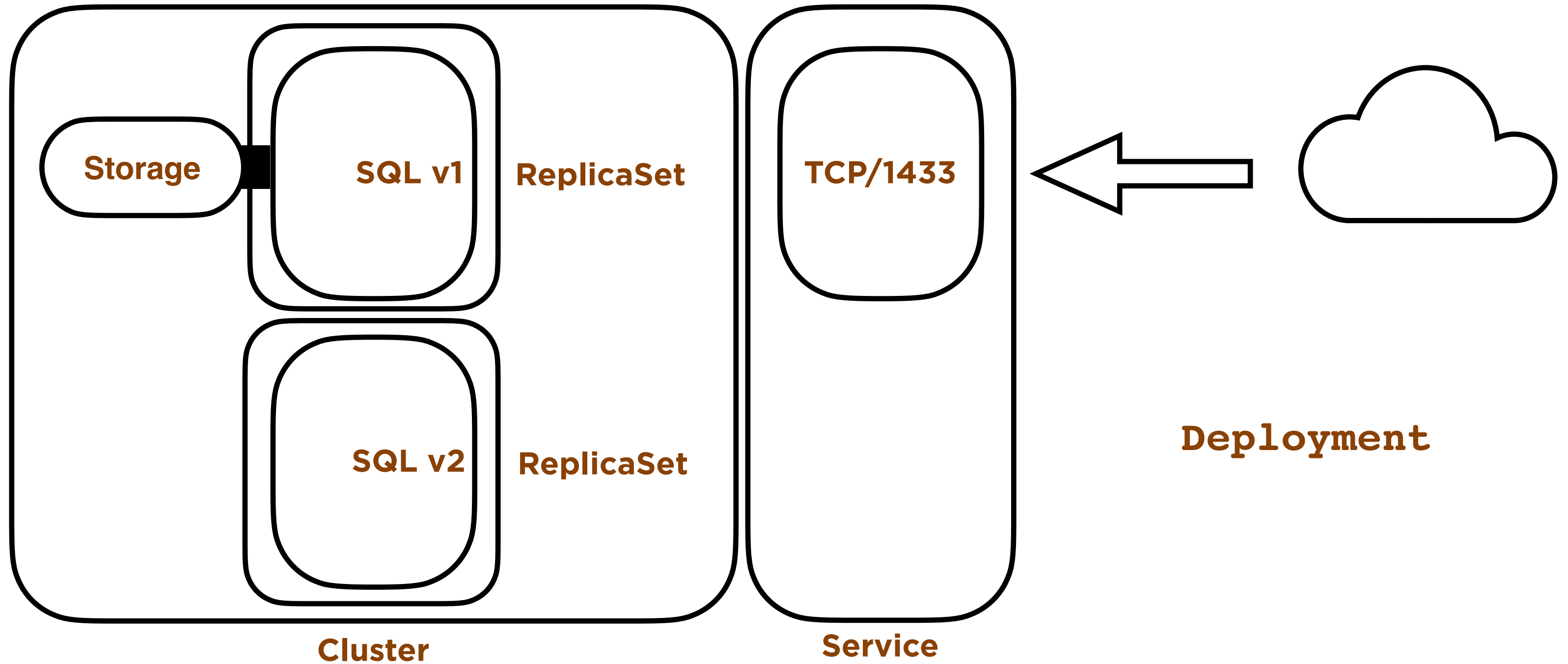


# Kubernetes 101

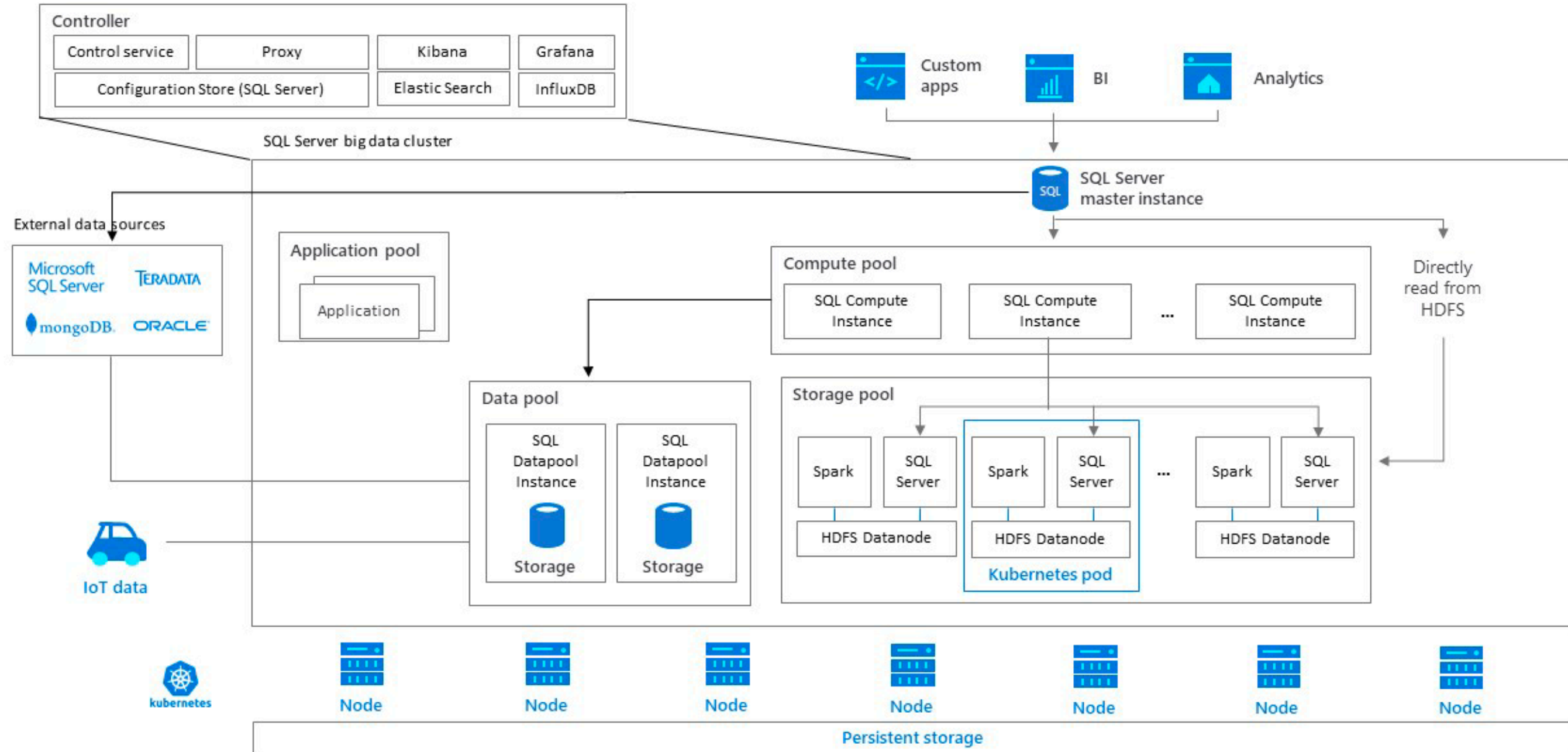
- Container Orchestrator
- Pods are Container Based Applications
- A Cluster is a Collection of Compute Resources
- Infrastructure Abstraction
- Declarative Configuration in Code
- Desired State



