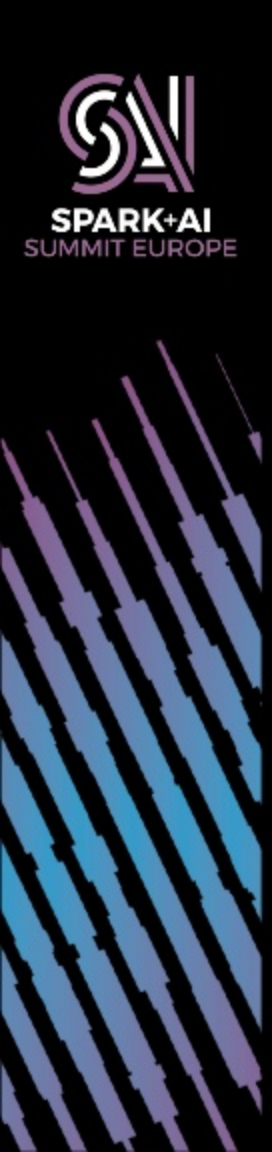


SPARK+AI SUMMIT EUROPE

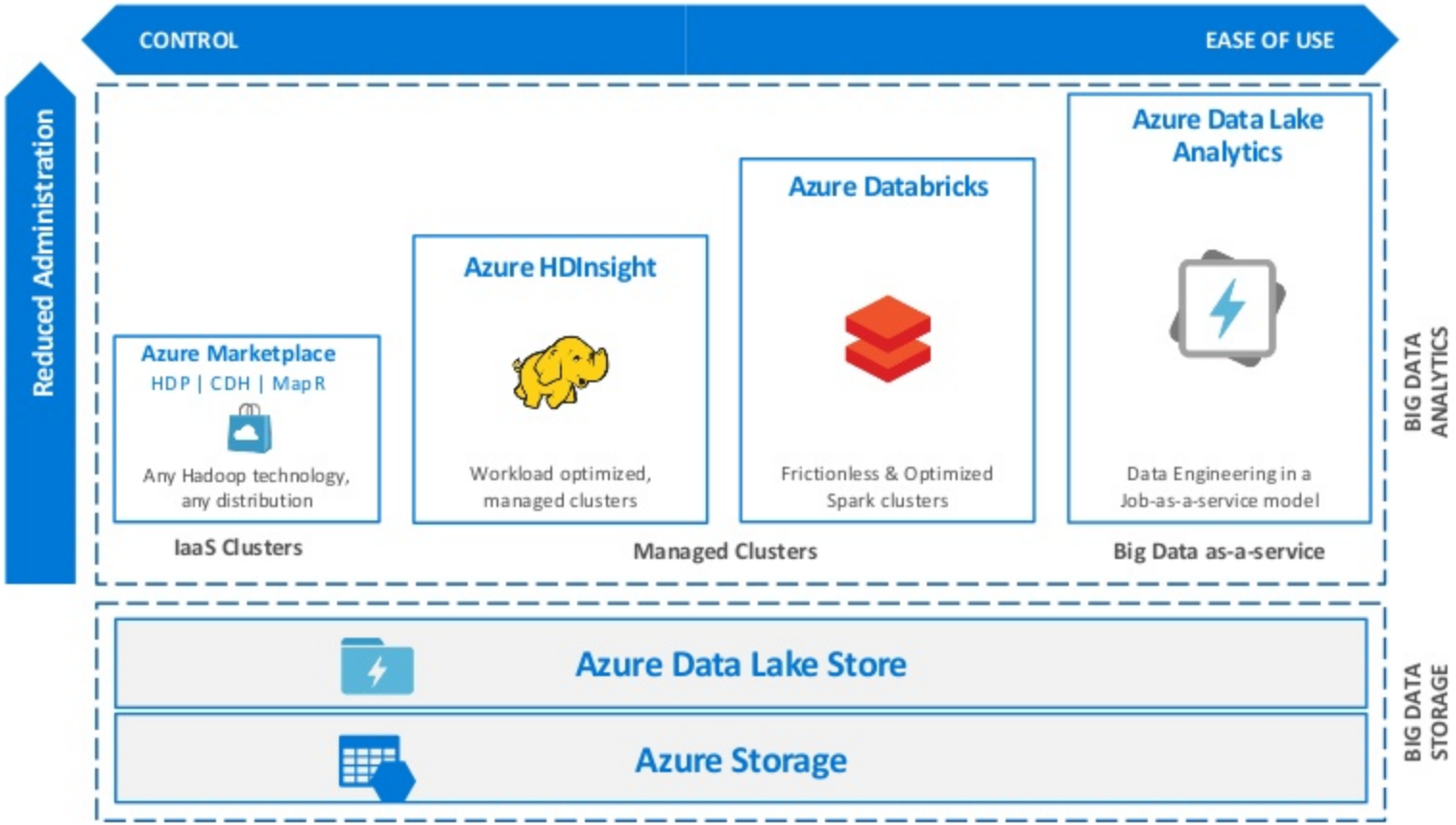
