



**Hewlett Packard
Enterprise**



Moving beyond relational database with SQL Server and HPE Elastic Platform for Analytics

Turn your critical data into real-time business
insights

September 2018

Agenda

- Analytics at the heart of the digital transformation
- HPE's Elastic Platform for Analytics (EPA) – a platform for the edge to core data analytics pipeline
- Moving beyond the relational DB with SQL Server.....in action!

Reaching toward transformation

Desired outcomes

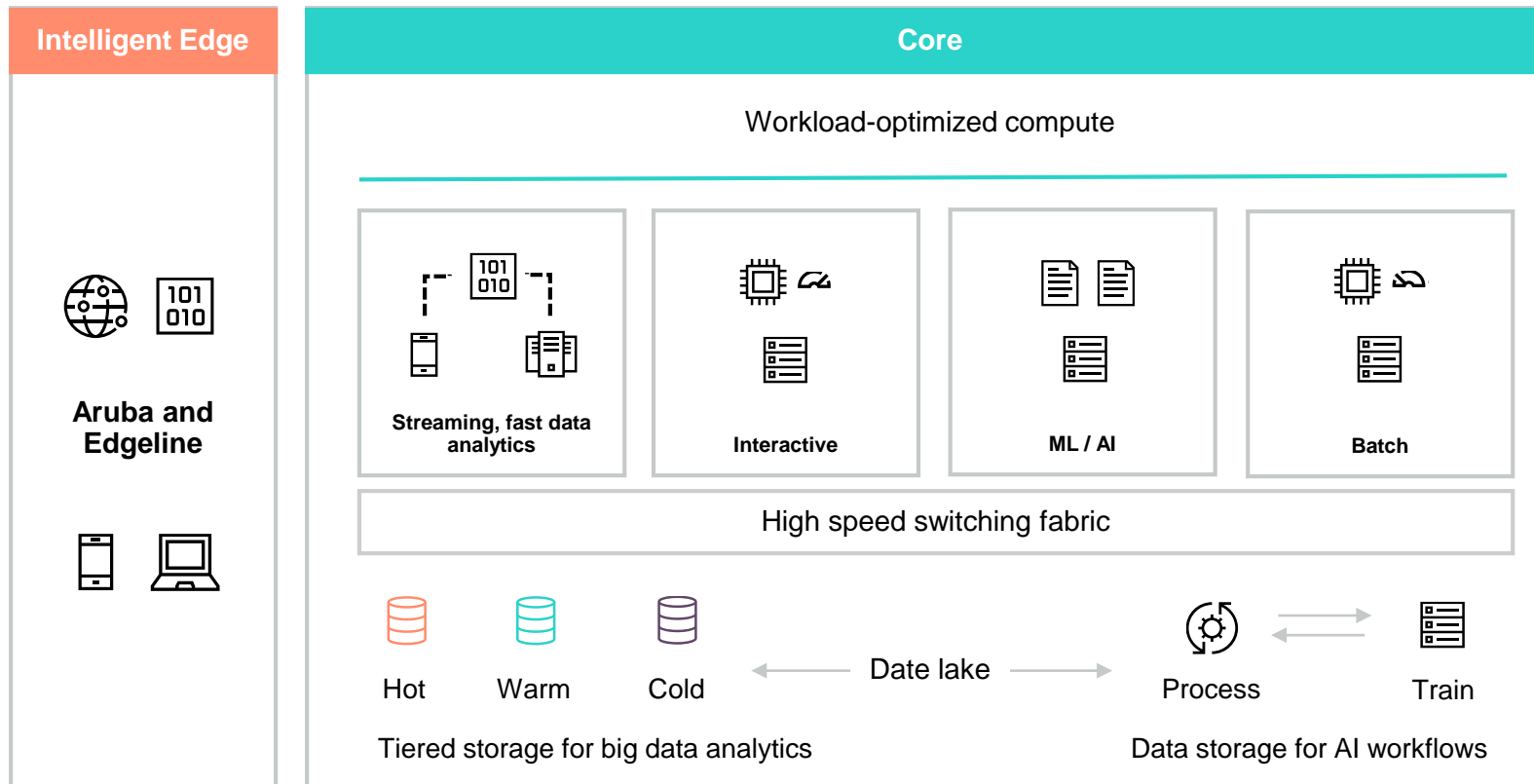


Obstacles to overcome

- Architectural limitations of existing data lakes and batch-oriented systems for handling new workloads
- Difficult to capture and analyze all forms of data when needed
- Overwhelming flow of new data types from the edge
- Data protection, curation and governance in a still-evolving technological space

