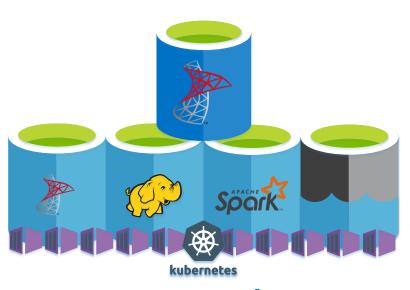
Paul Andrew | Senior Data Analytics Consultant & Data Platform | Microsoft Most Valuable Professional | Myr Microsoft | Micros



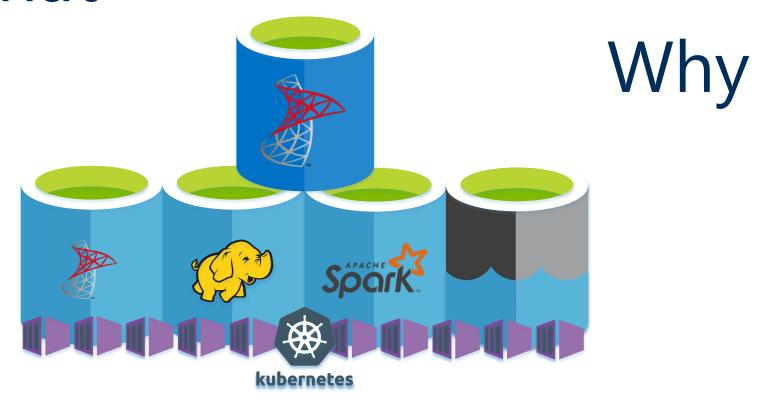




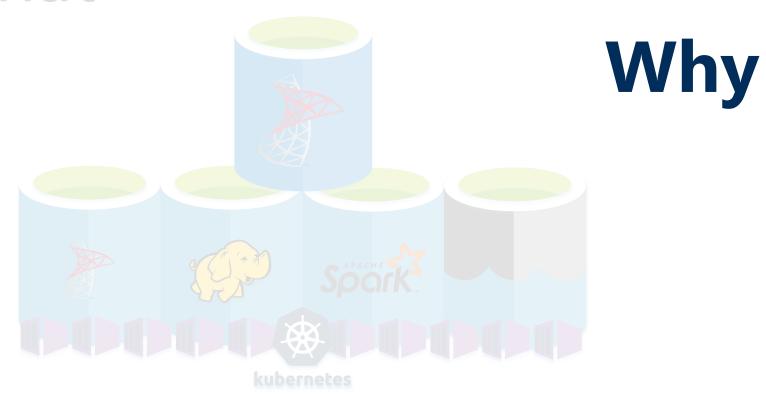
