



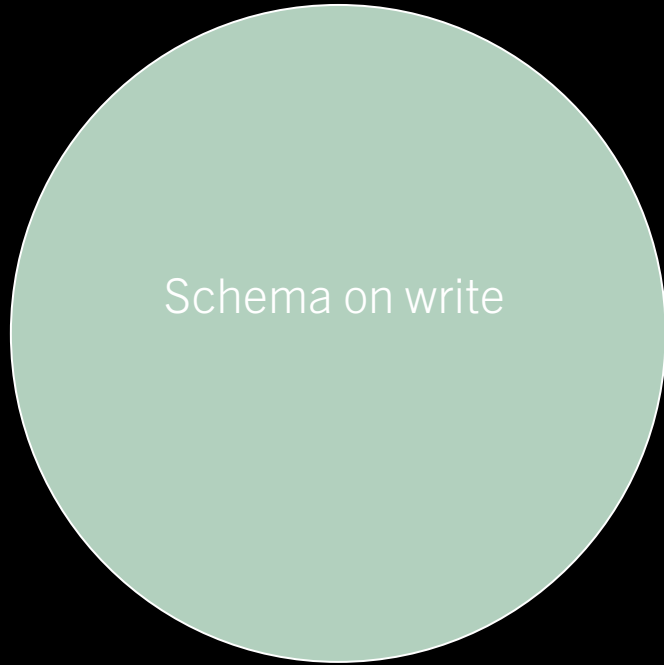
AZURE SYNAPSE ANALYTICS: DATA LAKEHOUSE

Bringing together data integration, enterprise data warehousing, and big data analytics

Code: <https://github.com/STATCowboy/AzureSynapseTalk2021>

VISION - DATA LAKEHOUSE

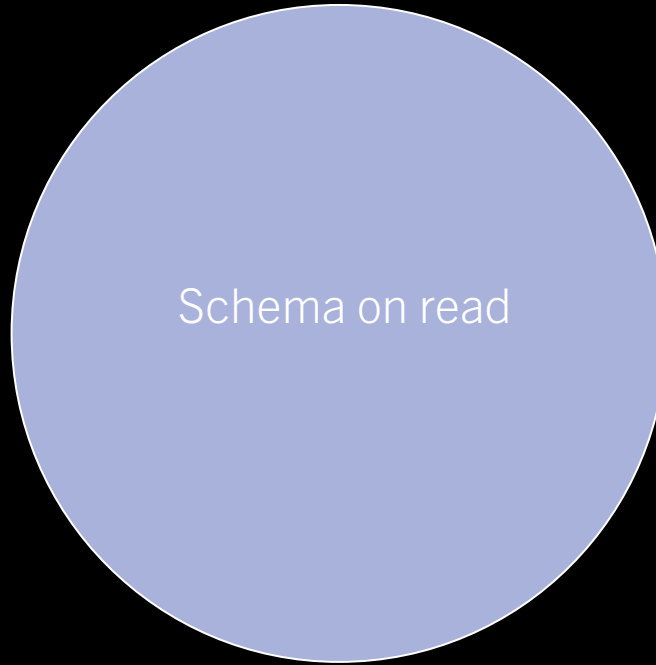
Data Warehouse



Schema on write

- Cleansed data
- Predefined data structures
- Easy to query
- Hard to load

Data Lake



Schema on read

- Retain all data
- Support all types of data
- Enable real time data
- Hard to query
- Easy to load