HPE Elastic Platform for Analytics

Infrastructure for edge to core analytics



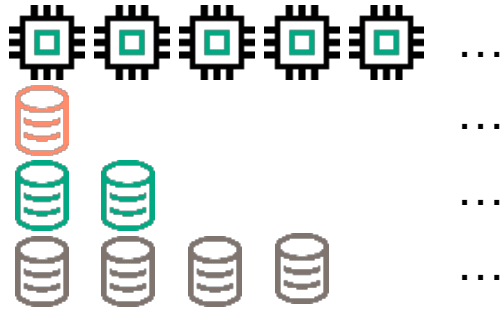
HPE Elastic Platform benefits

- Independently scale compute and resource tiers
- Add compute nodes without repartitioning data
- Shift node purpose on-the-fly
- Rapidly deploy, move workloads and models with containers
- Own or consume IT with HPE Flexible Capacity

HPE Enterprise Solutions and performance-validated configurations

Performance | Security | Best practices

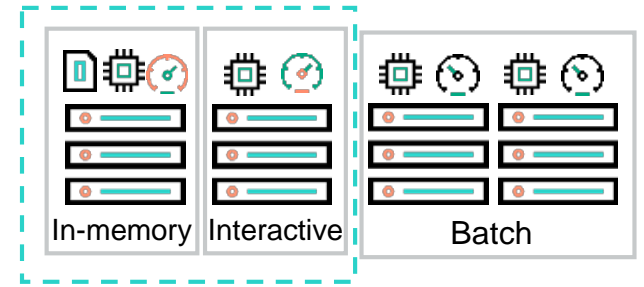
What are the benefits of an elastic platform?



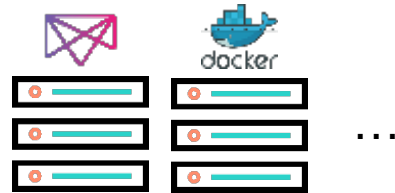
Scale nodes / resources independently



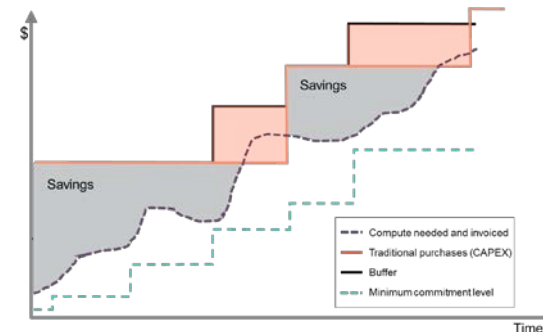
Add compute nodes without repartitioning data



Shift node purpose on-the-fly



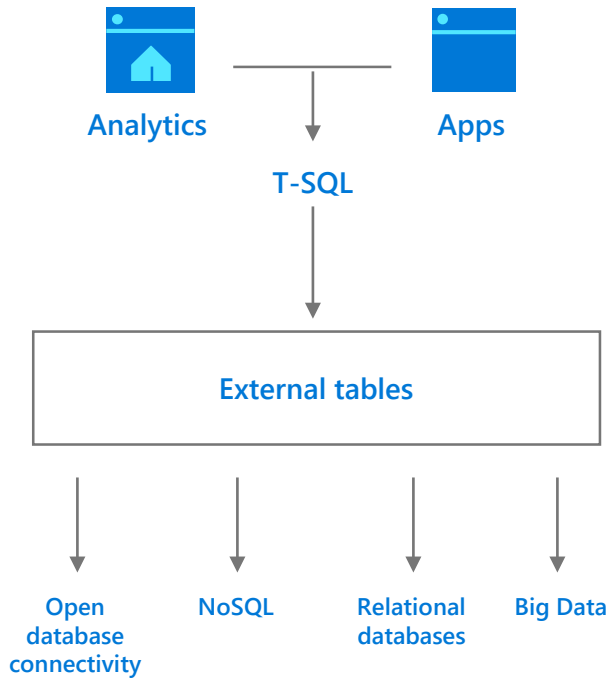
Containers enable rapid deployment and movement of workloads and models



