

Analytic Needs Are Evolving

Central high-performance data & analytics that run the Department

ENTERPRISE ANALYTICS

Demanding Risk & Regulatory Requirements

COMPUTE ISOLATION

Drive Down the Cost & Risk of Experimenting with New Ideas

ANALYTIC INNOVATION

DEPARTMENTAL & AD HOC NEEDS

Project-Based Work
Business Hours vs Non
Monthly/Quarterly Reporting

DATA LAKE EXPLORATION

Uncovering Value in Low-Cost
Infinite Storage

Data Sharing

Efficient methods to share data assets between Departments and beyond

Cloud Migration Agendas Accelerate Change

Re-evaluation of approaches to analytic data management



Changing Responsibilities

Large, centralised IT teams are reducing their scope and influence as budget-holding business teams are becoming more accountable for solution delivery.



Eliminate legacy

Organisations are keen to be seen as “tech companies” leveraging modern approaches to delivery and deploying the latest and greatest technologies.



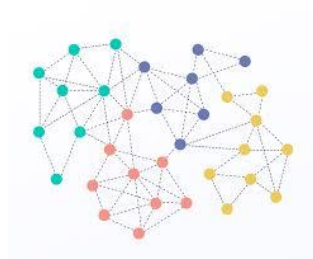
Increased Agility

Improve time to market, being able to respond quickly in response to extreme events, new competition, or changing market conditions.

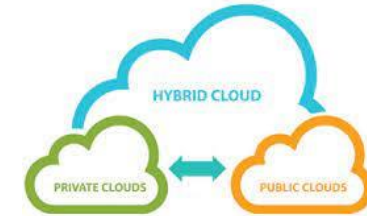
Today's data strategies won't prepare you for tomorrow's challenges



Explosion of data sources resulting in fragmentation

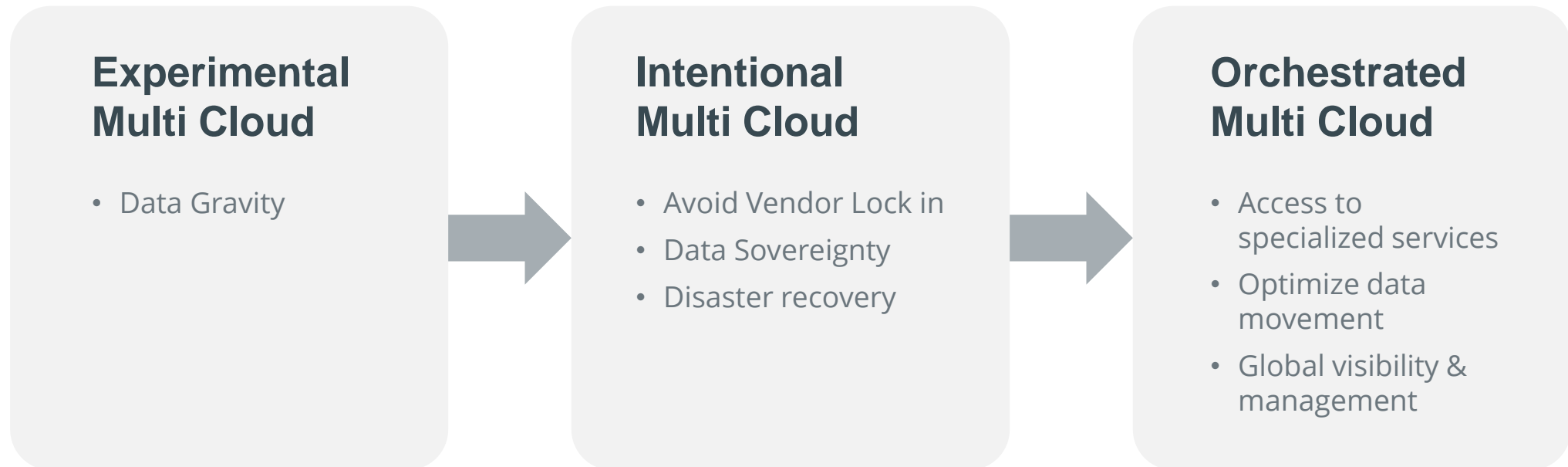


Democratization of data and analytics



Aggressive adoption of Hybrid & Multi Cloud strategies

Trusted Advisors Position Customers to be Strategic in their Use of Multi Cloud



Mature multi cloud customers will choose a data platform that is heterogenous & collaborative