Big Data Clusters



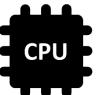






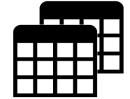






Distributed Computing





All Forms of Data Structure



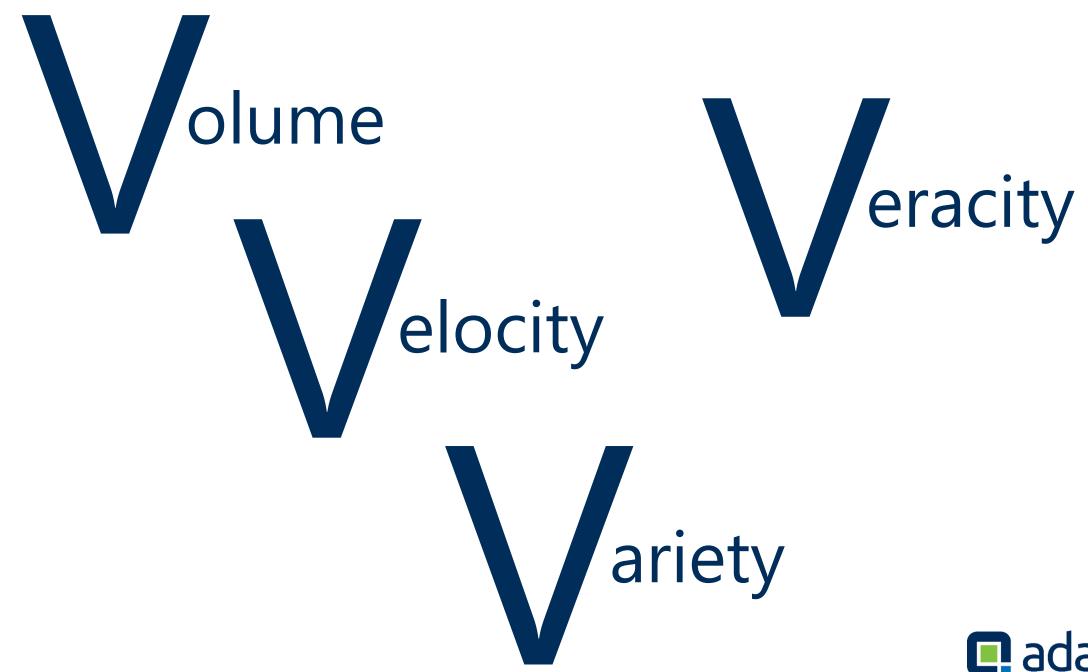
Storage Management Overheads