HPE Flexible Capacity for consumption-based IT

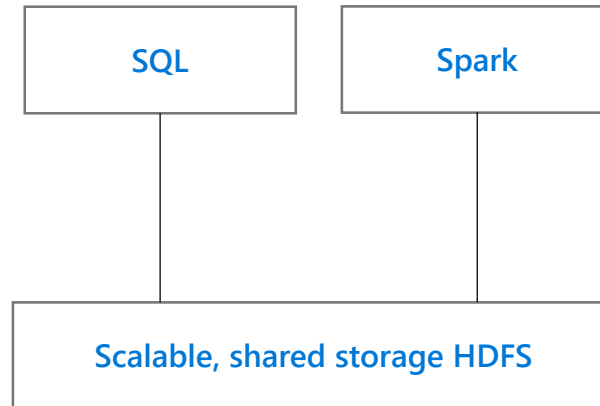
Better access to all your data

Data virtualization



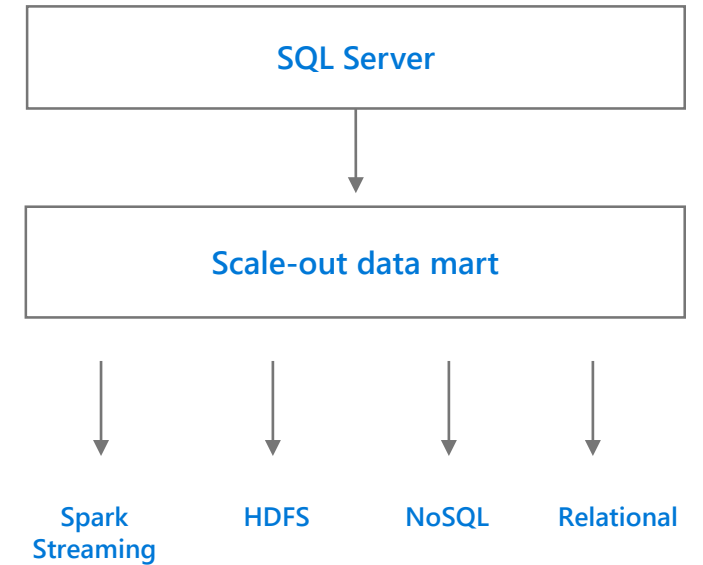
Combine data from many sources without moving or replicating it

