

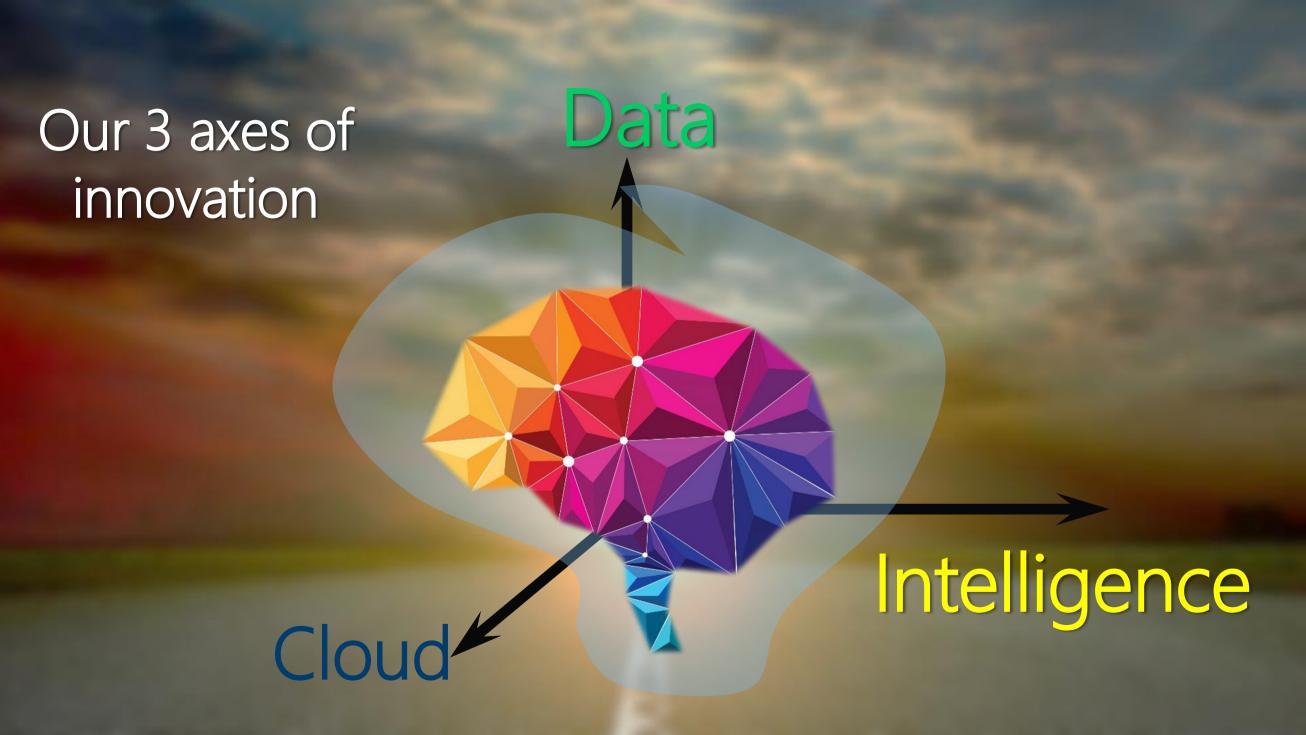


Data Platform Overview and Strategy

Joseph Sirosh CVP, Data Platform







Intelligence in Every Software





Microsoft R Server





Spark + R



Cognitive Toolkit





Azure Machine Learning



Cortana Intelligence Suite



R Tools/Python Tools for Visual





⟨·⟩

Bot Framework



Office 365



HoloLens



Bing



Skype

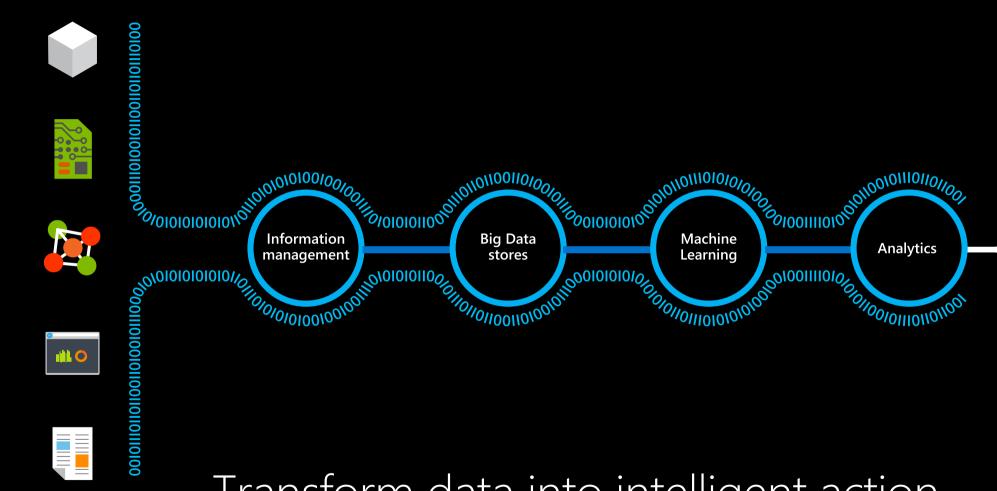


Xbox 360



Dynamics 365

Data Platform Products









Transform data into intelligent action





Industry Challenger in Data Integration Tools



Industry Leader in Data Warehouse and Data Management for Analytics



Five Gartner Magic Quadrants



Visionary Leader in Advanced Analytics Platforms

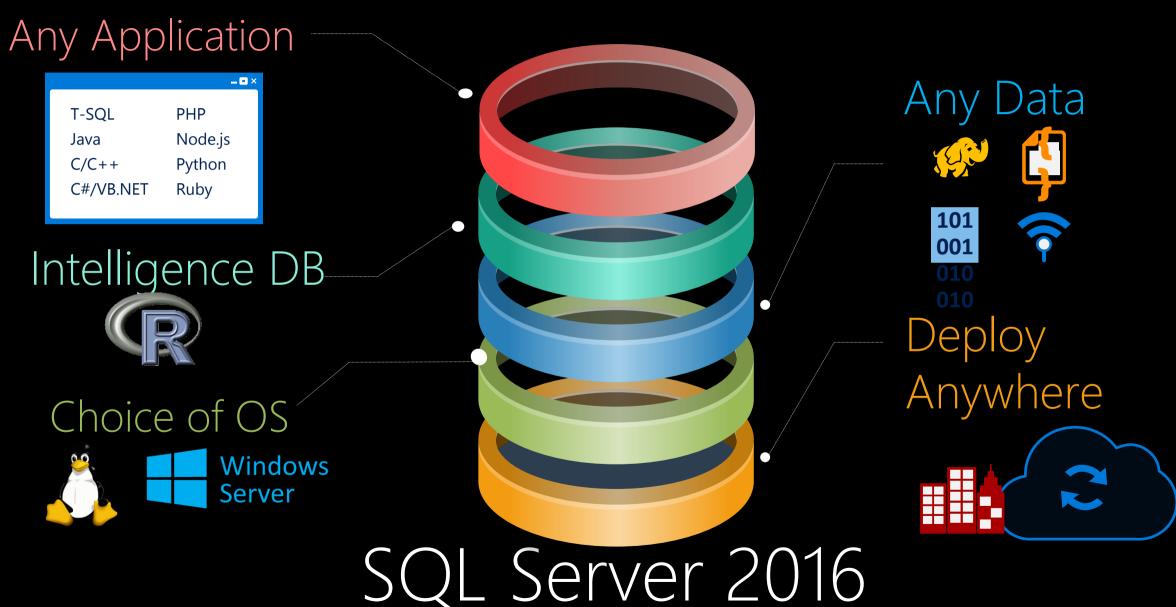


Industry Leader in Business Intelligence





1. Intelligent Operational DBMS





SQL Server 2016

Platform for Data-Driven Intelligence

SQL 2016 Programming Capabilities	Enterprise	Standard	Express
In-database Analytics (R)	/		/
In-memory OLTP & DW		X	X
Operational Analytics		X	X
Compression & Partitioning		X	X
PolyBase		X	X
Always Encrypted		X	X
Row-level Security & Data Masking	/	/	X

Service

SQL 2016 Programming Capabilities	Enterprise	Standard	Express
In-database Analytics (R)	✓		
In-memory OLTP & DW		×	×
Operational Analytics		×	×
Compression & Partitioning		×	×
PolyBase		×	×
Always Encrypted		×	×
Row-level Security & Data Masking	/	/	×

2016 Industry Leader

2 years in a row

DB-Engines DBMS of the Year 2016.