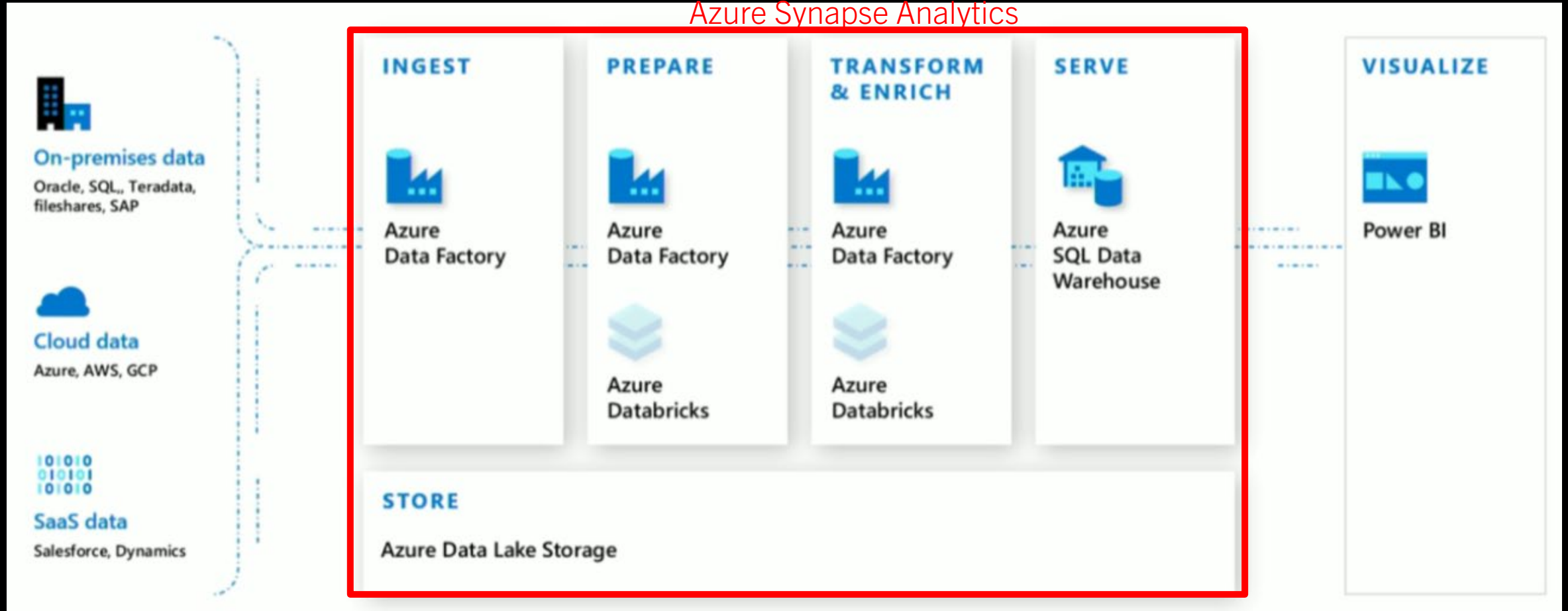
Data Lakehouse



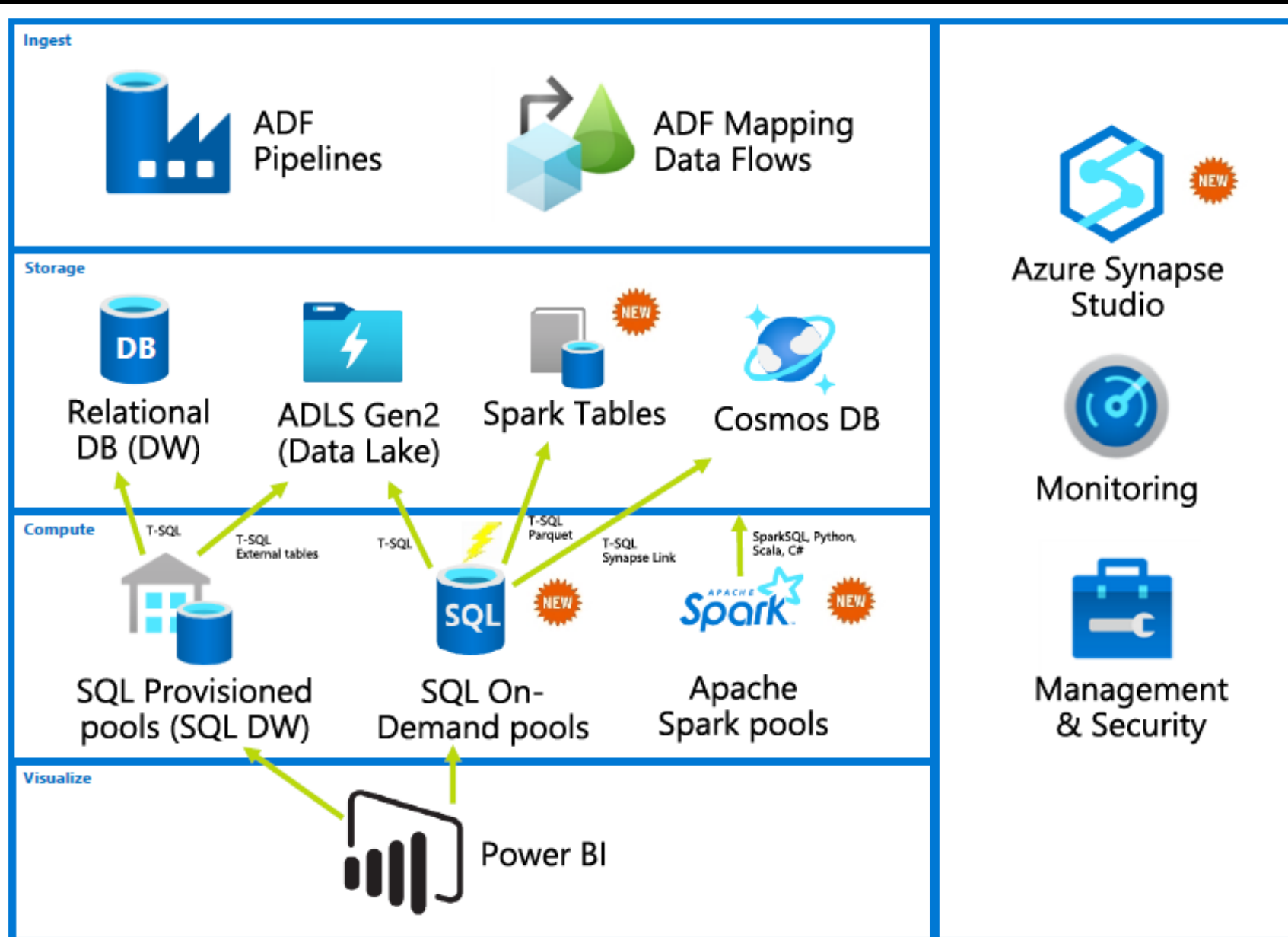
Best of both

MODERN DATAWAREHOUSE V1

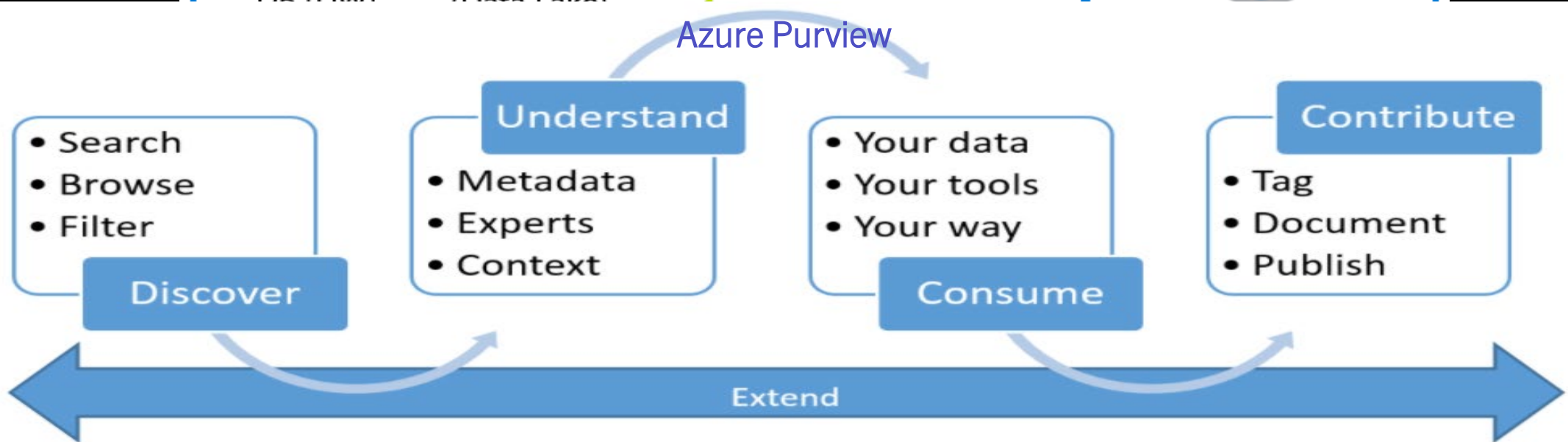