Data lake



Provide analytics over all my data structured and unstructured

Scale-out data mart



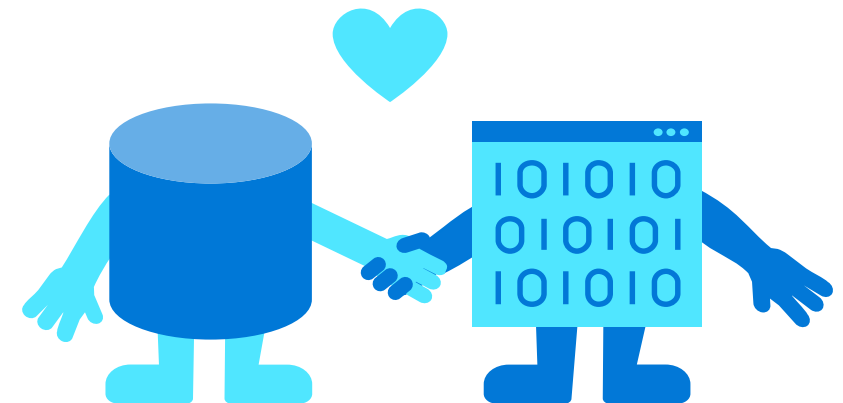
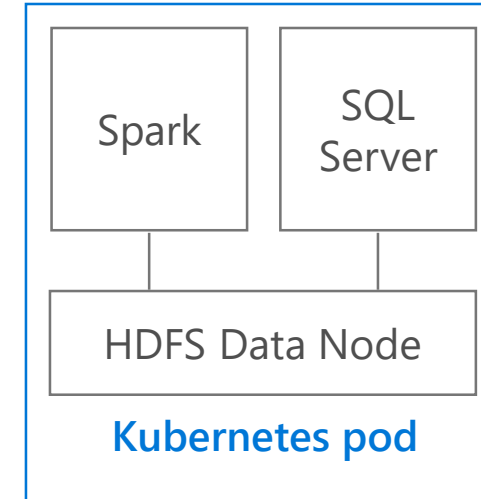
Scale out compute & storage for faster analytics over Big Data

Easily design and deploy a Big Data cluster

Easily design and deploy a Big Data cluster using Microsoft's Kubernetes-based Big Data distribution

Hadoop Distributed File System (HDFS) storage, SQL Server relational engine, and Spark analytics are deployed as containers in one easy-to-manage package

Now, SQL Server can read and write to HDFS files natively, locally on each data node.

