Growing SQL Server

Features from 2008 to 2017

SQL Server 2017: more than just a database

SQL Server 2017 takes your business to the next level on-premises or in the cloud, helping you transform data into insights and action.

Performance

SQL Server 2008

- Hash Index Scan
- Self-joins
- Cover Index Scan

SQL Server 2017

- In-memory OLTP
- Columnstore Index
- Query Store

SQL Server 2008

- SQL Server Management Studio
- Business Intelligence Development Studio
- SQL Server Business Intelligence Modeler

SQL Server 2017

- Business Intelligence & analytics
- SQL Server Integration Services
- SQL Server Reporting Services

SQL Server 2008

- Query performance and optimized storage
- Compressed indexes and tables
- Filtered indexes and statistics

SQL Server 2017

- Compressed columns
- Columnstore index
- Temporal tables
- SQL Graph

Availability

SQL Server 2008

- Log shipping
- Database mirroring
- Failover clustering

SQL Server 2017

- Azure Site Recovery
- Azure Replication
- Azure SQL Database Managed Instance

SQL Server 2008

- Always On Failover Cluster Instances
- Availability Groups

SQL Server 2017

- Use Azure Active Directory to create your own Always On Availability Group

Scalability & cloud-readiness

SQL Server 2008

- Scale-out SQL Server
- SQL Server Express
- SQL Server Compact

SQL Server 2017

- Stretch Database
- SQL Server on Linux
- Azure SQL Database

Security

SQL Server 2008

- SQL Server Auditing
- Encrypting files
- Transparent Data Encryption

SQL Server 2017

- Always Encrypted
- Dynamic Data Masking
- Extensible Key Management

Business intelligence & analytics

SQL Server 2008

- SQL Server Analysis Services
- SQL Server Reporting Services
- SQL Server Business Intelligence Modeler

SQL Server 2017

- SQL Server Machine Learning Services
- PolyBase
- Azure Analysis Services

Prep for SQL Server 2008 end of support

Prep for SQL Server 2017