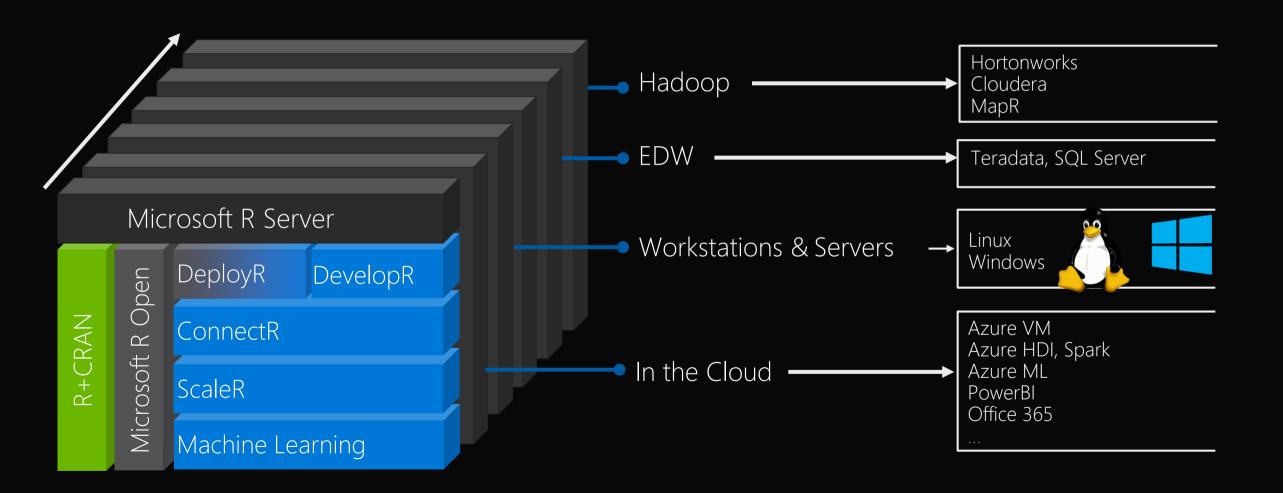
Produbanco Chooses SQL 2016

< 2 minute DR during eruption of volcano Cotopaxi



- 99.57% of online banking processes execute in <1s
- 80% the execution time of monitoring queries reduced by Column-store indexes