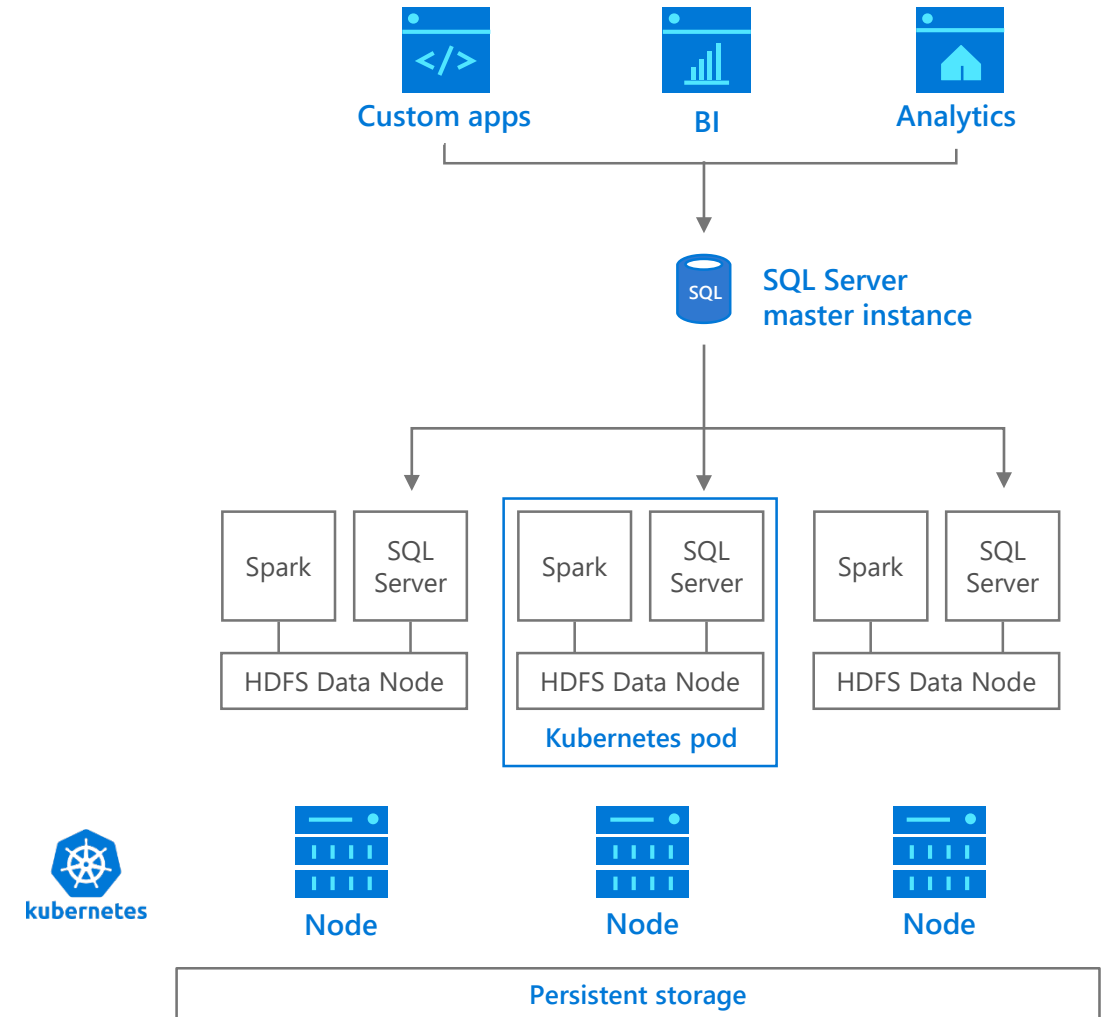


Scale Big Data on demand