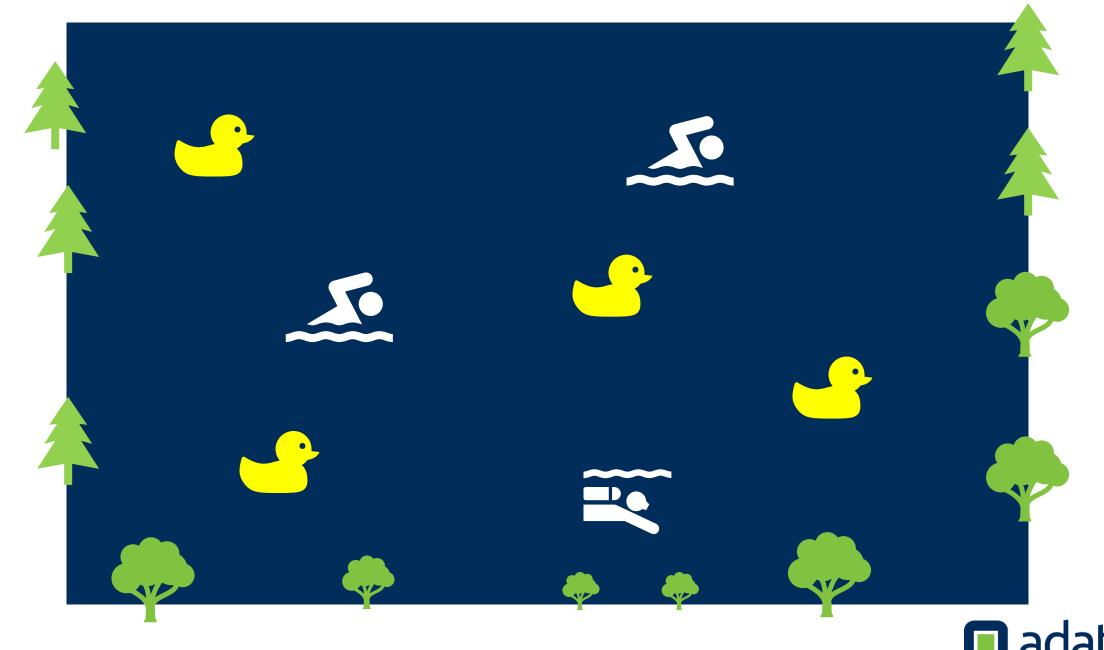
Sampling & Data Quality







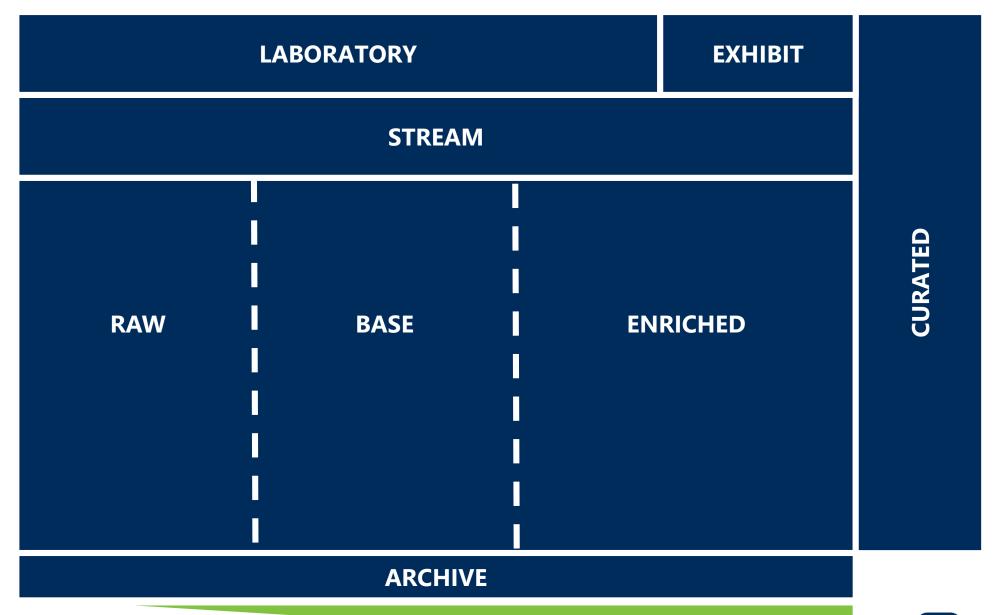




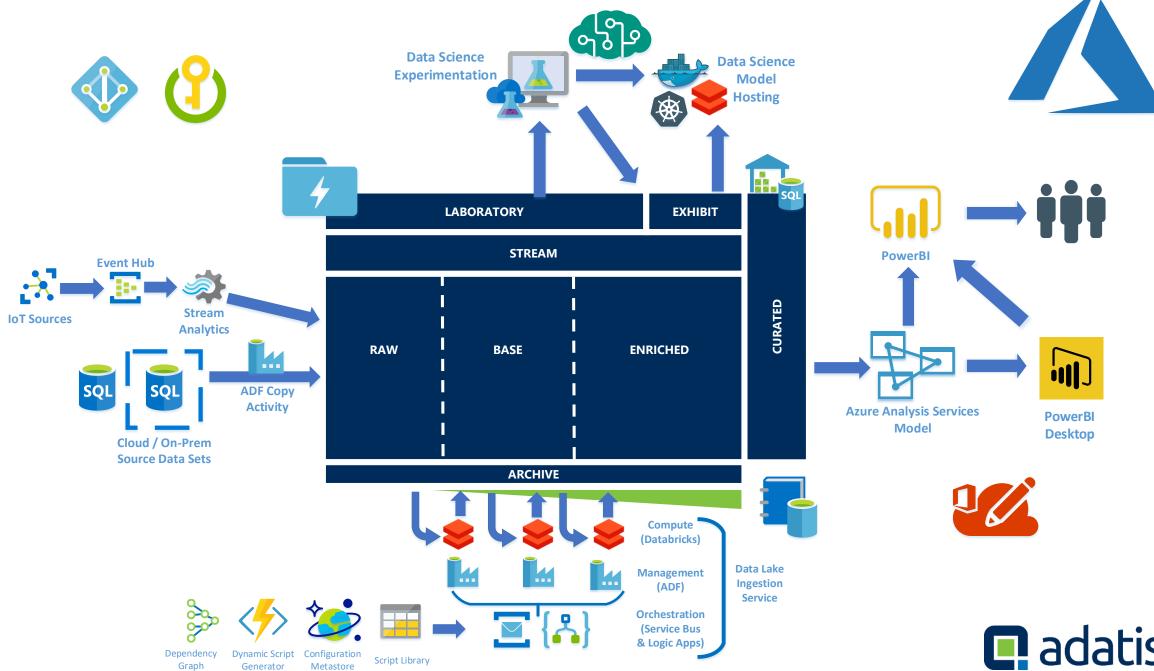




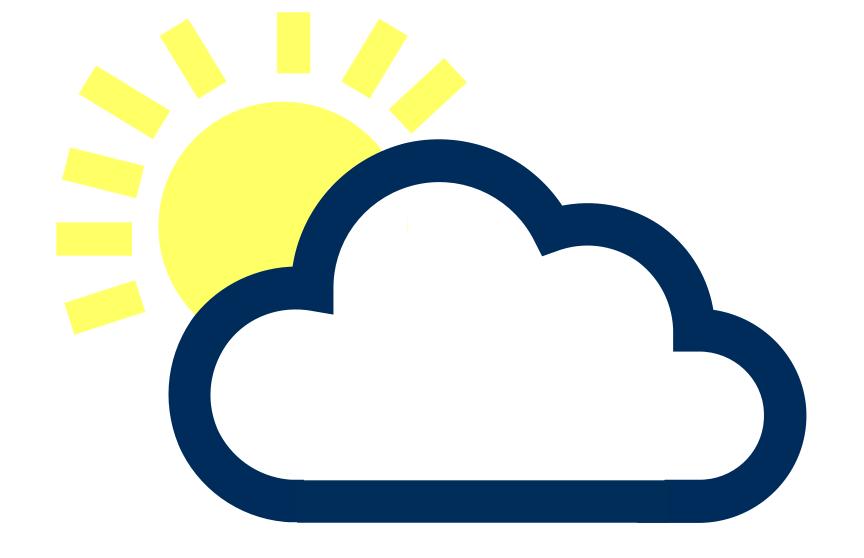