Azure Databricks Spark as a Service

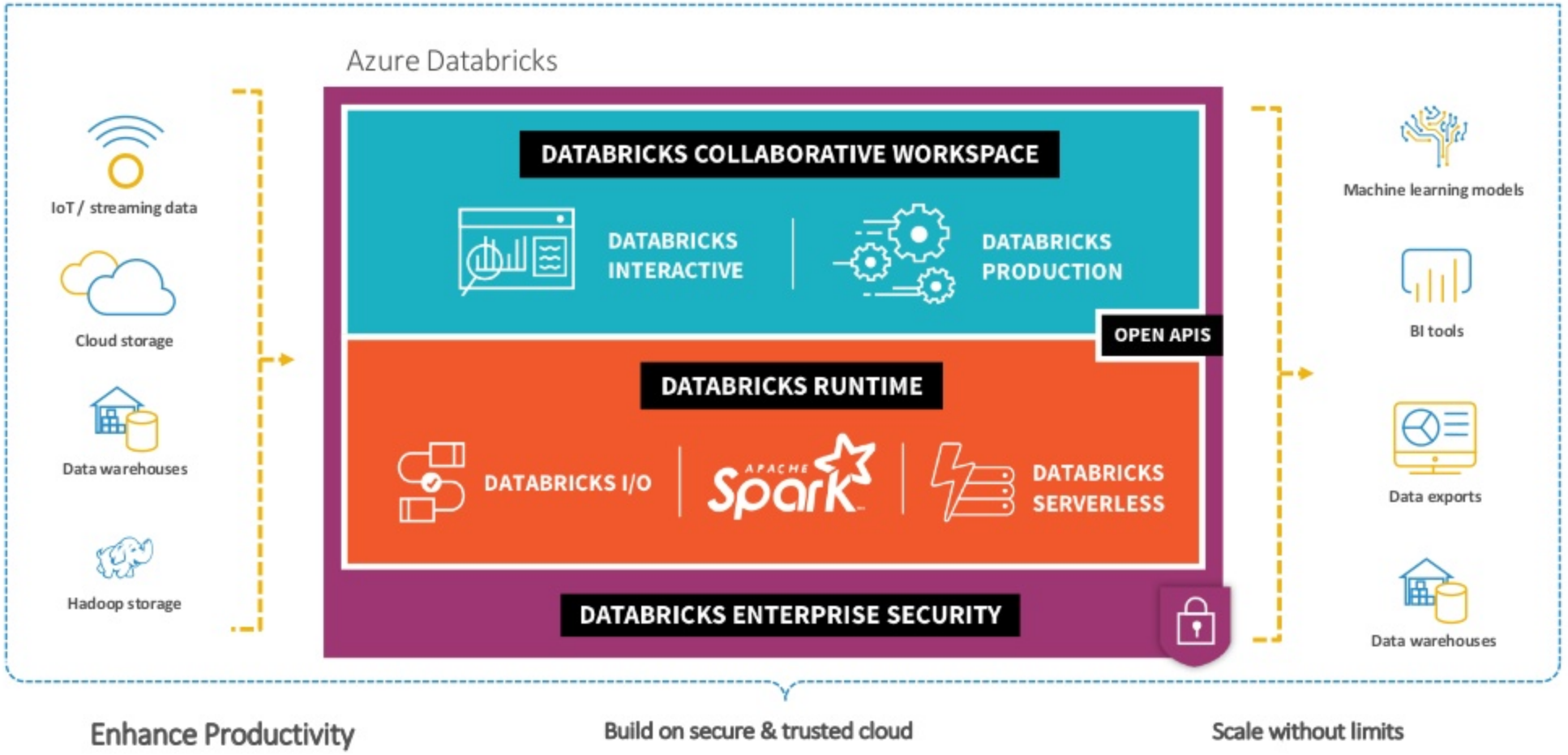
Sascha Dittmann, Microsoft Deutschland GmbH