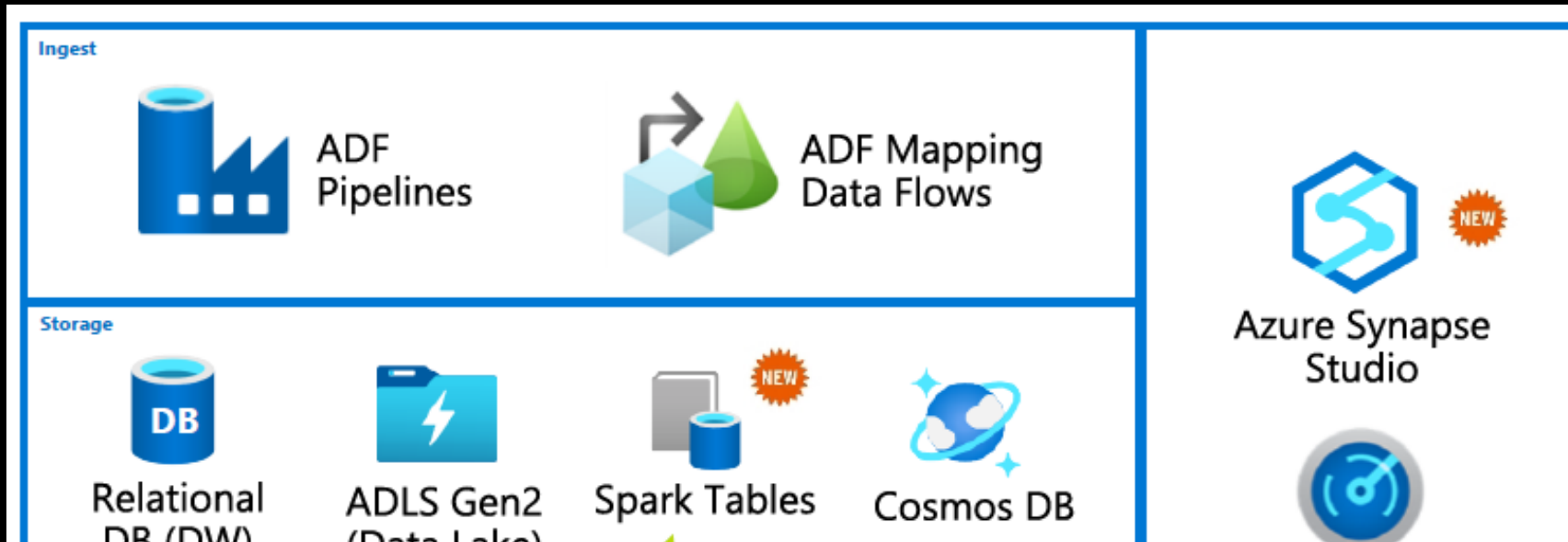
Azure Synapse Analytics



AZURE SYNAPSE



AZURE PURVIEW



AZURE MARKETING SLIDE #1



Azure Synapse Analytics

Limitless analytics service for enterprise AI, BI, and continuous intelligence

Azure Synapse is a complete platform for analytics —
blending big data, data warehousing, and data integration
into a single service for end-to-end analytics at cloud scale.