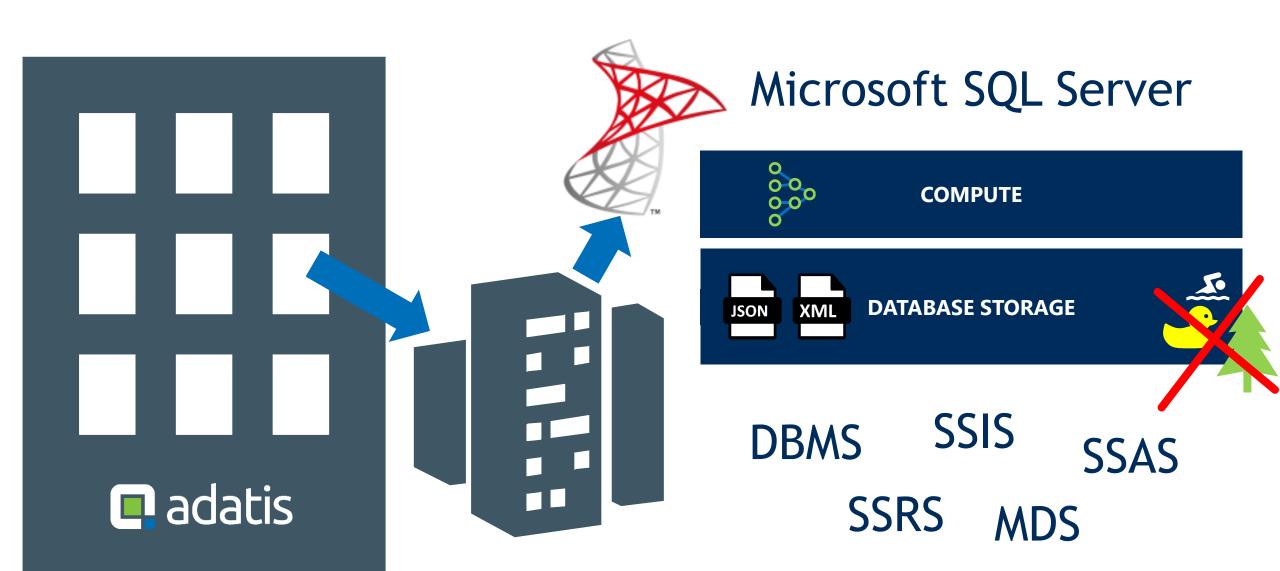


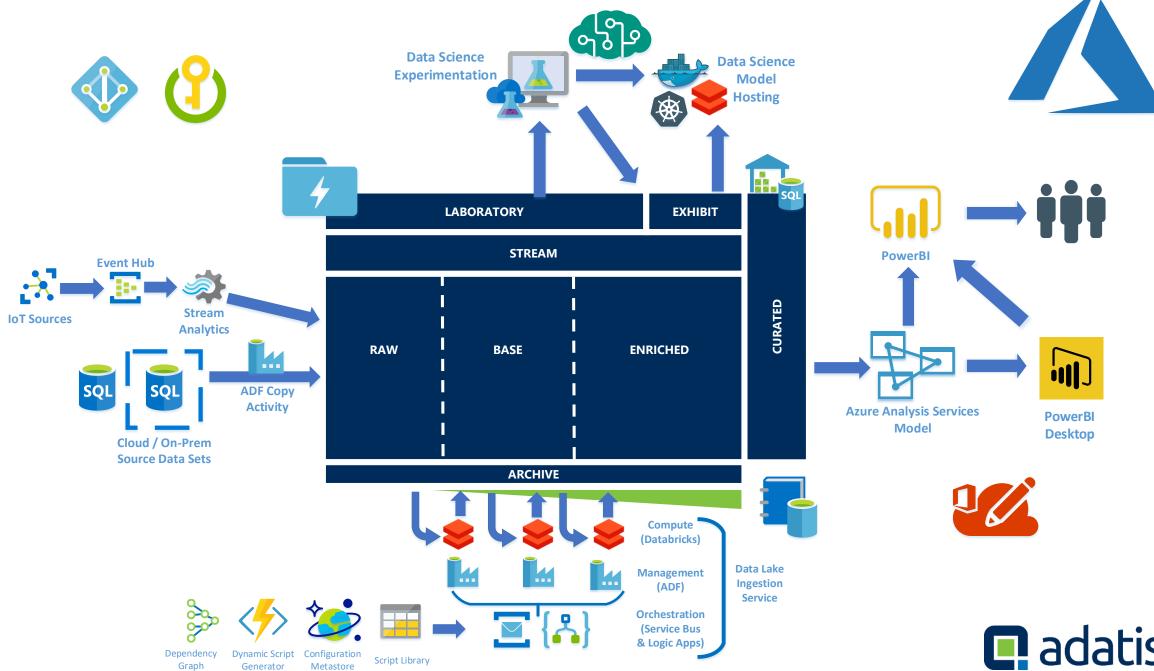




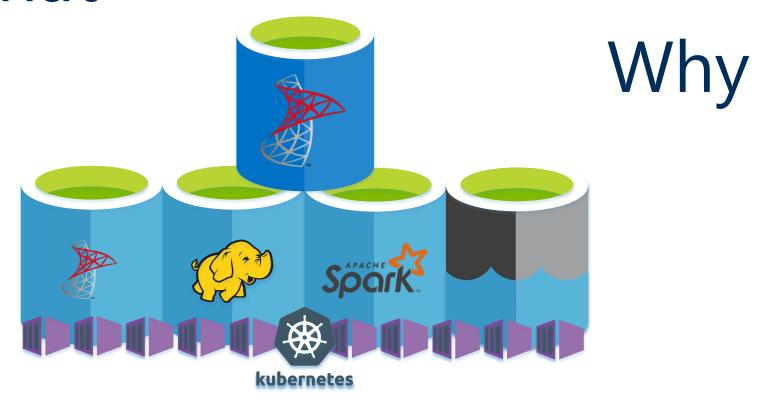


On Premises

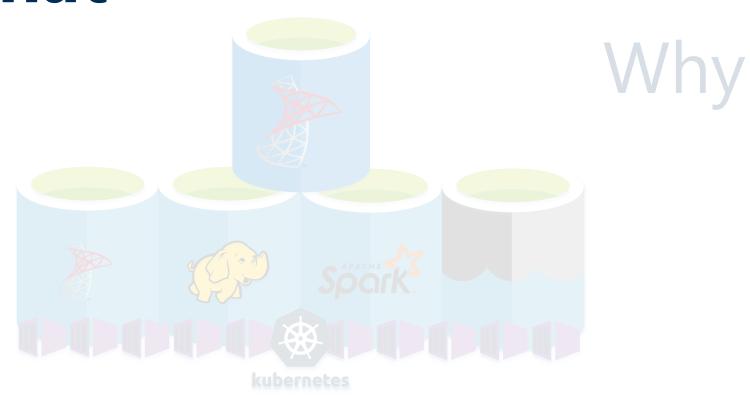














SQL Server - Product Evolution

Azure SQL Database (SQLDB)