2. Microsoft R Server: Cross Platform Analytics



Transactions + Predictive Intelligence

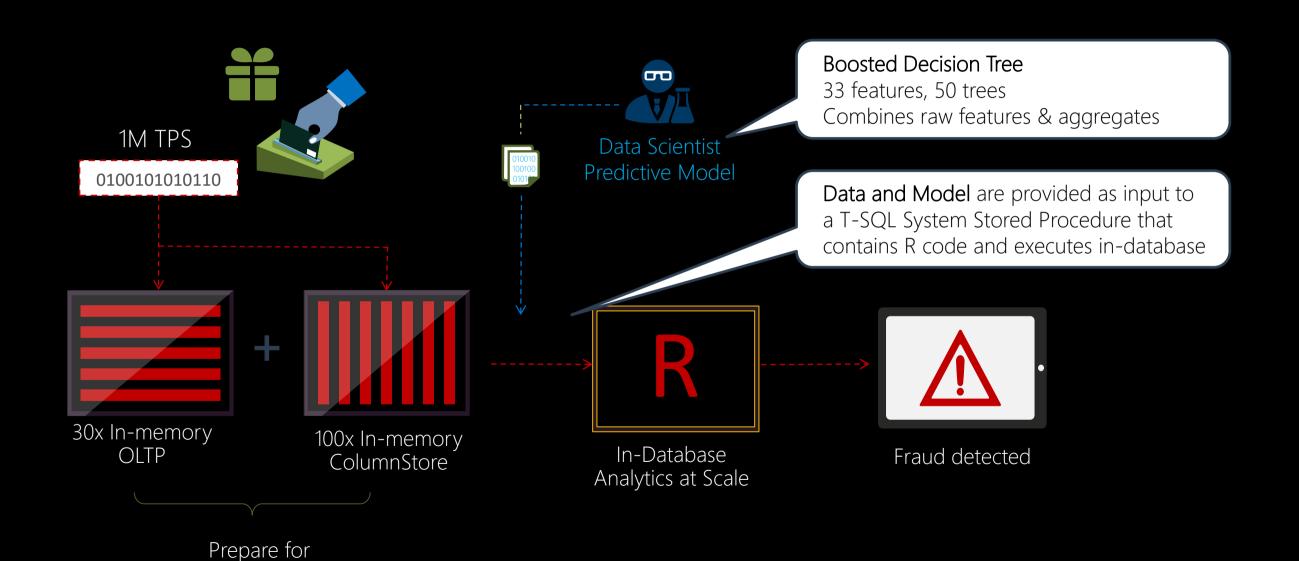
Industry-leading in-memory DB

Built-in R & ML for Advanced Analytics

Machine Learning @ 1,000,000+ predictions per second

using SQL Server 2016

High Speed Fraud Detection Example



analytics

SQL Server 2016

2011 15S 1,300,000+ loans/sec



Not Just Intelligence.

Game-changing performance!

3000% faster R pipeline: MasterCard

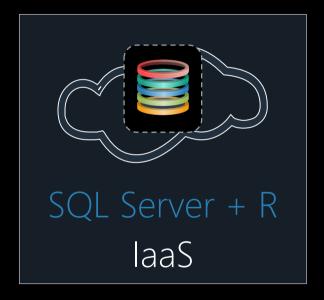
700% faster queries: Global ERP

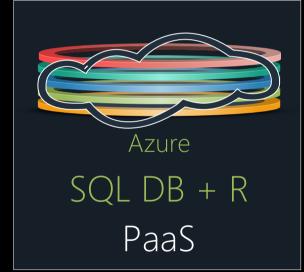
190% faster queries: Tableau

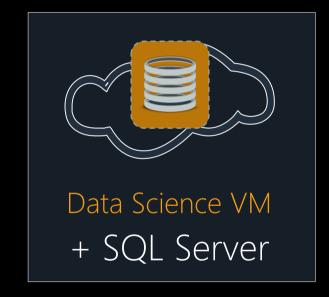
250% reduction in execution time: KPMG

Intelligence DB Implementations







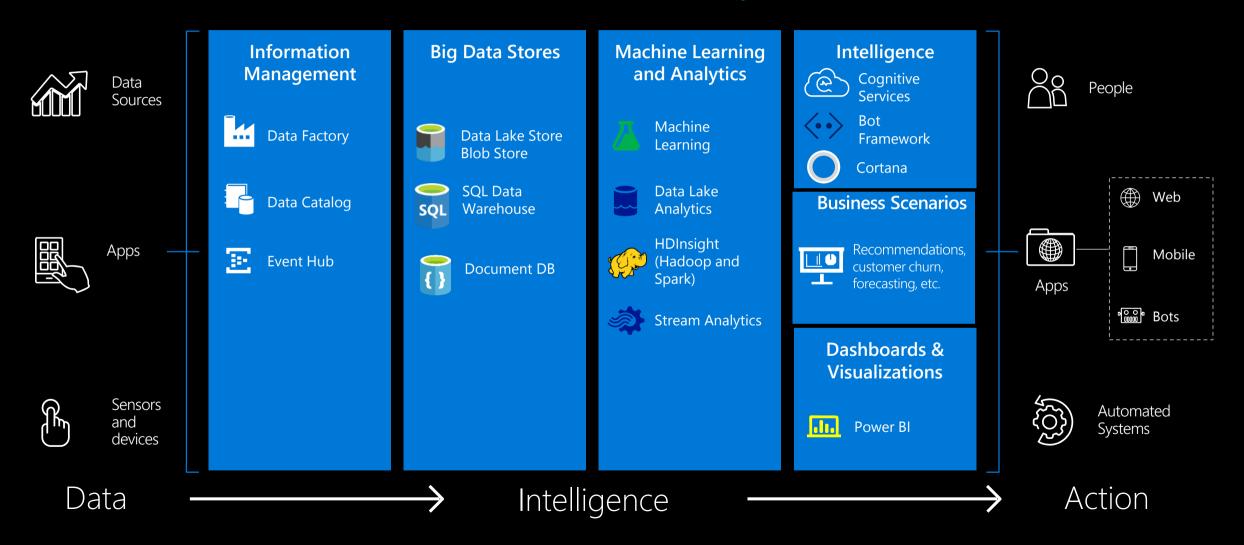


DEMO: SQL Server on Azure Stack

Luis Carlos Vargas Herring Principal PM, SQL Server

3. Cortana Intelligence Suite

"Office 365 for Intelligence"