Inferred from Gartner's "How to Plan for Optimal Multi-cloud and Intercloud Data Management" Published 6 August 2021 - ID G00750997

Enable Customers to Bring Analytics to the Data, Across Multi-Cloud

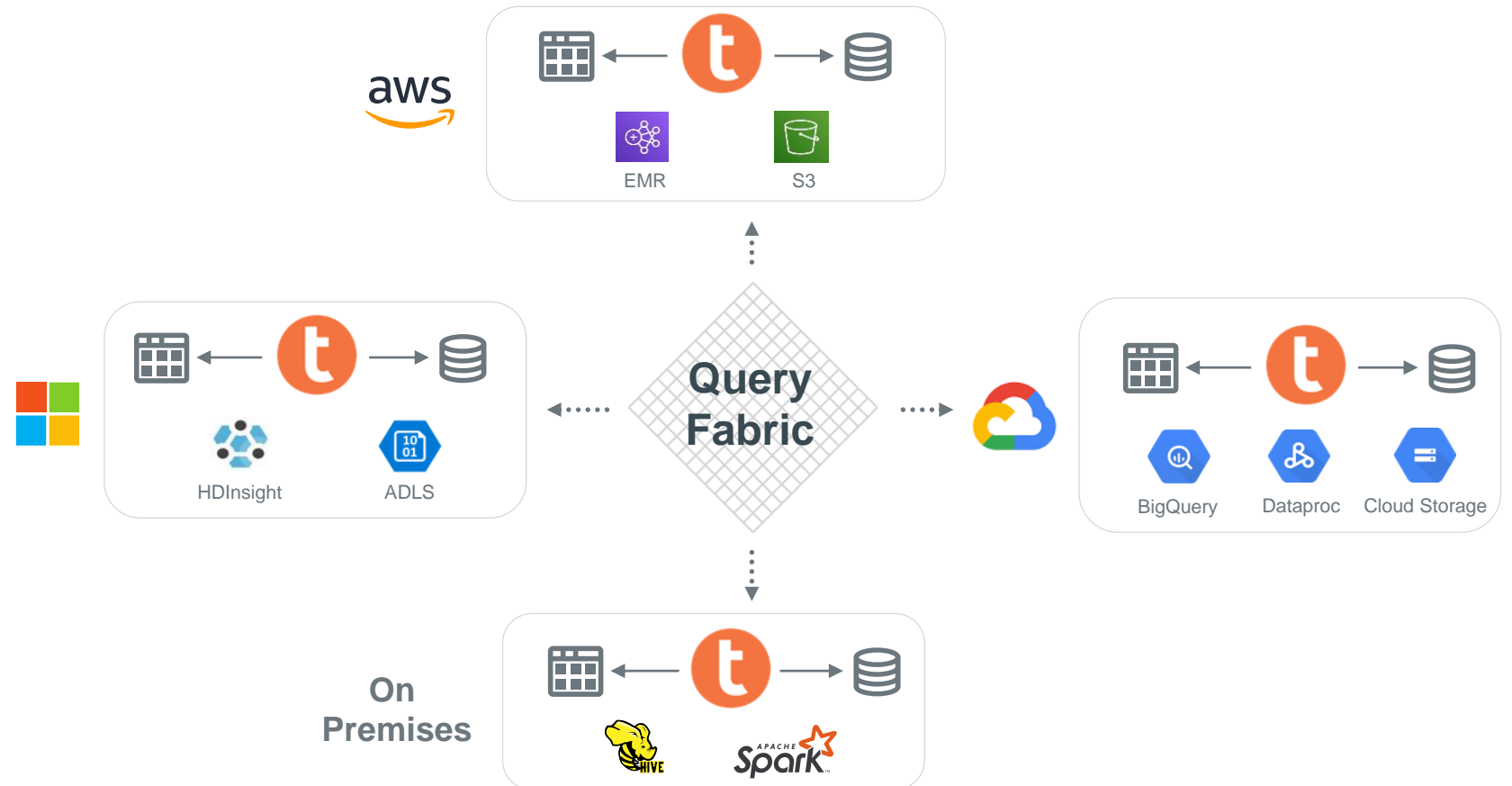
Intelligent Multi Cloud Query Fabric

Hybrid / Multi-Cloud ready
enables pushdown processing
enables minimal data transfer
and minimizes egress cost.