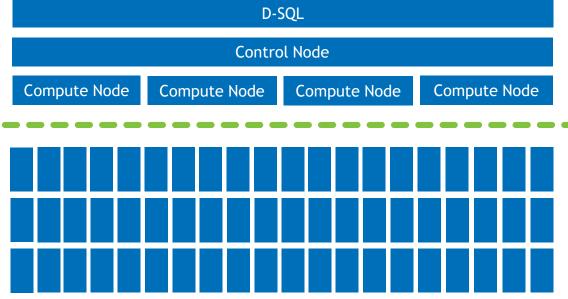
T-SQL

Compute Node

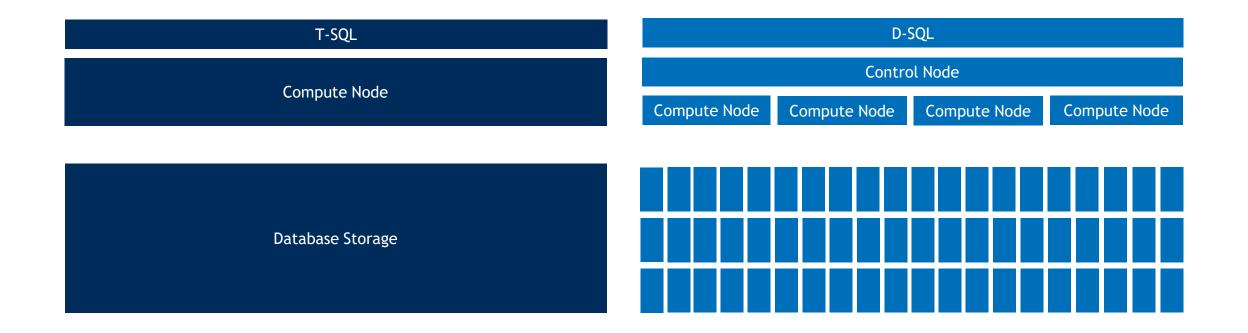


Azure SQL Data Warehouse (SQLDW)