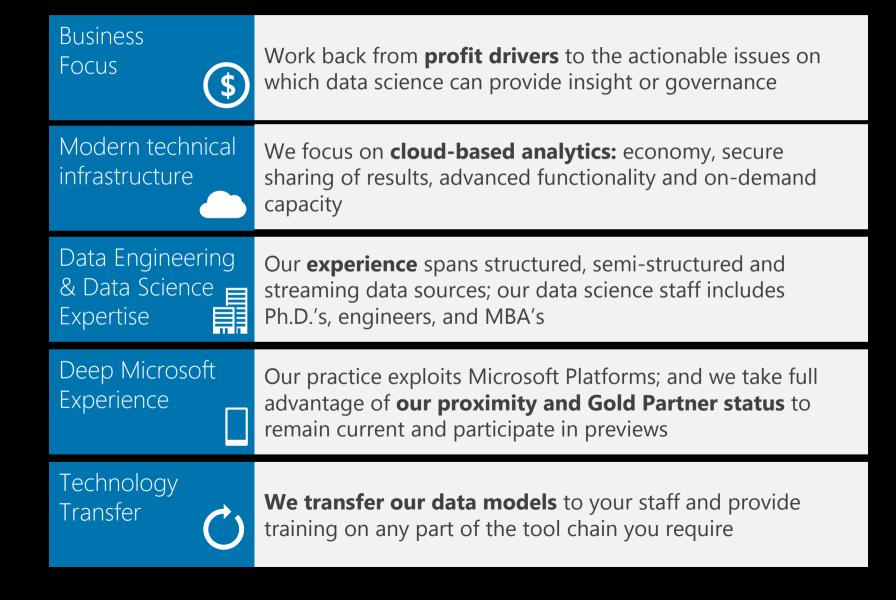
Partner Showcase

Neal Analytics

David Brown

Sales Director

DavidB@NealAnalytics.com



Neal Analytics Experience: Arca Continental Bottler

Soft Drink Bottler increases profitability by optimizing SKU Strategy





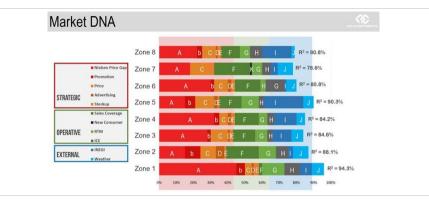
Project "Why"

"When we started with this project, we were searching for new and improved ways to serve our clients and consumers while boosting profitability. We needed to better use the data we already had and gain a more comprehensive understanding of sales variations and correlations between multiple variables."

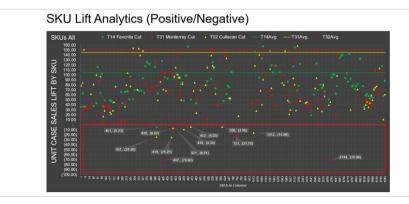
Lizeth Refugio Salas Revenue Growth Management Chief, Arca Continental

"Over time, this advanced analytics solution with its statistical approach to big data will transform the way we take business decisions through all business processes."

> Ruben Dario Torres Martinez IT Manager, Arca Continental







Sales Driver Analysis

- Understand sales impact and influence of 95+ internal and external variables
- Differentiate sales drivers across markets and geographies
- Optimize strategic and operational business decisions

Sales Delta Analysis

- Answers the question "what caused sales variance?"
- Identify and quantify which variables contributed to sales variance
- Determine which business functions need to be optimized

SKU Lift Analysis

- Identify SKU's with negative sales lift (cannibals)
- Optimize SKU distribution
- Increase sales and profitability by dropping SKU's that hurt sales

SKU Optimization using Machine Learning



Call to Action

Join the Data Platform breakout today afternoon

 Deploy SQL Server 2016. Explore and implement new features and enhancements.

 Enhance your data practices by adding intelligent services and analytics