Multi-source joins from data
across multiple tables and
systems.

Choice of entry point provides
ability to originate queries on
any system on the fabric.

Connects workloads in a highly
distributed environment.



Data sovereignty challenges in a hybrid multi cloud

Open, Connected, Sovereign, Governed

Example NZ Data Ecosystem



TERADATA VANTAGE

Strategy & Roadmap

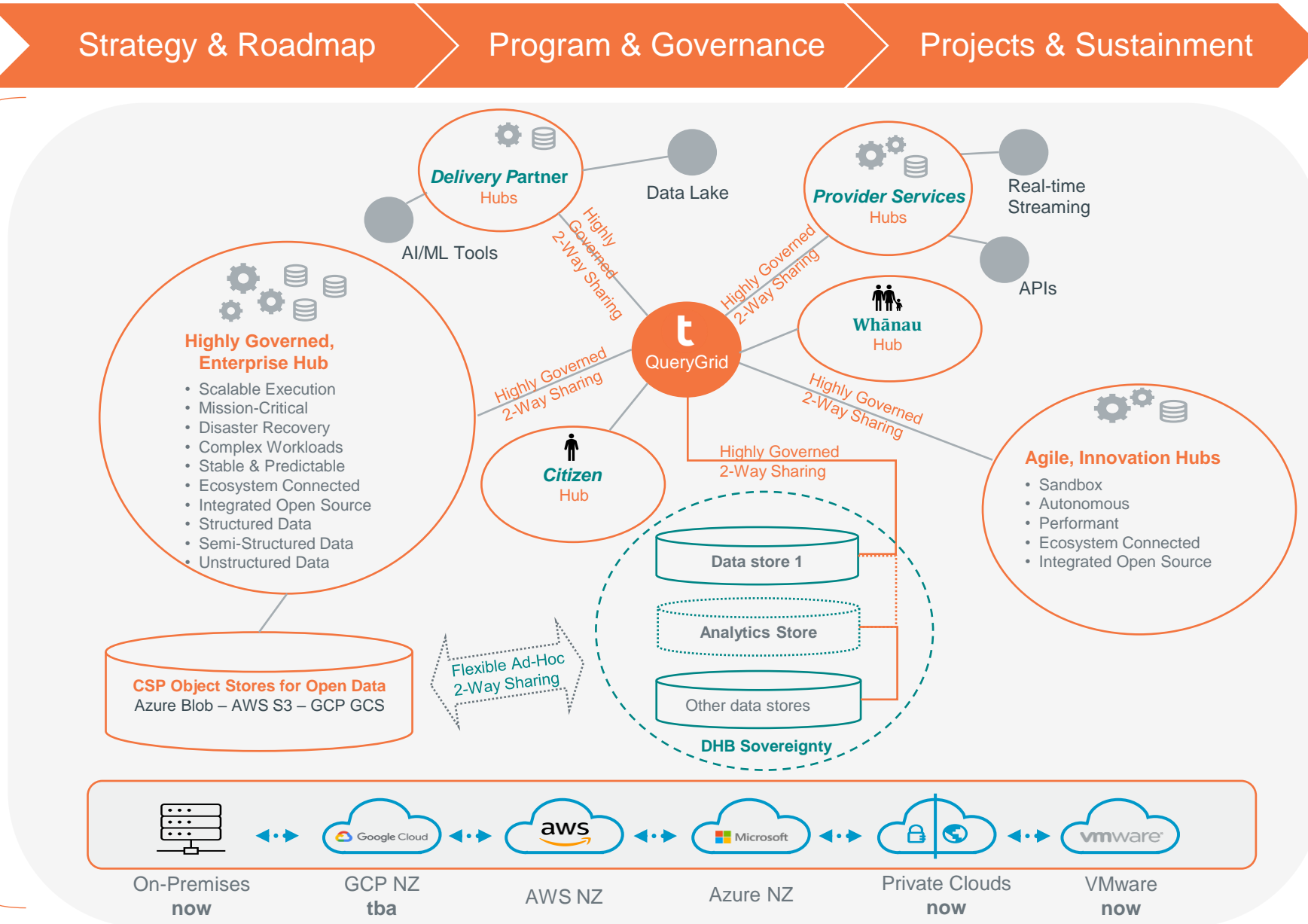
Program & Governance

Projects & Sustainment

Ecosystem Governance

- ✓ Sovereignty
- ✓ Governance
- ✓ Consumption
- ✓ Utilisation
- ✓ Ethics

Managed Migration