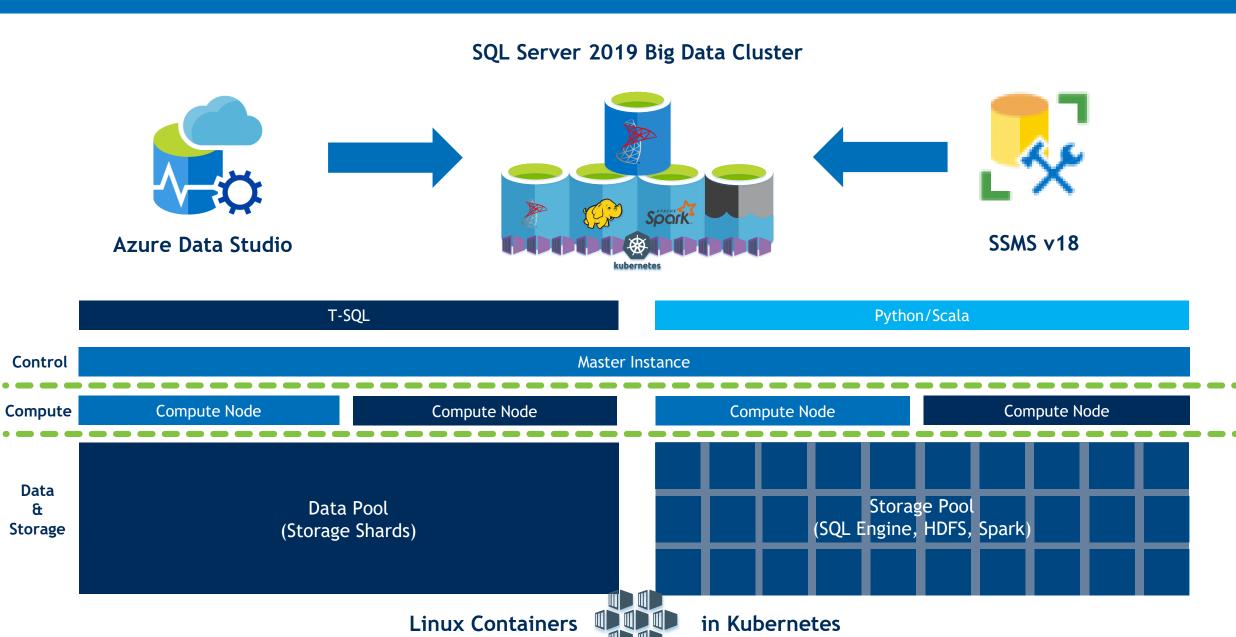


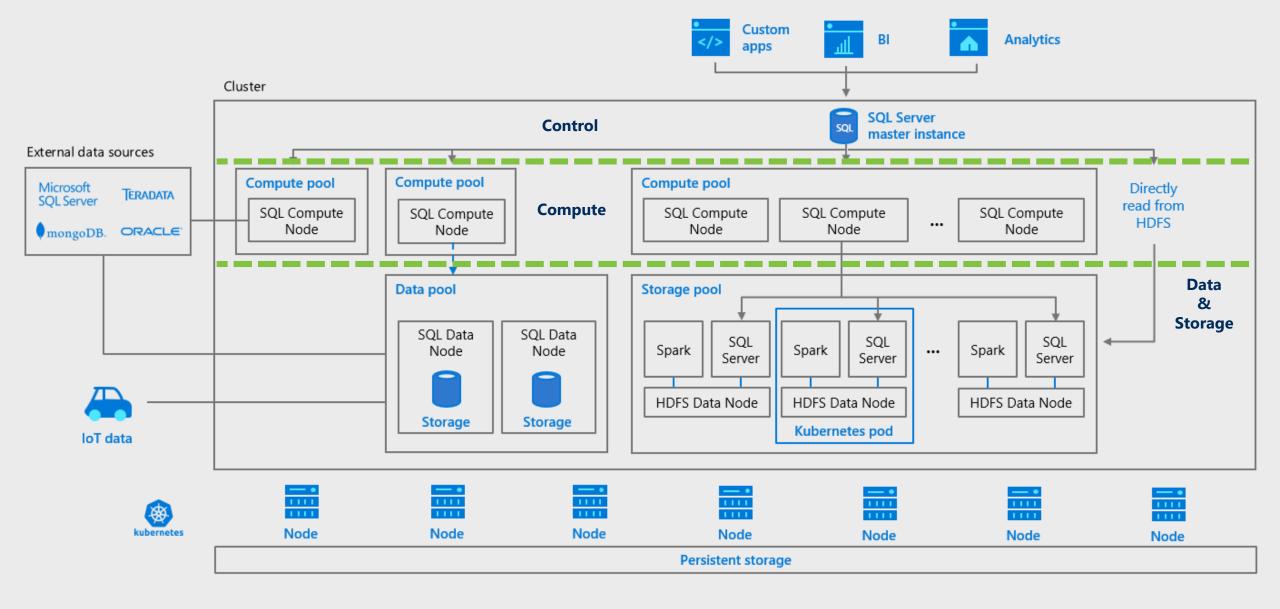


SQL Server - Product Evolution



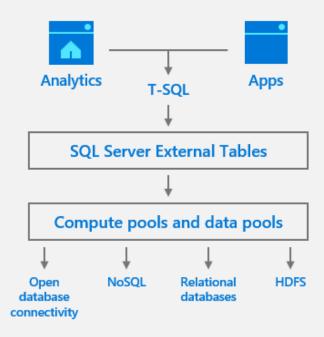
SQL Server - Product Evolution







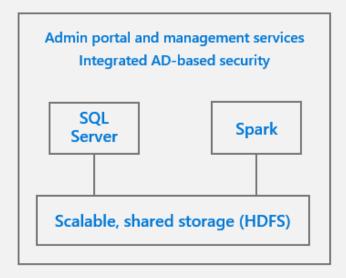
Data virtualization



Combine data from many sources without moving or replicating it

Scale out compute and caching to boost performance

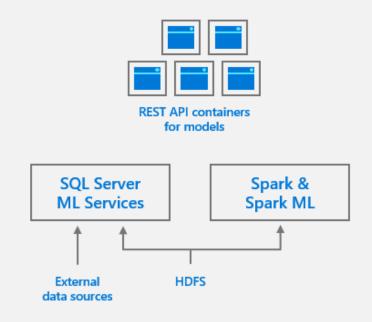
Managed SQL Server, Spark, and data lake



Store high volume data in a data lake and access it easily using either SQL or Spark

Management services, admin portal, and integrated security make it all easy to manage

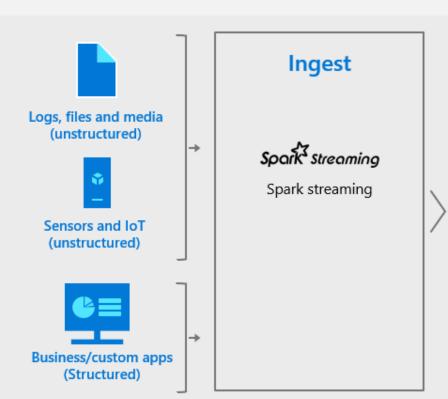
Complete AI platform

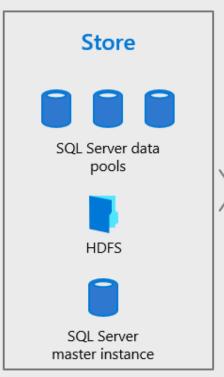


Easily feed integrated data from many sources to your model training

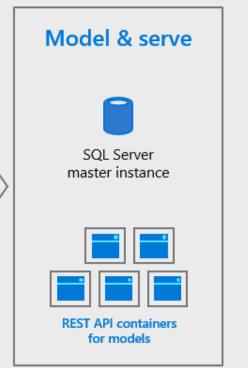
Ingest and prep data and then train, store, and operationalize your models all in one system



