SQL Server 2016

Use your skills now to work with SQL Server’s new features: on-premises, in the cloud, and in between.

Ready to leap ahead

SQL Server 2016 has preeminent, enterprise-ready features. You are ready to advance with SQL Server on Microsoft Azure, and with Azure SQL Database. Start benefiting today from the new world of SQL Server.

Cloud first

Many new features give you an edge from day one.

SQL Server on Azure virtual machines

SQL Server 2016 running on Azure virtual machines. Azure SQL Database automatically replicates to other Azure regions. Use active replication to move data from your on-premises SQL Server to Azure SQL Database.

Security

Who are you—authentication

SQL Server 2016 supports multiple authentication options for SQL Server 2016, including Windows authentication and Mixed mode authentication.

What you can see—access control

SQL Server 2016 includes a row-level security feature that lets you secure sensitive data in your database.

Always Encrypted

Sensitive data is encrypted at rest, in motion, and in transit.

Advanced analytics

SQL Server 2016 integrates the R language and scalable parallel algorithms directly into the database. R users and SQL Server users can build models using data in the database without moving it, and then use those models to store data in the database and add predictive analytics to their applications.

Business intelligence

SQL Server 2016 helps you make business insights faster and more easily through improved performance and new modeling capabilities. Deliver insights through mobile BI reports and modernized paginated reports, or by using a hybrid approach with Power BI in the cloud.

Hybrid + hyperscale

SQL Server 2016 and Microsoft Azure work together to provide new ways to store and scale data.

High availability + disaster recovery

Recover from hardware failures or unexpected interruptions by redirecting traffic to secondary locations. Restore backups from a previous time to recover from user error.

Real-time + historical analytics

Analyze OLTP and historical data in real time. Perform operational analytics with minimal effect on performance of the OLTP operations. Query data from any point in time.

Elastic queries

Use T-SQL with sets of databases

Scalability

Create databases when you need them

Azure SQL Database

Large number of gallery images in the market

Flexibility

Multiple local and remote storage copies, Availability Groups across regions

Largest number of gallery images in the market

SQL Server on Azure virtual machines

Take advantage of the cloud and realize your ideas sooner

Proven

Systems.

Database Management Quadrant for Operational leader in vision and ability to scale data.

Gartner has named Microsoft a Leader in the 2016 Microsoft Analytical Processing Unit (APU) report. SQL Server 2016 offers a full suite of tools for curating your data.

Beyond relational

In the real world, data comes in all forms. Simplify log data using PolyBase + native JSON.

Enterprise information management

SQL Server 2016 offers a full suite of tools for curating your data. These produce accurate, trustworthy data and deliver insights through a comprehensive suite of BI tools.

Data Quality Services

• 10x faster data cleansing and matching

• 10x faster integration with BI, business applications

Integration Services

• Simplified cross-platform integration

• Improved user experience

Master Data Services

• Simplified cross-domain management

• Improved user experience

Business intelligence

SQL Server Business Intelligence (BI) tools give you the ability to drill into data for a more complete view. Fast, interactive reports can be created with the tools for your organization's needs.