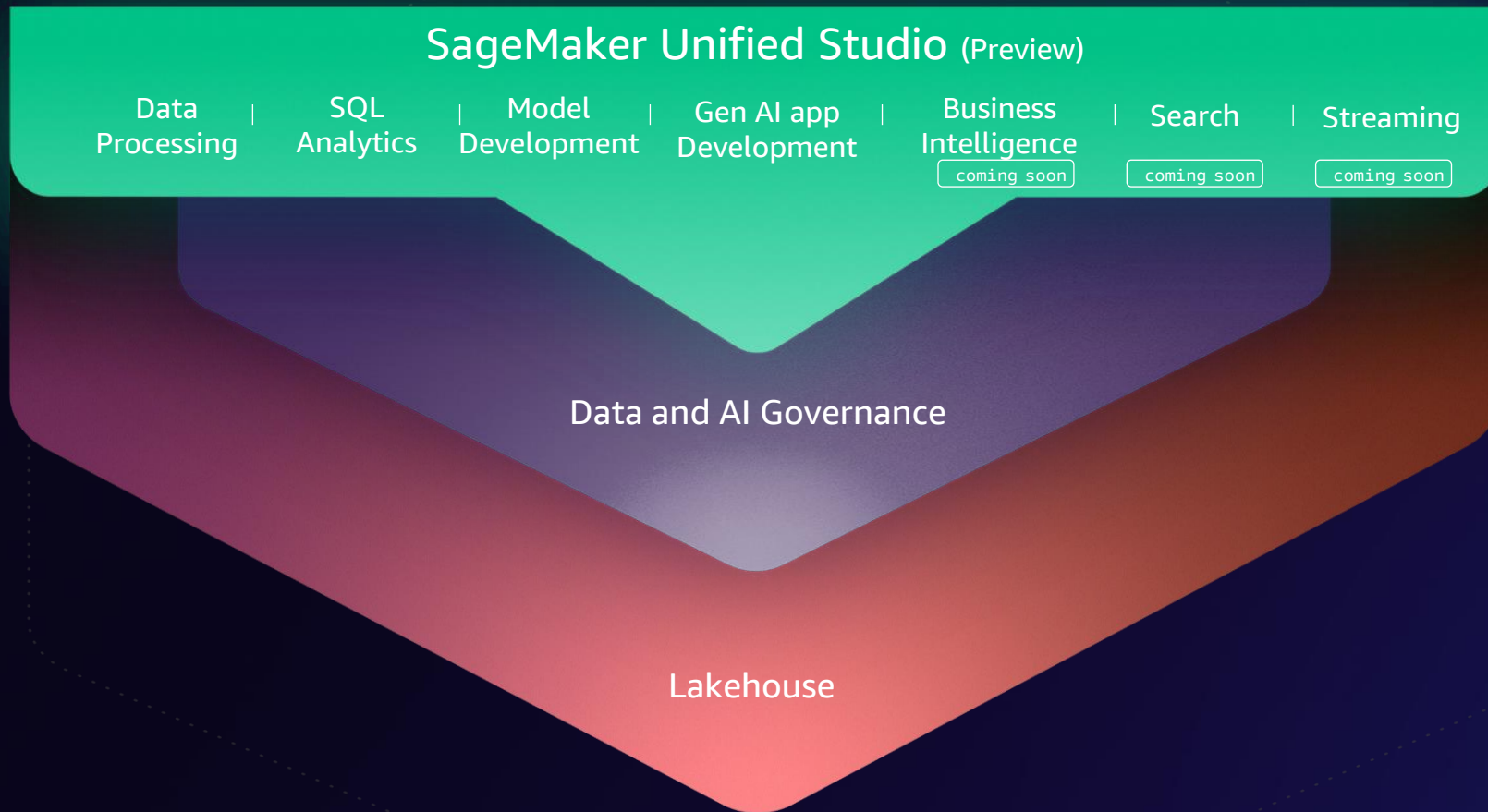
Govern

Store



The next generation of Amazon SageMaker is
the center for all your **data**, **analytics**, and **AI**

Amazon SageMaker



Amazon SageMaker

THE NEXT GENERATION OF AMAZON SAGEMAKER IS THE CENTER FOR ALL YOUR DATA, ANALYTICS, AND AI



SageMaker

A **single data and AI** development environment to collaborate and build faster

The **broadest** set of tools to develop and scale any AI use case

An **open** data lakehouse to unify all your data

Built-in data and AI governance to meet your enterprise security needs

The data worker experience in Amazon SageMaker Unified Studio



SageMaker Unified Studio (preview)