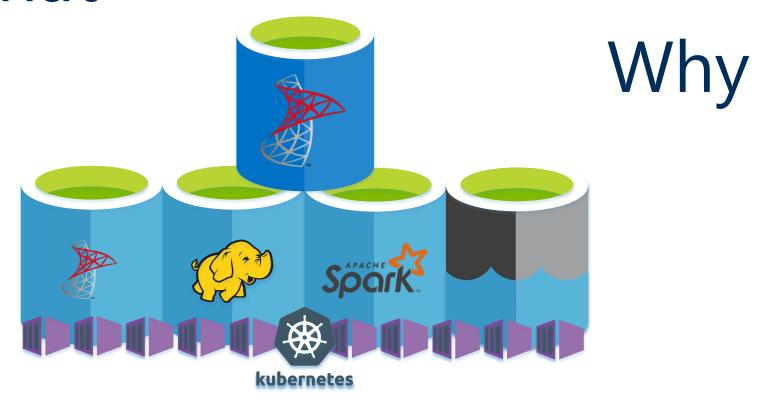




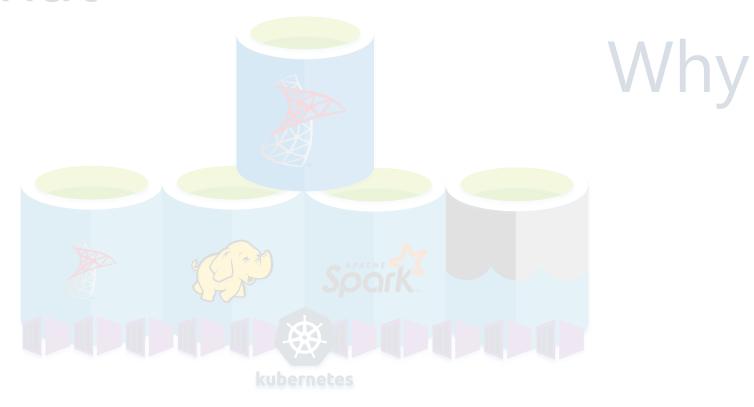










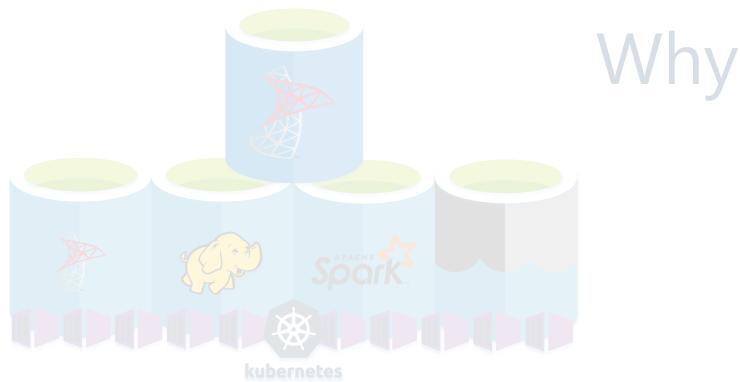




What Why

How...does a SQL Server Big Data Cluster address our big data problems?
do we implement this new product architecture?

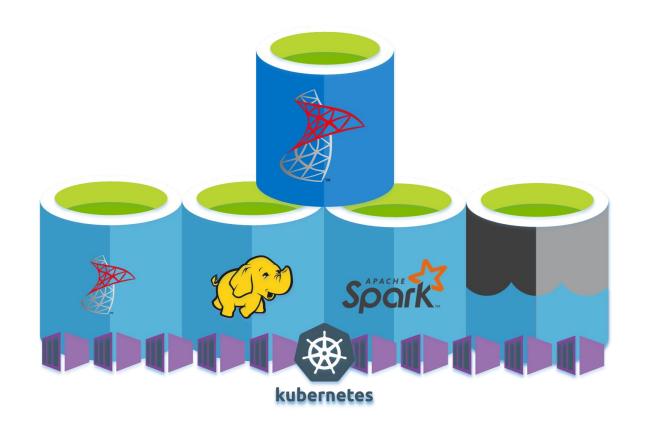
adatis



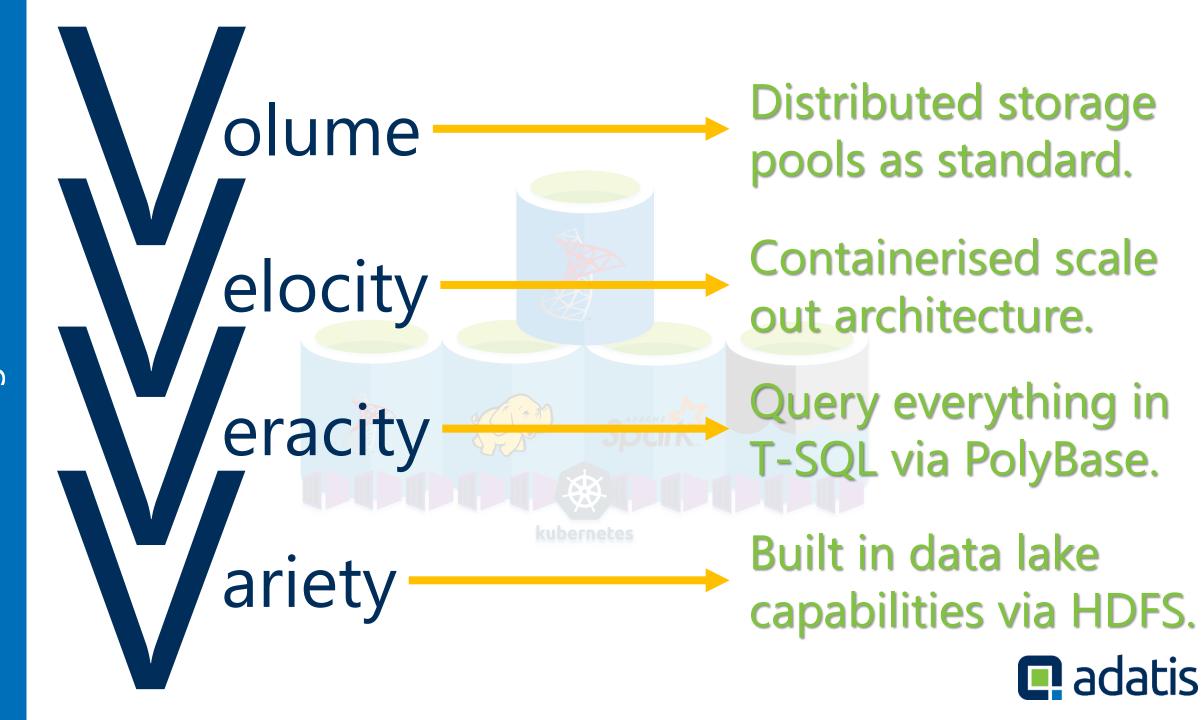
does a SQL Server Big Data Cluster address our big data problems?

