

# SQL SERVER 2017

INDUSTRY-LEADING PERFORMANCE AND SECURITY NOW ON LINUX AND DOCKER

Choice of platform and language



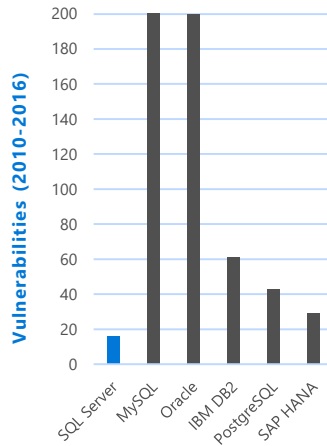
T-SQL	PHP
Java	Node.js
C/C++	Python
C#/VB.NET	Ruby

Industry-leading performance

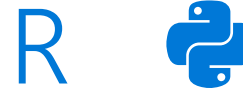


- #1 TPC-H performance  
1TB, 10TB, 30TB
- #1 TPC-E performance
- #1 price/performance

Most secure over the last 7 years

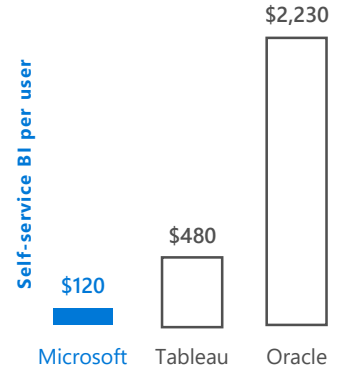


Only commercial DB with AI built-in



R and Python + in-memory at massive scale

End-to-end mobile BI on any device



A fraction of the cost

In-memory across all workloads



Private cloud

Most consistent data platform



Public cloud

National Institute of Standards and Technology Comprehensive Vulnerability Database update 2017.

TPC-H non-clustered results as of 2017 respectively. [http://www.tpc.org/tpch/results/tpch\\_perf\\_results.asp?resulttype=noncluster](http://www.tpc.org/tpch/results/tpch_perf_results.asp?resulttype=noncluster)

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## Platform of choice

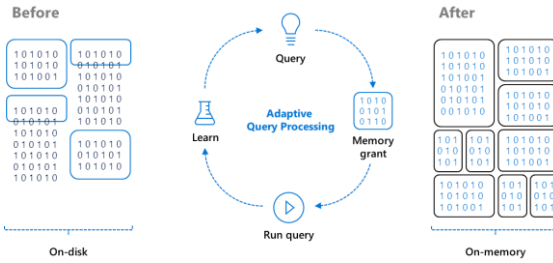


Support for **Windows and Linux** operating systems and **Docker** containers

Any cloud, any platform including **OpenShift**, **Red Hat OpenStack**, and **Kubernetes**

**License Mobility** enables on-premises licenses to be used in the cloud

## Enhanced performance without tuning

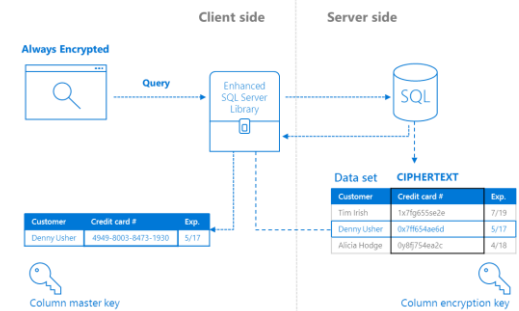


Speed query performance without tuning using **Adaptive Query Processing** and **Automatic Plan Correction**

Faster transactions with **In-Memory OLTP** and up to 100x faster analytics with **In-Memory ColumnStore**

**Real-time operational analytics** when you combine in-memory technologies

## Protect data at rest, in motion and in use



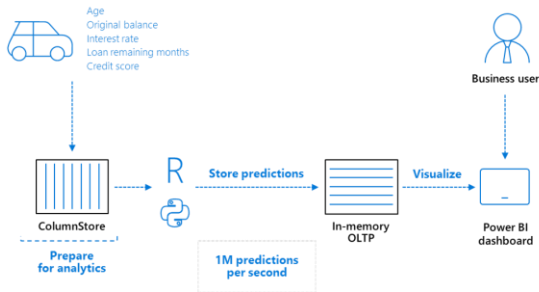
**Fewest NIST vulnerabilities<sup>1</sup>** over last 7 years

Encrypt data at rest and in use with **Always Encrypted** and **Transparent Data Encryption (TDE)**

**Dynamic Data Masking** conceals sensitive data

Control access to database rows with **Row-Level Security**

## Advanced Analytics at up to 1M predictions/second

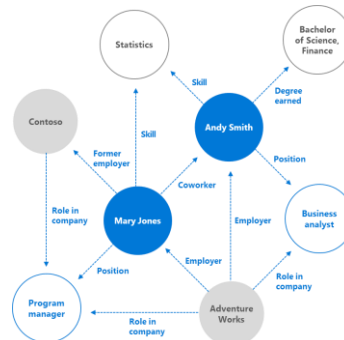


Bring scalable, high performance and parallelized **R** and **Python-based analytics** to where your data lives

**Native scoring** in T-SQL for analytics in near real time

Advanced **Machine Learning algorithms** with GPUs

## Gain new insights with support for diverse data

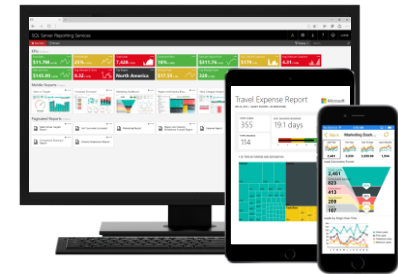


Store and analyze highly interconnected data and relationships with **graph data support**

**PolyBase** enables easy querying across SQL Server and data stored in Hadoop

**Hadoop** combined with **SQL Server** provides value and insight from data lakes

## Rich, interactive reports on any device



**Rich visualizations** using enhanced Reporting Services

**Mobile Reporting** on iOS, Windows and Android mobile devices

Get the updated **Report Viewer** as a free developer component

<sup>1</sup>National Institute of Standards and Technology Comprehensive Vulnerability Database update 2017.