

SQL Server 2017 features by edition		Standard	Enterprise
OLTP Performance	Maximum number of cores	24 cores	Unlimited
	Maximum memory utilized per instance	128 GB	OS Max
	Maximum size	524 PB	524 PB
	Advanced OLTP (In-memory OLTP*, Operational analytics)	●	●
	Basic high availability (2-node single database failover, non-readable secondary)	●	●
	Manageability (Management Studio, Policy-Based Management)	●	●
	Enterprise data management (Master Data Services, Data Quality Services)**		●
	Advanced HA (Always On - multi-node, multi-db failover, readable secondaries)		●
	Basic Adaptive Query Processing (Interleaved execution) <span style="float: right;">NEW*</span>	●	●
	Advanced Adaptive Query Processing (Batch mode memory grant feedback, Batch mode adaptive joins), Automatic Plan Correction <span style="float: right;">NEW*</span>		●
Security	Basic security (Always Encrypted, Row-level security, data masking, basic auditing, separation of duties)	●	●
	Advanced security (Transparent Data Encryption)		●
Data Warehousing	Advanced data integration (Fuzzy grouping and look ups, change data capture)		●
	Data warehousing (In-Memory ColumnStore, Partitioning)	●	●
	T-SQL query across relational and Hadoop data with PolyBase**	●	●
Business Intelligence	Programmability & Developer Tools (T-SQL, CLR, Data Types, FileTable**, JSON, graph data support) <span style="float: right;">NEW*</span>	●	●
	Basic data integration (SSIS, built-in connectors)	●	●
	Basic reporting & analytics**	●	●
	Basic Corporate Business Intelligence (Multi-dimensional models, Basic tabular model, enhanced connectors, new transformations, object-level security, ragged hierarchies)** <span style="float: right;">NEW*</span>	●	●
	Mobile BI**		●
	Advanced Corporate Business Intelligence (Advanced tabular model, Direct query, in-memory analytics, advanced data mining)**		●
Advanced Analytics	Basic R and Python integration (Connectivity to R Open and Python, Limited parallelism)** <span style="float: right;">NEW*</span>	●	●
	Advanced R and Python integration (Ability to run on GPUs and full parallelism through Machine Learning Services)** <span style="float: right;">NEW*</span>		●
Hybrid Cloud	Stretch Database**	●	●

Features in blue are newly available.

\*In-memory OLTP subject to memory limits in Standard Edition

\*\*Available for Windows Server only