AN INTEGRATED EXPERIENCE FOR ALL YOUR DATA AND AI



SageMaker Unified Studio (preview)

Data Processing

SQL Analytics

Model Development

Gen AI app Development

Business Intelligence

Search

Streaming

coming soon

coming soon

coming soon

Data & AI Governance

Lakehouse

SageMaker Unified Studio (preview)

SageMaker Unified Studio

An integrated experience for all your data and AI

Use **best-in-class** tools, no matter the job

Train, customize, and deploy AI models at **scale**

Rapidly build custom generative AI applications

Accelerate your data journey with Amazon Q Developer



Embedded data and AI governance

Login as YOU

Customizable Profiles for Console Access
Tools for analytics, security, and other use cases
Focus on the IAM Identity Center use case SAML

User/group level access to functionality
Project level access to data
Trusted Identity Propagation (coming soon)



Organize your work

Projects keep your workloads, data, and compute together
Publish/subscribe to a centralized catalog
Provide an isolation boundary for security
Connect to external data sources and catalogs

Provision your Compute

Customizable actions to provision compute and storage
CloudFormation-based templates
Full tracking and cascading deletes

Discover your Data

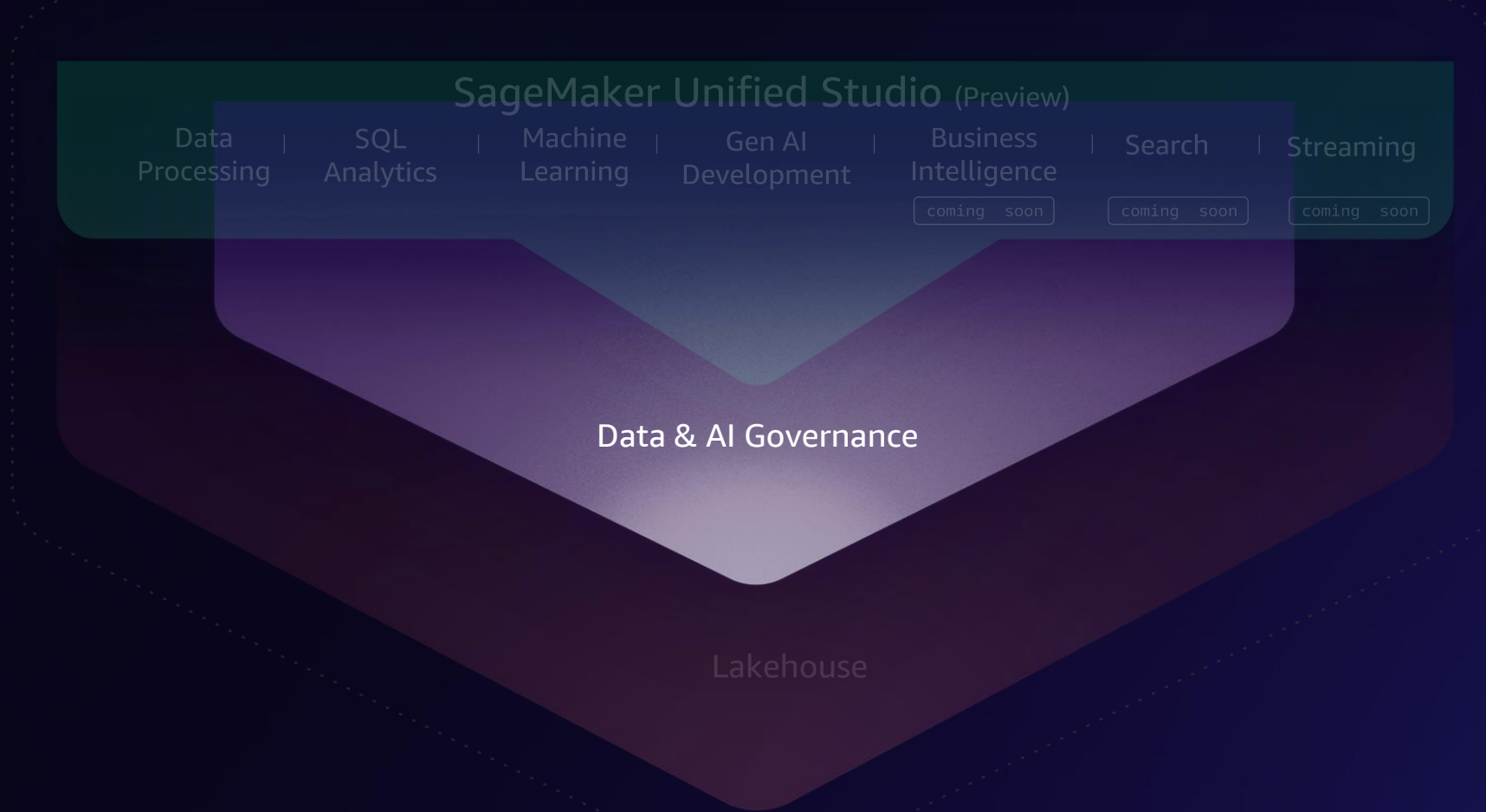


Enterprise architecture and governance with Amazon SageMaker



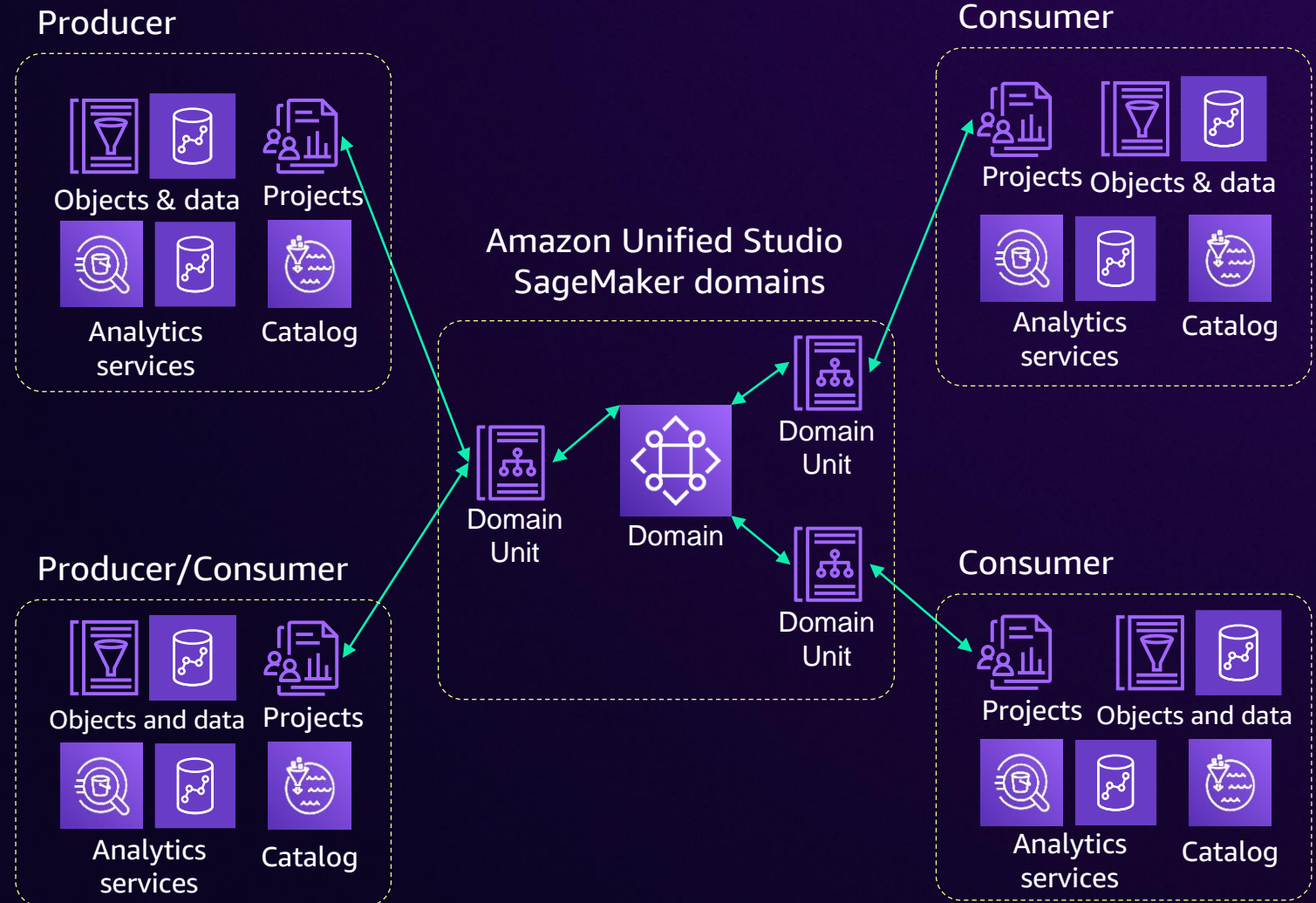
Amazon SageMaker data and AI governance

DISCOVER, GOVERN, AND COLLABORATE ON DATA AND AI SECURELY



