



# SQL Server 2019 Features by Edition

SQL Server 2019 is offered in two main commercial editions to accommodate the unique feature, performance and price requirements of organizations and individuals:

- **Enterprise Edition** is ideal for applications requiring mission critical in-memory performance, security and high availability.
- **Standard Edition** delivers fully featured database capabilities for mid-tier applications and data marts.

		STANDARD	ENTERPRISE
Compute and Storage	Maximum number of cores	24 cores	OS Max
	Maximum memory utilized per instance	128GB	OS Max
	Maximum size	524 PB	524 PB
Intelligence Over All Your Data	SQL Server 2019 Big Data Clusters with Apache Spark and HDFS built into SQL Server engine		
	Data virtualization using PolyBase (including additional data sources like Oracle, Teradata, MongoDB, and other SQL Server databases)		
	Unified AI platform to train and operationalize models with SQL Server ML Services		
Choice of Language and Platform	Compatibility certification		
	UTF-8 support		
	Support for SQL Server Java extension		
Industry Leading Performance & Availability	Free DR replicas in Azure and on-premises		
	Intelligent Query processing: Scalar UDF inlining, table variable deferred compilation, approximate count distinct		
	Intelligent Query processing features: row mode memory grant feedback, batch mode for row store and automatic tuning		
	Automatic read-write connection re-routing		
	In-Memory Database: memory-optimized tempdb		
	In-Memory Database: Persistent Memory support		
	Accelerated Database recovery		
Secure and Reliable	Always Encrypted with secure enclaves		
	Transparent database encryption		
	Data classification and auditing		
	Vulnerability assessment		
Quick Business Insights	Azure Data Studio to manage SQL Server including support for T-SQL using Notebooks		
	SQL Server Analysis Services Direct Query		