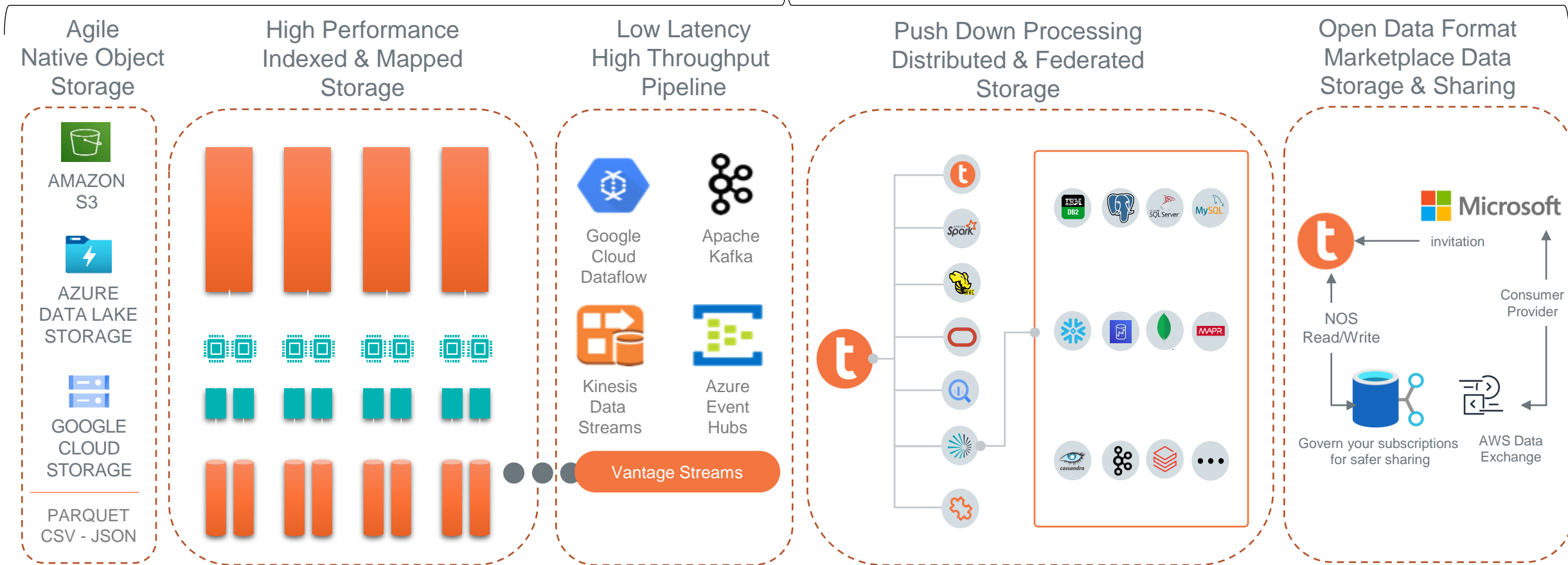


Data Access & Integration Options - formats, storage, ingestion and sharing

Health NZ Data Ecosystem



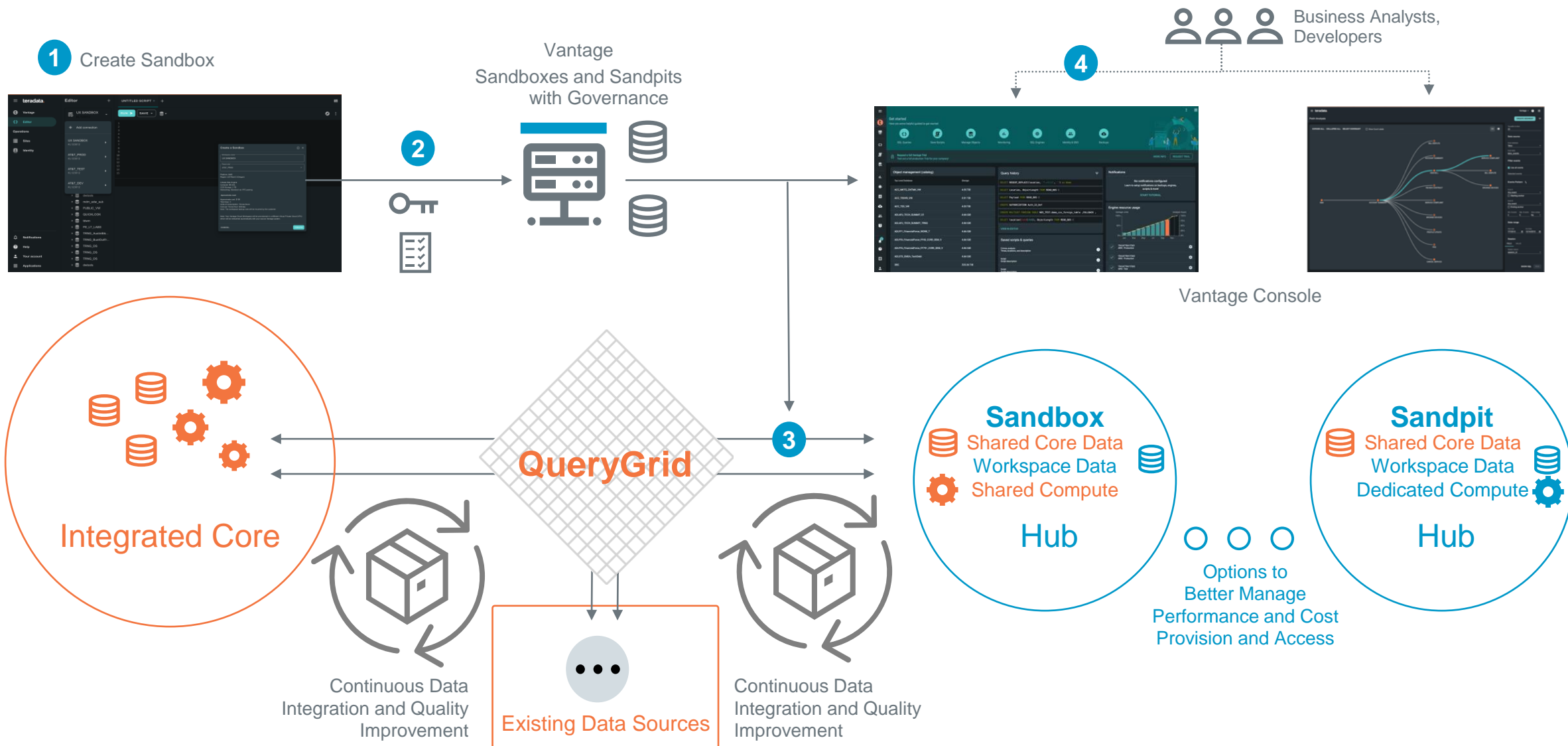
Structured, Semi-Structured, and Unstructured data access via SQL, API, R, Python and Java



