

# SQL Server 2008 and 2008 R2 end of support is coming

SQL Server 2008 and SQL Server 2008 R2 will no longer be supported by Microsoft starting in July 2019. Avoid challenges and vulnerabilities caused by end of support.



## Why should you upgrade?



### Mitigate risks with platform security and compliance

There will be no access to critical security updates, opening the potential for business interruptions and loss of data.



### Upgrade to better cost efficiency

Maintaining legacy servers, firewalls, intrusion systems, and other tools can get expensive quickly.



### Modernize to innovate

Grow your environments with data, analytics and the cloud.

## More than an upgrade

With SQL Server 2017 and Azure SQL Database Managed Instance, you don't just get an update – you get in-memory performance across workloads, mission-critical high availability and built-in security features to help protect your data at rest and in motion.



#1 OLTP performance<sup>1</sup>

#1 DW performance on 1TB<sup>2</sup>, 10TB<sup>3</sup>, and 30TB<sup>4</sup>

#1 OLTP price/performance<sup>5</sup>

#1 DW price/performance on 1TB<sup>2</sup>, 10TB<sup>3</sup>, and 30TB<sup>4</sup>

[Learn more about SQL Server 2017 here](#)

Shared Lower cost

Dedicated Higher cost

## Modernize your platform through your choice of upgrade scenarios:



**PaaS & SaaS**  
Azure SQL Database



**IaaS**  
SQL Server in Azure VM



**Virtual**  
SQL Server Private Cloud, Virtual Machine + Appliance



**Physical**  
SQL Server, Physical Machine (raw iron)

Higher administration

Lower administration

# New features since 2008

OLTP Performance 	Security 	Business Intelligence 		
<p>Hybrid Transactional and Analytical Processing with real-time insights using In-Memory OLTP and Clustered Columnstore</p> <p>In-Memory Data Warehouse with Clustered Columnstore Indexes</p> <p>Unparalleled scalability with Windows Server 2016, with 24TB memory and Windows Server 2016 max cores</p> <p>Enhanced Always On Availability Groups with easy GUI-based Wizard</p> <p>Automatic failover between three synchronous replicas. Up to eight secondary replicas</p> <p>Buffer Pool Extension to SSDs</p> <p>Adaptive Query Processing</p>	<p>Resource Governor with CPU, Memory and IO Governance</p> <p>Delayed Durability of Memory-Optimized Tables</p> <p>Query optimization enhancements</p> <p>Query Store</p> <p>Local DB runtime (Express)</p> <p>Data-tier application component project FileTable build on FILESTREAM</p> <p>Remote Blob Storage with SharePoint 2016</p> <p>Statistical Semantic Search</p> <p>Contained Database Authentication</p> <p>Automatic Plan Correction</p>	<p>Always Encrypted</p> <p>Dynamic Data Masking</p> <p>Row-Level Security</p> <p>Auditing</p> <p>CC certification at EAL2 level for SQL Server 2016</p> <p>Backup encryption support</p> <p>Enhanced separation of duties</p> <p>Default schema for groups</p>	<p>Enhanced connectors, new transformations, object-level security, ragged hierarchies**</p> <p>Mobile BI</p> <p>Enterprise-grade Analysis Services</p> <p>In-Memory analytics with Analysis Services Tabular Model</p> <p>Enhanced multidimensional models</p> <p>Modernized Reports and Dashboard with support for Mobile BI</p>	<p>HA for StreamInsight, complex event processing</p> <p>Import PowerPivot models into Analysis Services</p> <p>Advanced tabular mode</p> <p>Enhanced productivity and performance</p> <p>Power View</p> <p>Configurable reporting alerts</p> <p>Reporting as SharePoint Shared Service</p> <p>Master Data Services Add-in for Excel</p>
<p><b>Enterprise Information Management (EIM)</b> </p> <p>Enhanced Integration Services</p> <p>Data Quality Services</p> <p>Master Data Services</p> <p>Extensible object model</p>		<p>Create mobile reports using the SQL Server Mobile Report Publisher</p> <p>Consume with Power BI mobile apps</p>		
Hybrid Cloud 	Programmability Enhancements 	Data Warehousing & Big Data 	Advanced Analytics 	Platform 
<p>Disaster Recovery environment in Azure VMs using Always On Availability groups</p> <p>Stretch database</p> <p>Hybrid scenarios with SSIS</p> <p>Enhanced backup to Azure</p> <p>Easy migration to the cloud</p> <p>Secure backups to Azure with managed backups</p>	<p>JSON support</p> <p>Spatial features, Full Globe and arcs</p> <p>Support for Temporal Tables</p> <p>Graph data support</p>	<p>Operational analytics</p> <p>Enhanced In-Memory DW with clustered ColumnStore</p> <p>Big Data integration with Hadoop and Azure Blob Storage</p> <p>Big Data Queries with T-SQL</p> <p>Enhanced database caching</p> <p>Direct Query</p>	<p>Machine Learning with built-in support for Python and R</p> <p>Operationalize Advanced Analytics where the data lives</p> <p>RRE APIs with full parallelism and no memory limits for scale/performance</p> <p>Built-in In-memory Advanced Analytics</p> <p>Advanced data mining</p>	<p>Support for Linux (RHEL, SUSE, Ubuntu)</p> <p>Support for Docker containers and Kubernetes</p>

## End of support offers for SQL Server 2008 and 2008 R2

### Save up to 85% with Azure Hybrid Benefit

Save even more when you migrate your SQL Server 2008 or 2008 R2 to Azure SQL Database Managed Instances, a fully managed, "version-free" database-as-a service, or to Azure virtual machines with the [Azure Hybrid Benefit](#).

### Extended Security Updates for on-premises environments

Customers with Software Assurance or subscription licenses may purchase Extended Security Updates for 3 years of security updates for SQL Server 2008 and 2008 R2. Customers can purchase Extended Security Updates for only the servers they need to cover.

### Free Extended Security Updates in Azure

Lift and shift your SQL Server and Windows Server 2008 and 2008 R2 workloads to Azure with no application code change right away. This gives you more time to plan your upgrade to newer versions such as SQL Server 2017 or Windows Server 2016 running in Azure.

 [Learn more about SQL Server 2008 and 2008 R2 end of support here.](#)

Contact your Microsoft representative to upgrade today!