#SAISDS6

@SaschaDittmann

databricks
Microsoft Azure


CONTROL
EASE OF USE
Reduced Administration
Azure Marketplace
HDP | CDH | MapR
Any Hadoop technology, any distribution
IaaS Clusters
Azure HDInsight
Workload optimized, managed clusters
Azure Databricks
Frictionless & Optimized Spark clusters
Managed Clusters
Azure Data Lake Analytics
Data Engineering in a Job-as-a-service model
Big Data as-a-service
BIG DATA ANALYTICS
Azure Data Lake Store
Azure Storage
BIG DATA STORAGE

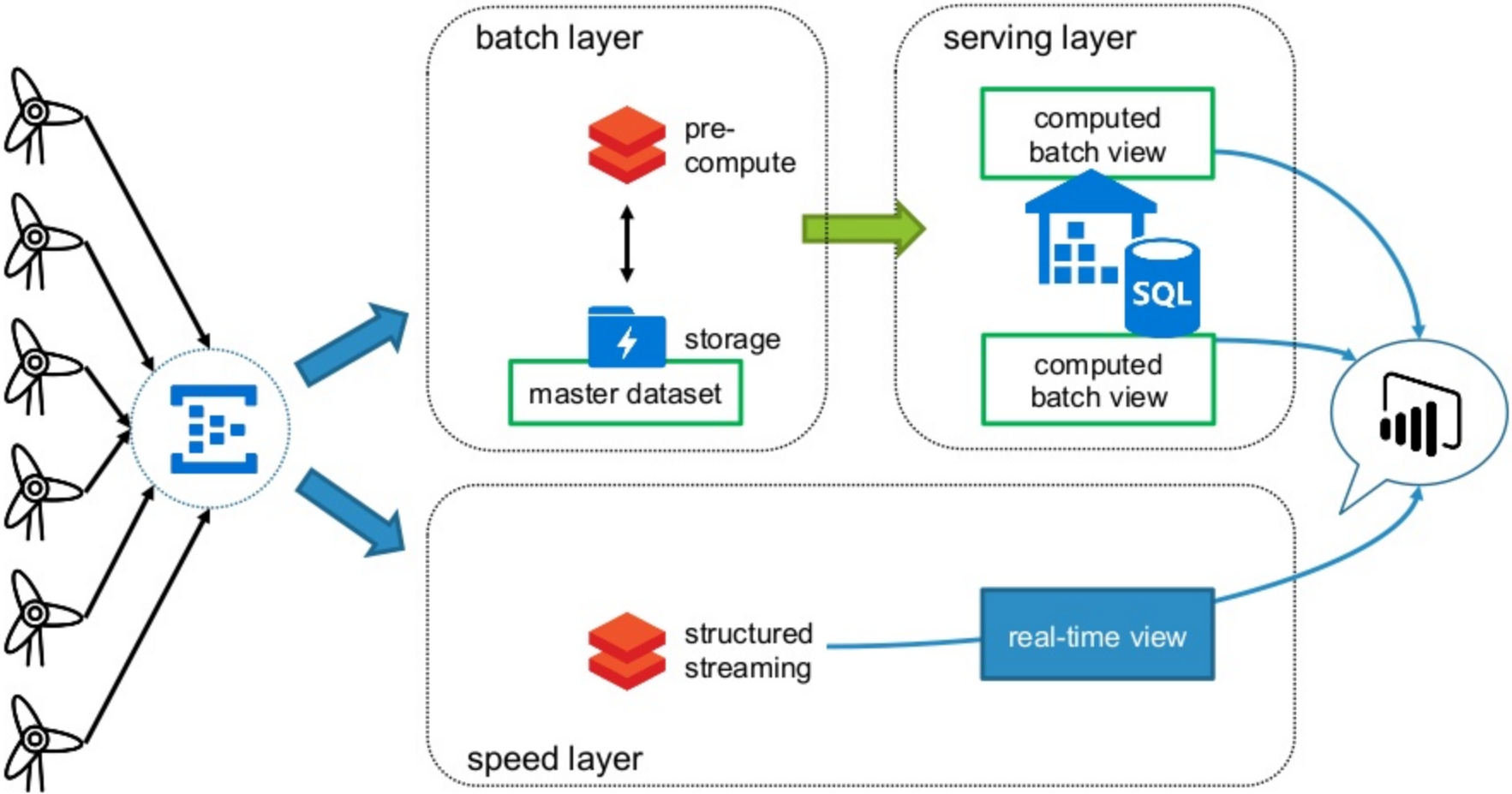

Azure Databricks
IoT / streaming data
Cloud storage
Data warehouses
Hadoop storage
DATABRICKS COLLABORATIVE WORKSPACE
DATABRICKS INTERACTIVE
DATABRICKS PRODUCTION
OPEN APIS
DATABRICKS RUNTIME
DATABRICKS I/O
APACHE Spark
DATABRICKS SERVERLESS
DATABRICKS ENTERPRISE SECURITY
Machine learning models
BI tools
Data exports
Data warehouses
Enhance Productivity
Build on secure & trusted cloud
Scale without limits

DEMO

How to get started with Azure Databricks

Use Case

Wind Farms


batch layer
pre-
compute
storage
master dataset
serving layer
computed
batch view
SQL
computed
batch view
structured
streaming
real-time view
speed layer