MASSIVE PARALLEL PROCESS
ACROSS EVERYTHING

Govern the Ecosystem with Sovereign Sandboxes and Sandpits

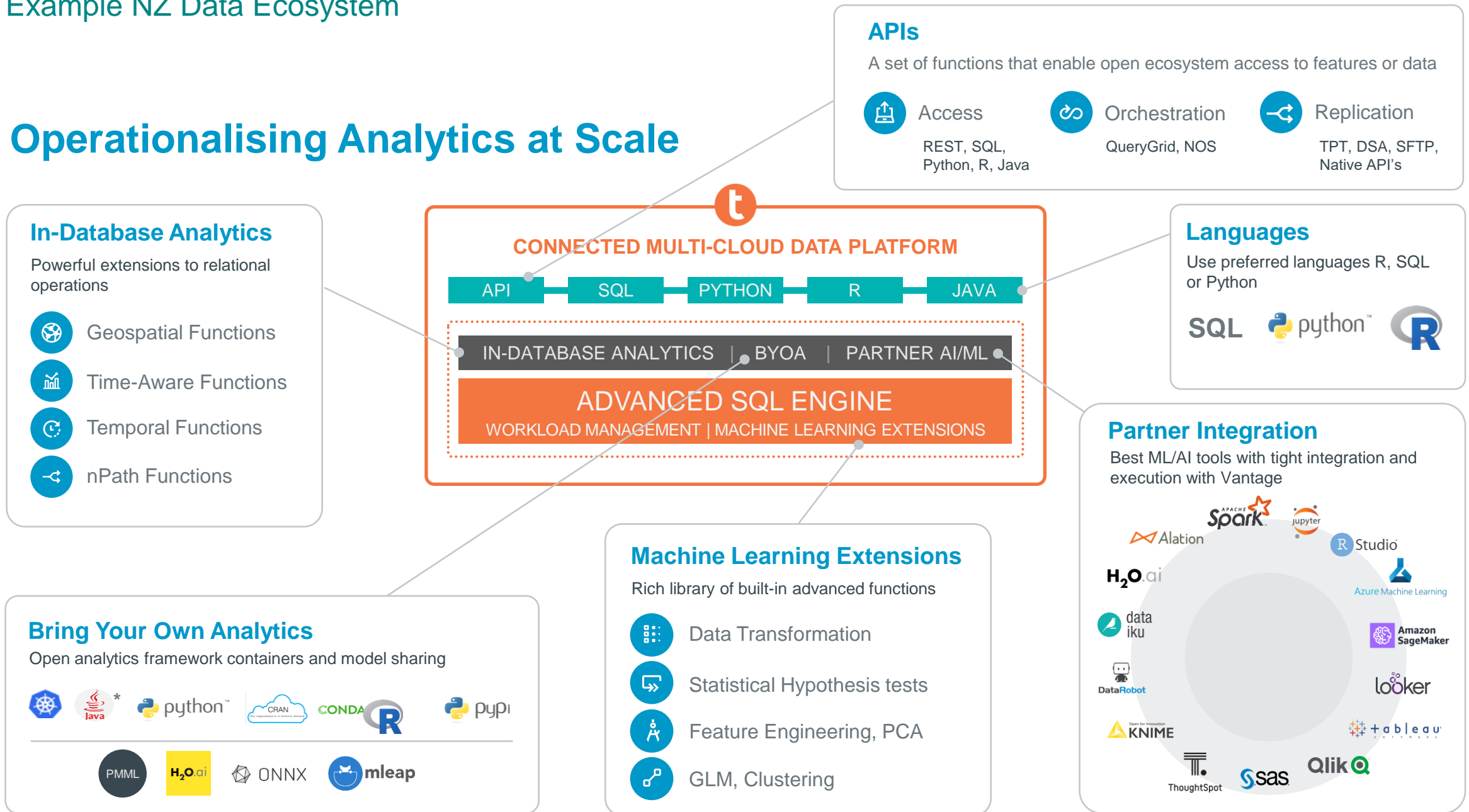
Open Connected and Collaborative Data Management for Enterprise Analytics at Sustainable Scale



Democratise data

Example NZ Data Ecosystem

Operationalising Analytics at Scale



APIs

A set of functions that enable open ecosystem access to features or data

- Access**
REST, SQL, Python, R, Java
- Orchestration**
QueryGrid, NOS
- Replication**
TPT, DSA, SFTP, Native API's

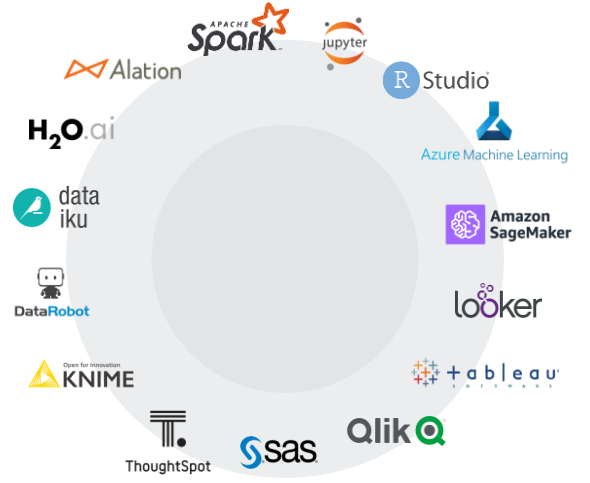
Languages

Use preferred languages R, SQL or Python



Partner Integration

Best ML/AI tools with tight integration and execution with Vantage



Machine Learning Extensions

Rich library of built-in advanced functions

- Data Transformation
- Statistical Hypothesis tests
- Feature Engineering, PCA
- GLM, Clustering

