Power your entire data estate with SQL Server 2017

SQL Server 2017 has everything built-in—industry-leading in-memory performance, trusted security, game-changing in-database Advanced Analytics, and the flexibility to run your complete data estate on any environment with any data. All of this comes for less, thanks to unmatched TCO.

DATA SOURCES

Structured
- OLTP
- MOBILE
- ERP
- LOB

Unstructured
- Graph
- Social
- IoT
- Media

DATA MANAGEMENT

Operational data
An industry leader four years in a row

Leader in TPC-E

Data warehousing
Scale to petabytes

PB

#1

performance in TPC-H

Big data processing
T-SQL query over any data

Data integration

Business intelligence
Mobile BI anywhere at a fraction of the cost

#1 performance in TPC-H

Advanced Analytics & AI
1M predictions per second

Support for R and Python

SECURITY

Least vulnerable over the last 7 years

FLEXIBILITY

Any language, any platform, anywhere

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TPC-H non-clustered results as of 2017 respectively. [http://www.tpc.org/tpch/results/tpch_perf_results.asp?resulttype=noncluster]
Charge ahead with breakthrough features

**Enhanced performance without tuning**

- Speed query performance without tuning using Adaptive Query Processing
- 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 with Always Encrypted**

- Fewest NIST vulnerabilities over last 7 years
- Encrypt data at rest and in motion with Always Encrypted
- Dynamic Data Masking conceals sensitive data
- Control access to database rows with Row-Level Security

**Real time in-database analytics with R and Python**

- Scale and accelerate machine learning by pushing intelligence to where the data lives with in-database R and Python analytics
- Analytics are parallelized and at scale
- Leading AI innovation to discover insights faster
- Advanced machine learning algorithms with GPUs

**Query any data with graph support**

- Store and analyze non-hierarchical relationships with Graph data support
- PolyBase to easily query across SQL Server and data stored in Hadoop
- Hadoop combined with SQL Server provides value and insight from data lakes

**Any platform, any cloud**

- Support for Windows and Linux operating systems and Docker containers
- Any cloud, any platform including OpenShift, Red Hat OpenStack, Kubernetes, Docker Swarm and Pivotal
- License Mobility enables on-premises licenses to be used in the cloud

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