Data mesh architecture

SCALE AND REMOVE BOTTLENECKS TO FULLY DEMOCRATIZE DATA



Governance pillars

SCALE AND REMOVE BOTTLENECKS TO FULLY DEMOCRATIZE DATA

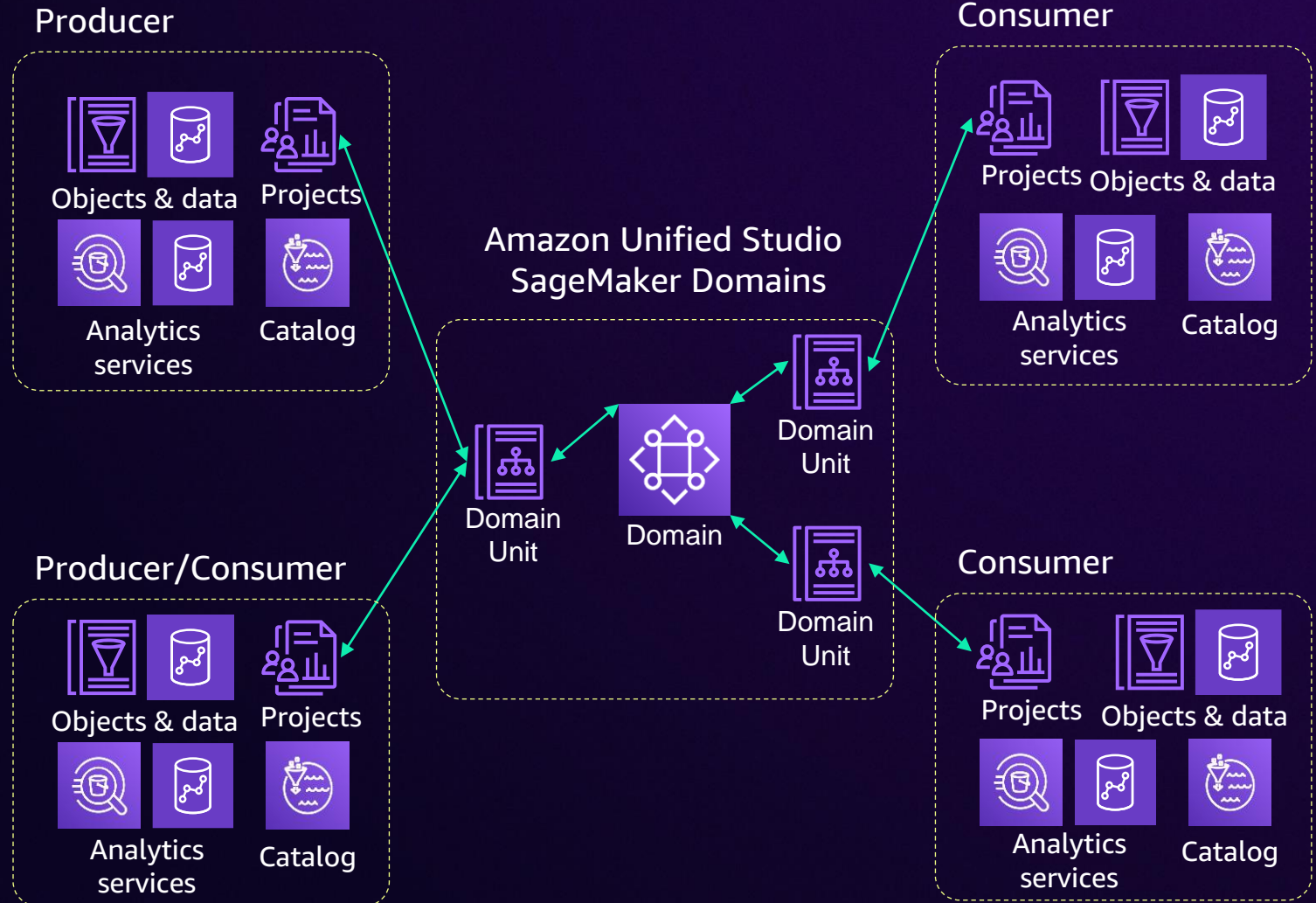
GOVERNANCE PILLARS

USERS

INFRASTRUCTURE

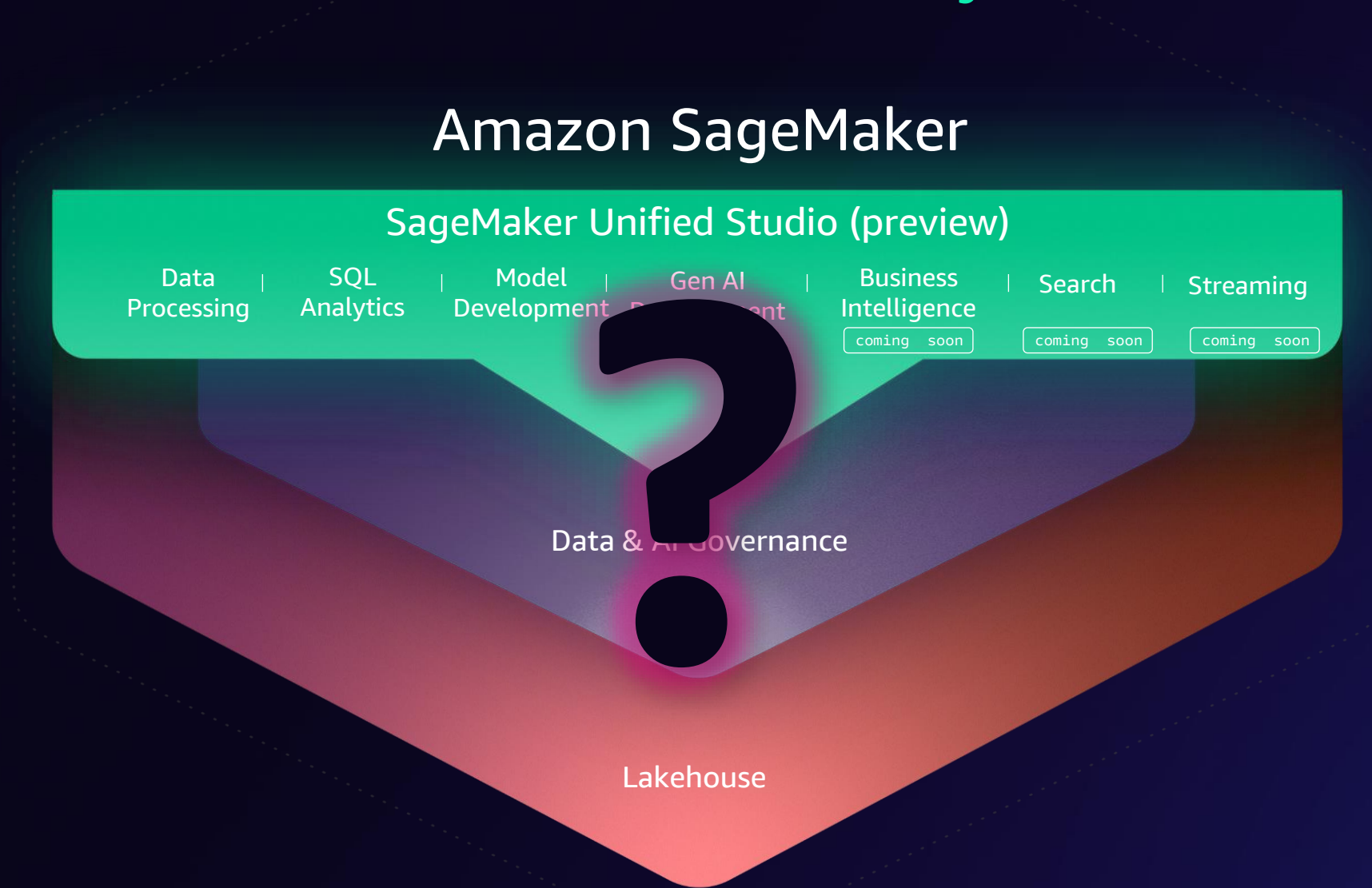
USE CASE

ORGANIZATIONAL



The next generation of Amazon SageMaker is the center for all your **Data**, **Analytics**, and **AI**

Amazon SageMaker



Thank you!

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