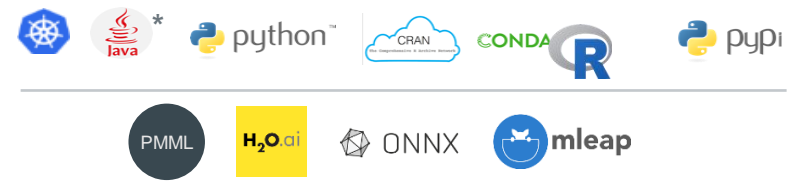
In-Database Analytics

Powerful extensions to relational operations

- Geospatial Functions
- Time-Aware Functions
- Temporal Functions
- nPath Functions

Bring Your Own Analytics

Open analytics framework containers and model sharing



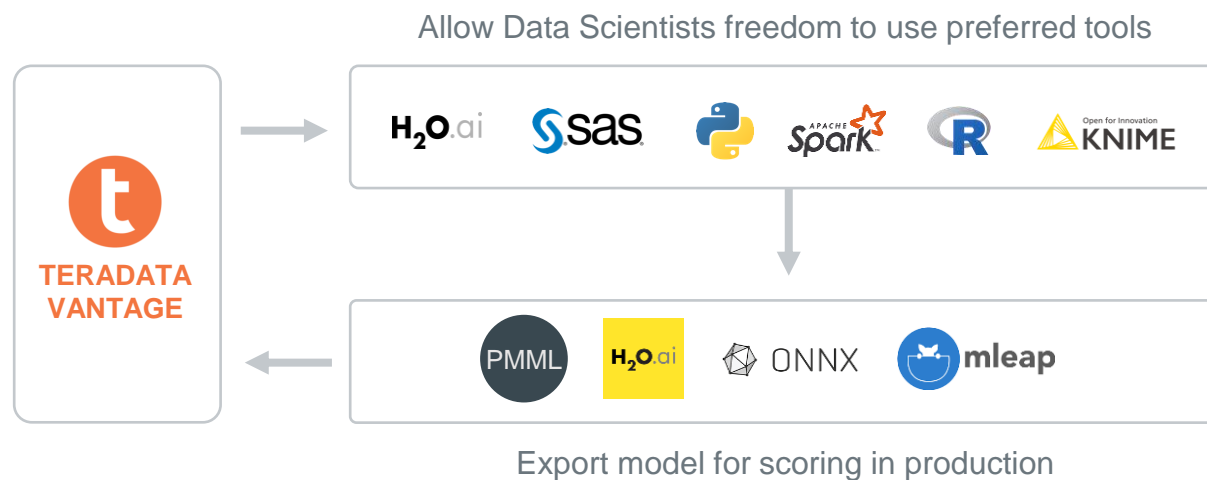
Bring Analytics to the Data

Example NZ Data Ecosystem

Open Analytics Framework with Model Sharing

Model Sharing

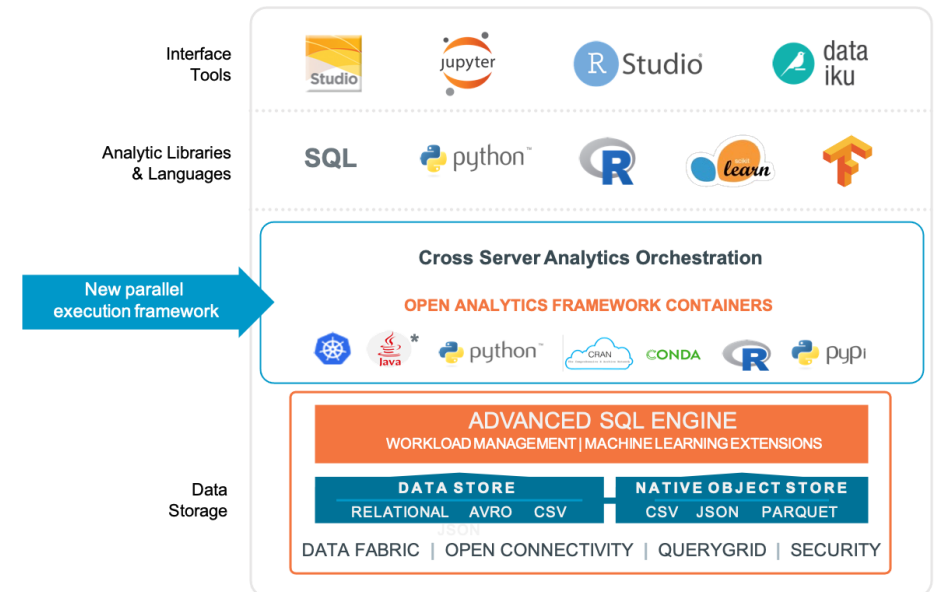
Import existing ML models into Vantage



- Data Scientist use many different development platforms to create ML models. With Model Sharing these models can be imported into Vantage and used to score in production workloads
- Allow Data Scientists freedom to use preferred tools

Open Analytics Framework

Advanced SQL Engine with native ML extensions arranged in analytic pipelines linked to industry models



- Execute R/Python Code with data parallel computation
- Serverless architecture enables auto-scaling, with costs only for consumption

High-Performing, Low-Cost, Caring, Ethical, Green and Sustainable.

Open Connected and Collaborative Data Management for Enterprise Analytics at Sustainable Scale

Teradata is High Performing

Your analytic ecosystem should be reliable, sustainable, highly available, and performing at an optimal level. High performance is what we at Teradata do best. [Learn more](#)

Teradata is Highly Rated

The results are in, and top industry analysts agree that Teradata is a cloud leader! Find reports from Gartner, Forrester, IDC, and more. [Learn more](#)

Teradata is Caring

Our goal is to build strong and vibrant communities and make a positive difference where we live and work. Teradata Cares is our community relations program dedicated to investing in our communities through financial support, technology, talent, expertise, and time. [Learn more](#)

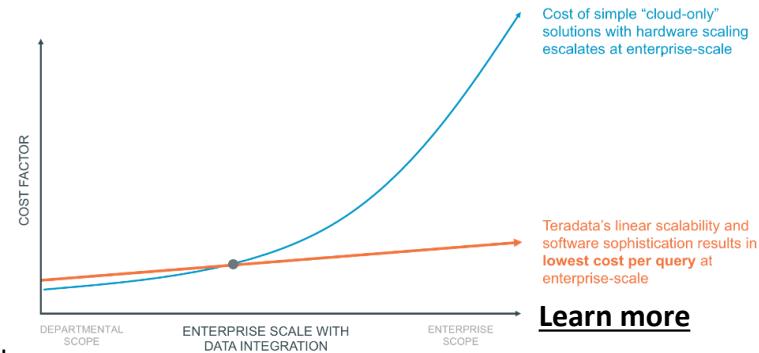


Teradata is Ethical