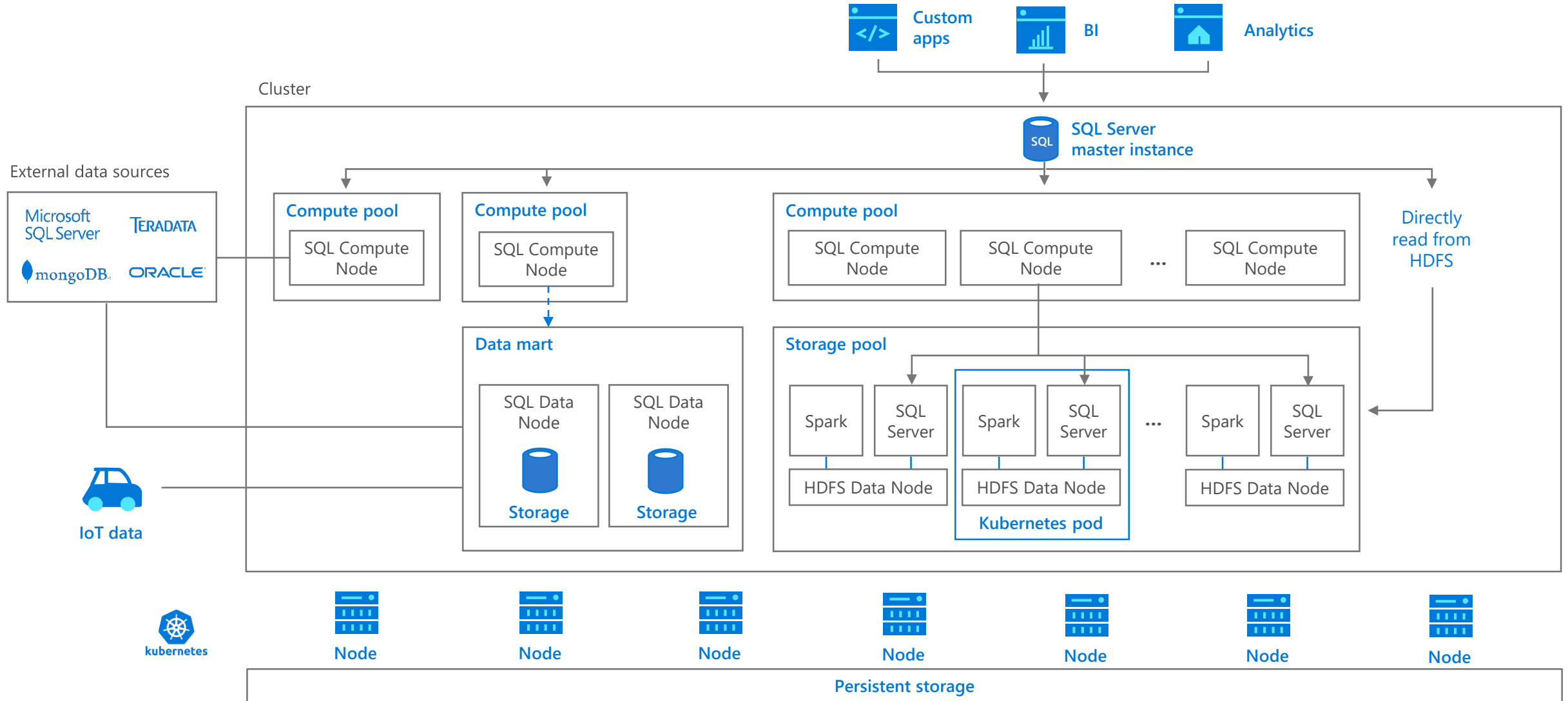
SQL Server can now read directly from HDFS