# Decoupling Data and Computation



# Big Data Clusters



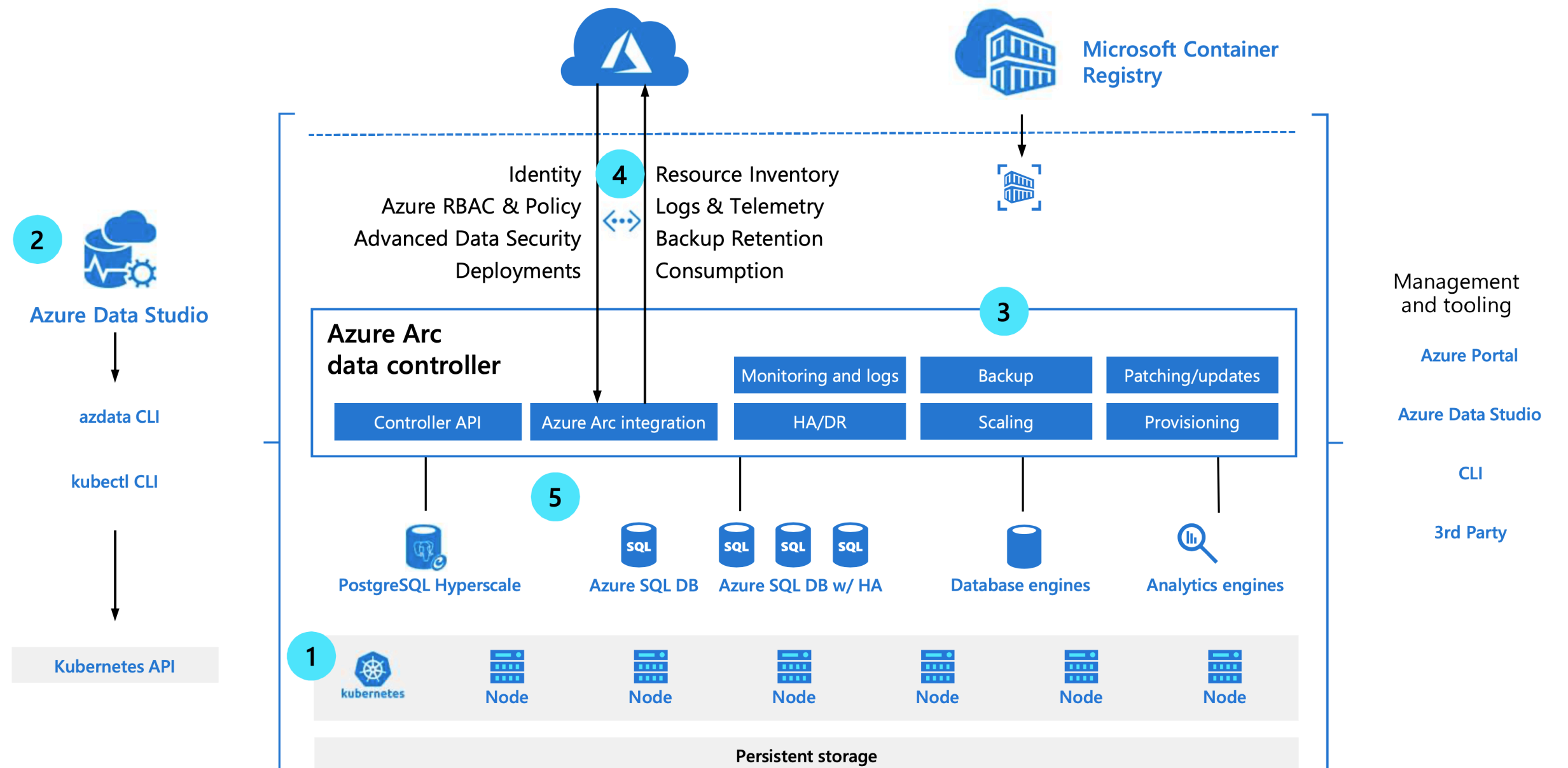
<https://docs.microsoft.com/en-us/sql/big-data-cluster/big-data-cluster-overview?view=sqlallproducts-allversions>

# Azure Arc - Data Services

## How it works: architecture of Azure data services on customer infrastructure

A few steps to get Azure data services in your environment:

- 1 Have Kubernetes on your infrastructure
- 2 Prepare environment with APIs and CLIs
- 3 Install Azure Arc data controller
- 4 Connect to Azure
- 5 Deploy and run Azure data services for your workloads



# Resources

- <https://github.com/nocentino/Presentations/tree/master/DataExposed>
- <https://docs.microsoft.com/en-us/sql/linux/tutorial-sql-server-containers-kubernetes>