Operating as a responsible global citizen is a vital element of our culture. Our Board of Directors is actively engaged in the oversight and advancement of ESG matters and operates independently to set the tone of ethics and integrity from the top of our organization. [Learn more](#)

Teradata is Low-Cost

Teradata is low-cost because it makes very efficient use of computing and storage resources, and low-price because of our flexible pricing models. [Learn more](#)



Environmental Social Governance



[Learn more](#)

Teradata is Green

Teradata designs and builds products that will not only increase the efficiency of your business — but also use energy as efficiently as possible. In addition, as a business driver, Teradata will continuously search for technology alternatives in our hardware and software to increase power efficiency, improve performance-per-watt and reduce cooling requirements in data center environments as part of our product designs. [Learn more](#)



Teradata's **GREEN AGENDA** is our internal volunteer employee-formed organization within Teradata whose goal is to enable all employees to contribute individually, as a group, within their roles, both cross-organizationally and globally to help Teradata, our customers and our world to be more sustainable and greener.

Teradata is Sustainable

Teradata is sustainable because we focus on all business performance characteristics to achieve profitable sustainability. Teradata's philosophy is to not treat sustainability as an isolated subject, but rather as a key characteristic that should be considered and balanced alongside all others. Only by approaching sustainability in this way can we focus on driving profitable sustainability, rather than having to choose between the two—profitability or sustainability. [Learn more](#)

NZ Data Ecosystem



**The connected multi-cloud
data platform for enterprise analytics**

cloud native

as-a-service

open ecosystem