Microsoft

Industry-leading performance and security with SQL Server 2019

Learn what's new in SQL Server 2019 and why it matters. Find out how to unlock faster querying speeds, take advantage of improved security features, and how SQL Server 2019 integrates, manages, and analyzes your data.

What's new in SQL Server 2019

1 Intelligence over any data

Use data virtualization to combine and query a variety of external relational and non-relational data sources without moving or replicating data.

Build an intelligence-driven organization by leveraging machine learning and AI to ingest, store, and analyze data with the power of SQL Server.

2 Platform of Choice

Create modern apps with innovative features using your choice of language and platform.

SQL Server now on Windows, Linux, Containers and support for Kubernetes.

Deploy on multiple Linux distributions including RedHat, SUSE and Ubuntu with full database engine support for transactional replication, distributed transactions, PolyBase, and Machine Learning Services.
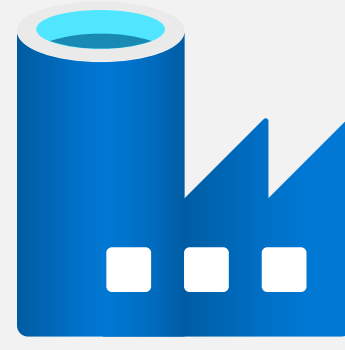
Develop once and deploy anywhere with a consistent experience from on-premises to the edge and cloud.
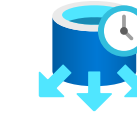
3 Industry-leading performance

Take advantage of breakthrough scalability, performance, and availability for mission-critical apps.
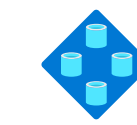
Make your queries and applications run faster with the Intelligent Query Processing family of features in SQL Server 2019.

Speed up performance with in-memory technologies such as memory optimized tables, Hybrid Buffer Pool, and memory-optimized TempDB.

Build Hybrid Transactional and Analytical Processing (HTAP) solutions by adding in-memory Clustered Columnstore Indexes on your in-memory tables.

Build on the database that's number one in TPC-E and 1 TB, 3 TB, 10 TB TPC-H (nonclustered systems).[1]

4 Mission critical security

Protect data at rest and in transit with the least vulnerable database over the last eight years.[2]

Identify PII and sensitive data, as well as potential issues with Enterprise Security and Compliance (GDPR, PCI-DSS, etc.) with the Data Discovery and Classification tool.

Build for security from the ground up with layers of protection and security features built-in to all versions of SQL Server 2019.

Leverage Transparent Data Encryption, Always Encrypted, Auditing, Dynamic Data Masking, and Row-Level Security to implement compliance at all levels.

Discover, track, and remediate potential database vulnerabilities with SQL Vulnerability Assessment.

5 Make faster, better decisions

Access rich, interactive reports and enterprise reporting for better analysis and decision-making.

Create, deploy, and manage mobile and paginated reports with rich visualizations in SQL Server Reporting Services.

Author beautiful reports with Power BI Desktop. Publish Power BI reports to the cloud or Power BI Report Server in SQL Server 2019, and distribute and consume reports across devices.

Consume interactive dashboards and reports, both online and offline, with mobile reporting on iOS, Android, and Windows devices.

Learn more about the next generation of multidimensional servers in the Microsoft MVP-authored e-book

Ready to jump to a fully managed cloud solution?