do we implement this new product architecture?







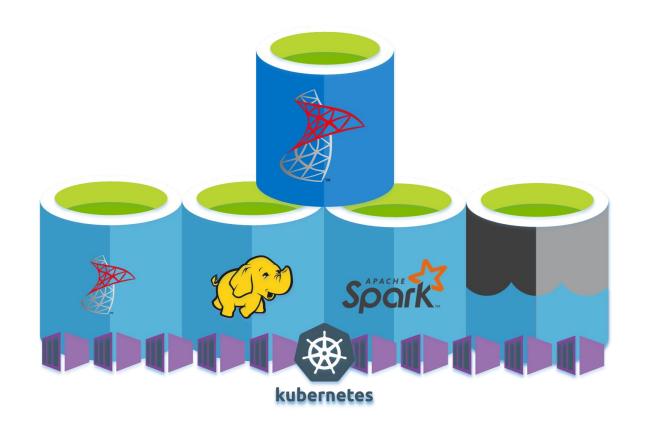


What Why

HOW. does a SQL Server Big Data Cluster address our big data problems?

do we implement this new product architecture?







kubernetes



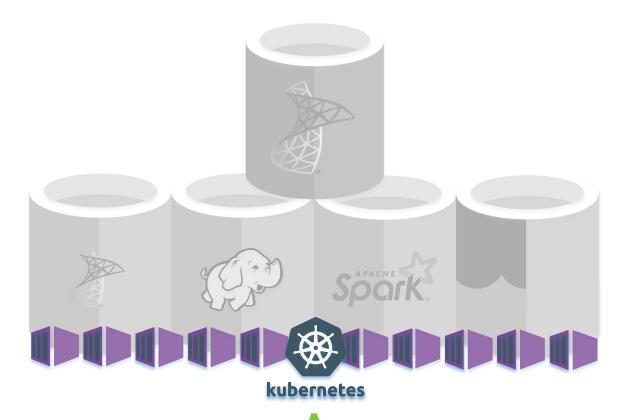
minikube



kubernetes











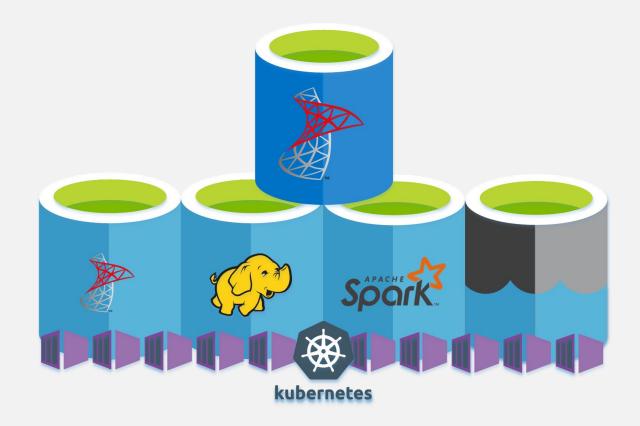


adatis

SQL Server 2019 Big Data Clusters

Cloud tech, using cloud concepts, now available on premises.

Not only cloud.





Reference Material

What's new in SQL Server 2019?

https://docs.microsoft.com/en-us/sql/sql-server/what-s-new-in-sql-server-ver15?view=sql-server-ver15

SQL Server 2019 White Paper

https://info.microsoft.com/ww-landing-SQLDB-Microsoft-SQL-Server-WhitePaper.html

Introducing SQL Server 2019 Big Data Clusters – Travis Wright

https://cloudblogs.microsoft.com/sqlserver/2018/09/25/introducing-microsoft-sql-server-2019-big-data-clusters/

MS Ignite Session – The future of querying big data with PolyBase and SQL Server https://myignite.techcommunity.microsoft.com/sessions/66201

MS Ignite Session – Deep dive on SQL Server and big data https://myignite.techcommunity.microsoft.com/sessions/65967

How to deploy SQL Server big data cluster on Kubernetes https://docs.microsoft.com/en-us/sql/big-data-cluster/deployment-guidance?view=sql-server-ver15

Deploy SQL Server big data cluster on Azure Kubernetes Service

https://docs.microsoft.com/en-us/sql/big-data-cluster/quickstart-big-data-cluster-deploy?view=sql-server-ver15

Thanks for Listening

Paul Andrew







Email: paul@mrpaulandrew.com

Blog: mrpaulandrew.com

GitHub: github.com/mrpaulandrew