Elastically scale compute and storage on demand using HDFS-based storage pools and SQL Server-based compute pools

Apps, BI, and analytics access Big Data through the SQL Server master instance

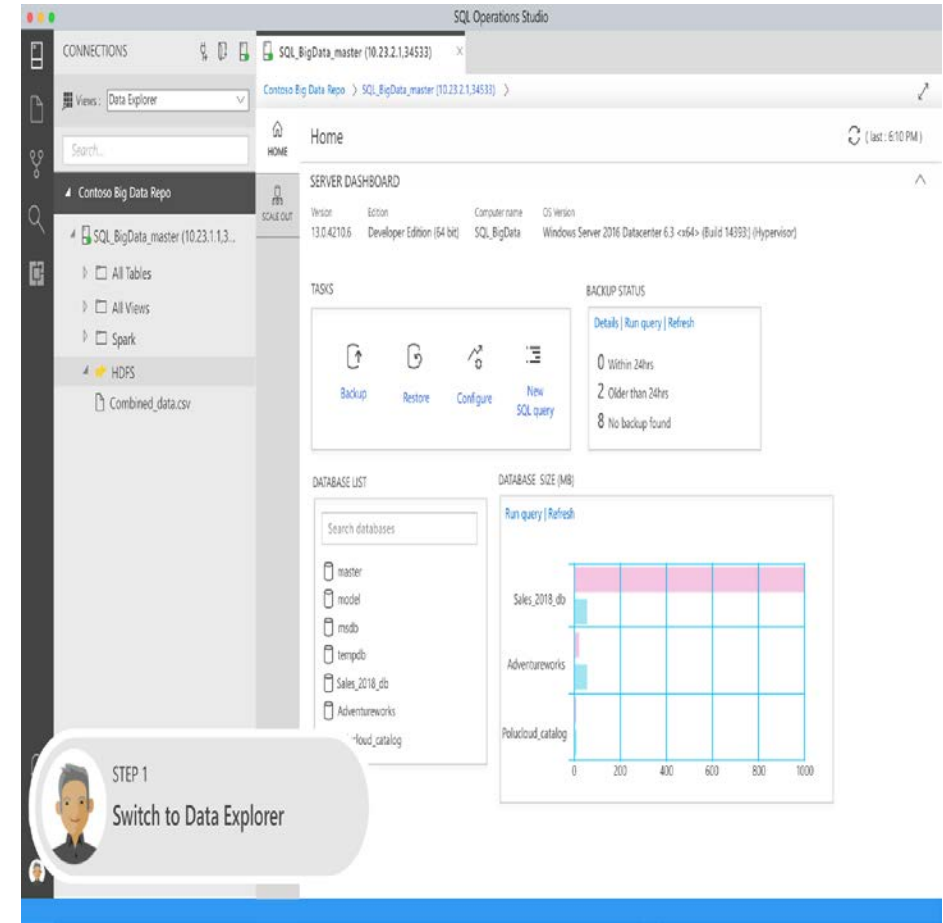
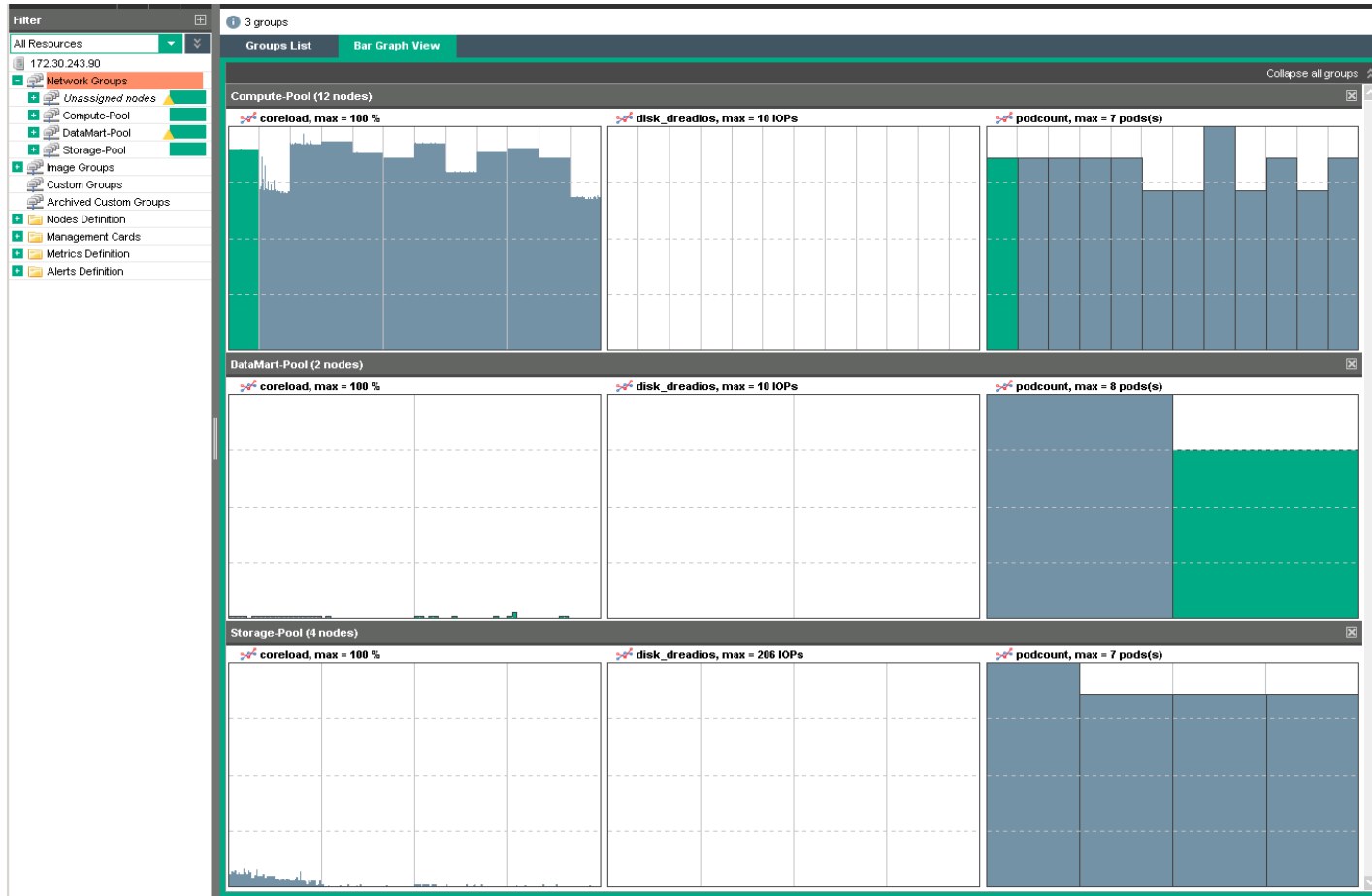


SQL Server aligns with EPA



SQL Server in action!!

HPE EPA for SQL Server





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Thank you