#AzureSynapse

Azure Synapse

a new class of analytics service



Serverless + provisioned



Workload aware analytics



Integrated SQL + Apache Spark



Intelligent performance acceleration



Unified security for structured
and unstructured data



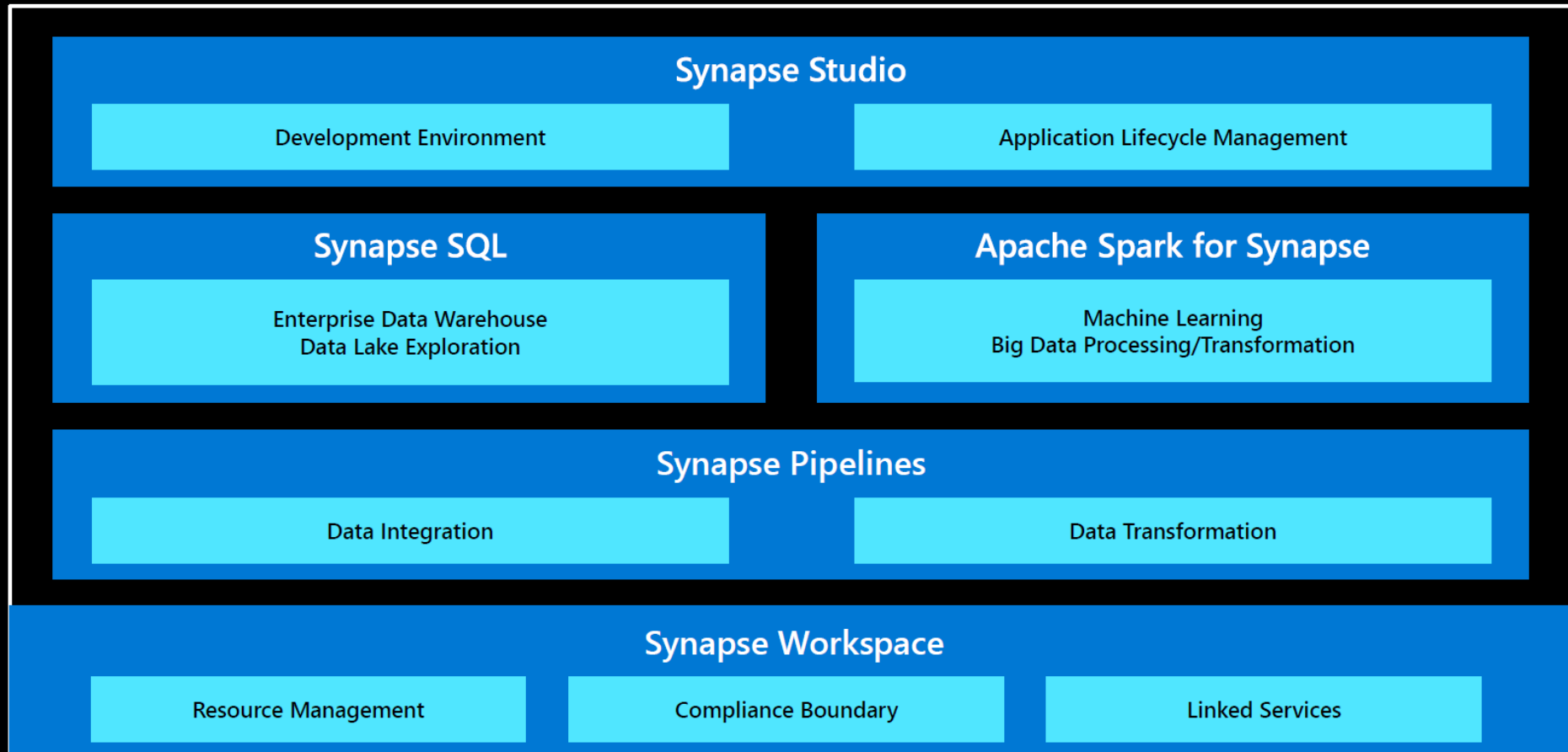
Cloud-native HTAP

AZURE MARKETING SLIDE #3

#AzureSynapse



Azure Synapse

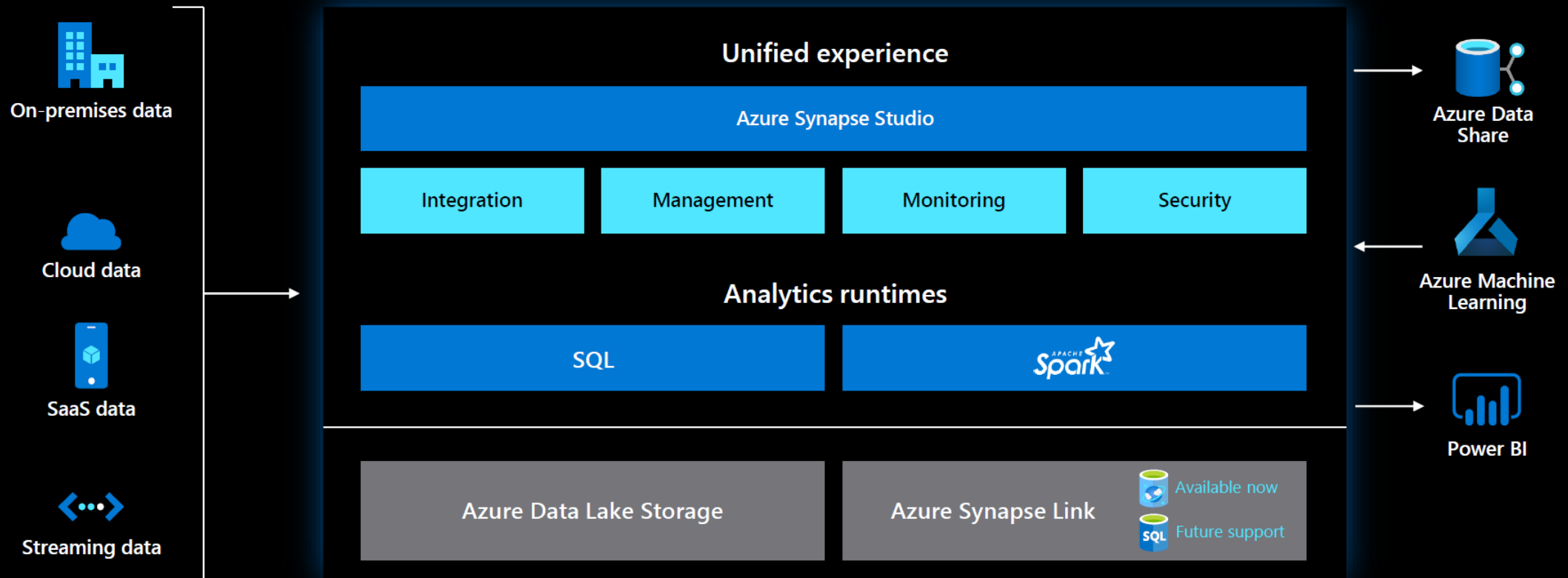


AZURE MARKETING SLIDE #4

#AzureSynapse

Azure Synapse

Limitless analytics service with unmatched time to insight



SELF HOSTED INTEGRATION RUNTIME

Microsoft Integration Runtime Configuration Manager

Register Integration Runtime (Self-hosted)

Welcome to Microsoft Integration Runtime Configuration Manager. Before you start, register your Integration Runtime (Self-hosted) node using a valid Authentication Key.

.....

✓

☐ Show Authentication Key [Learn how to find the Authentication Key](#)

HTTP Proxy

Current Proxy: No proxy Change

Register Cancel

THANKS!

Jamey Johnston

@STATCowboy

STATCowboy.com

STATCowboy on YouTube

(I have one video on Power BI but it's a
GOOD INTRO ONE!)

<https://github.com/STATCowboy>