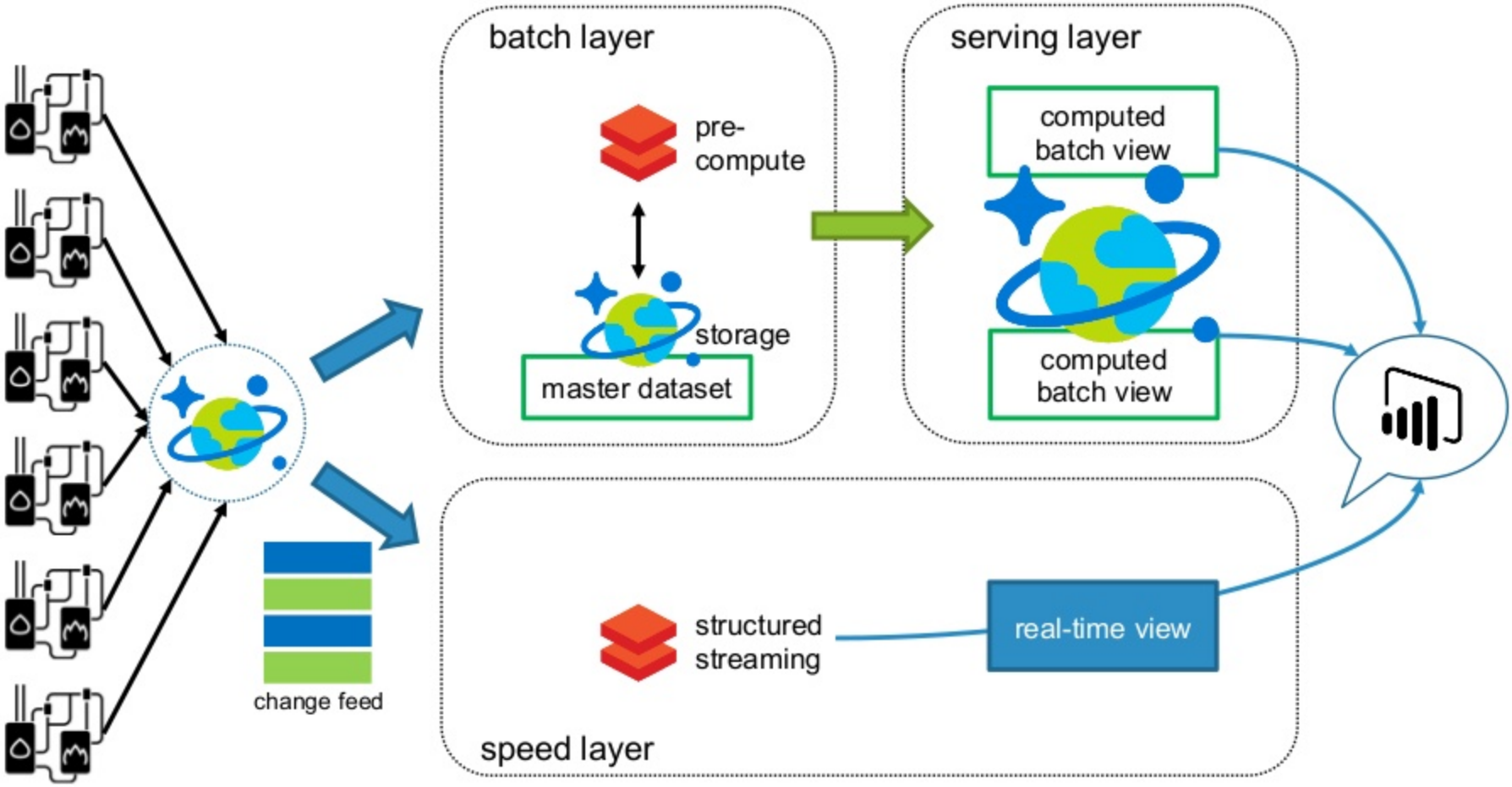
DEMO

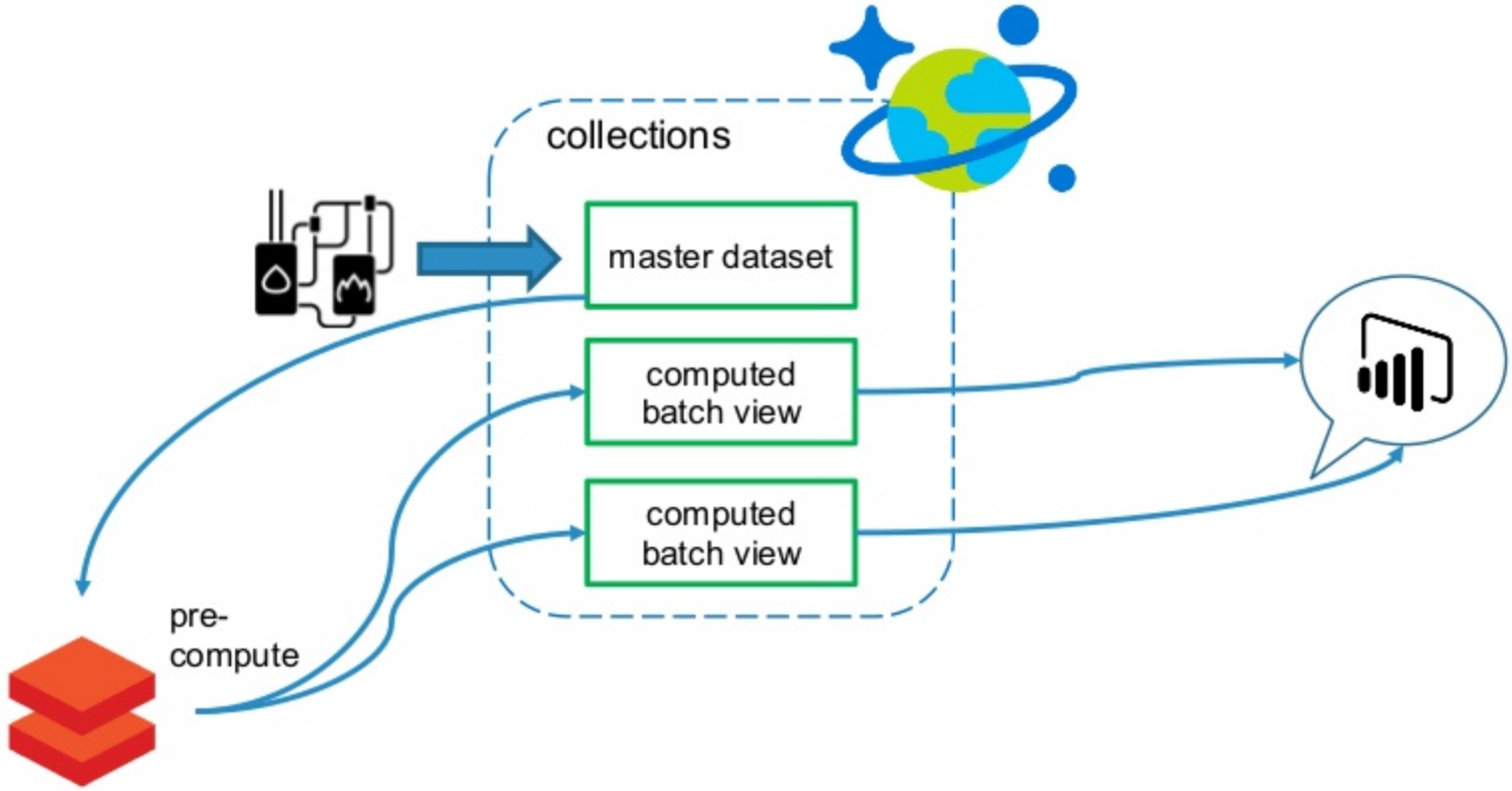
Use Case: Wind Farms

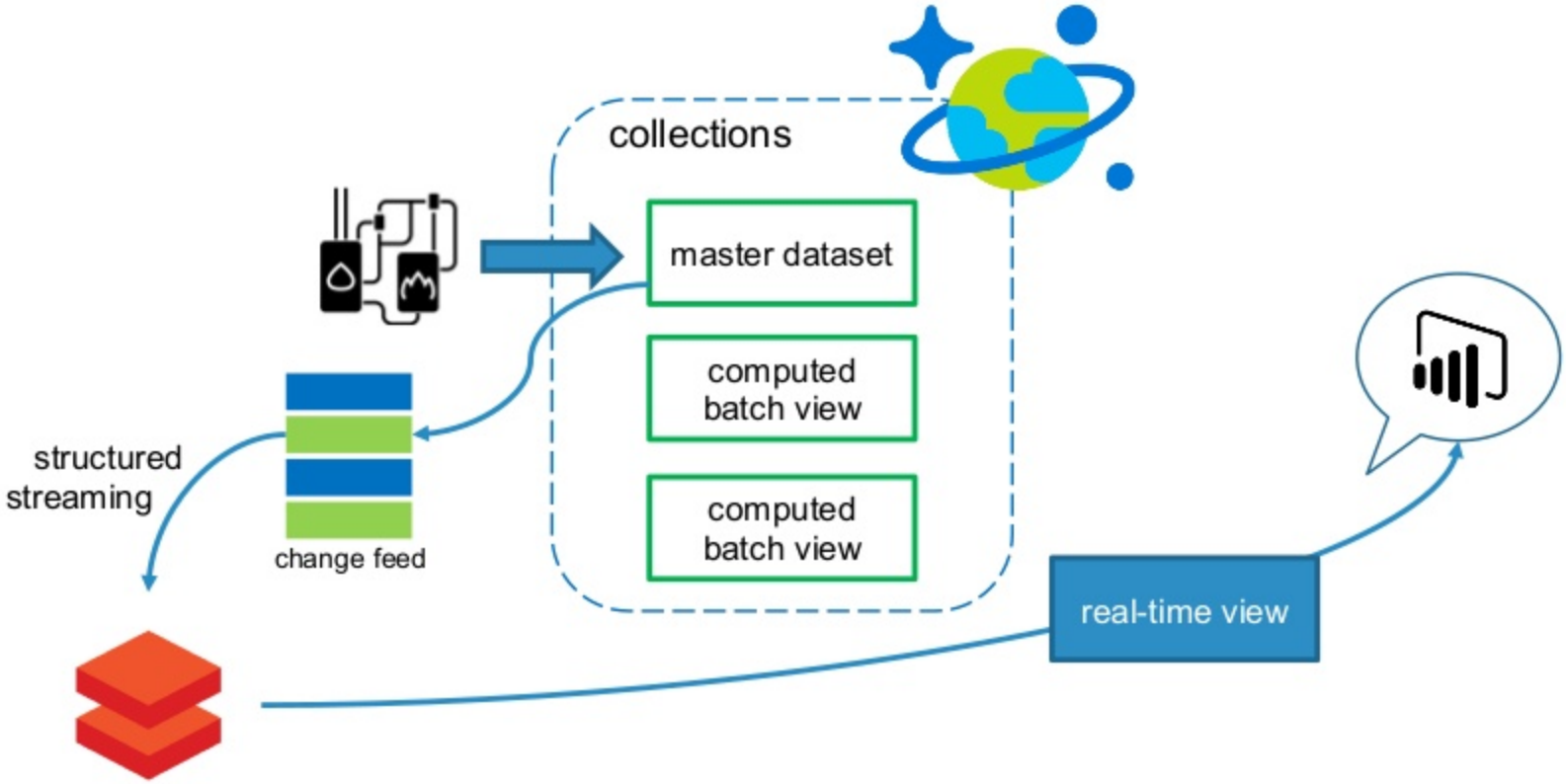
Use Case

Heating Systems

Azure Cosmos DB


batch layer
pre-
compute
storage
master dataset
serving layer
computed
batch view
computed
batch view
change feed
structured
streaming
real-time view
speed layer


collections
master dataset
computed
batch view
computed
batch view
pre-
compute


collections
master dataset
computed batch view
computed batch view
structured streaming
change feed
real-time view

DEMO

Use Case: Heating Systems

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