**Compare versions of SQL Server**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Features** |  | **SQL Server 2014** | **SQL Server 2012** | **SQL Server 2008 R2** | **SQL Server 2008** |
| Features  **Performance** | In-memory OLTP\* | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | In-memory ColumnStore\* | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Buffer pool extension to SSD | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Resource Governor | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features  **Availability** | AlwaysOn\* | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Enhanced virtualization support and live migration | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features  **Security** | Transparent data encryption\* | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Backup encryption support | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Fine-grained auditing | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Separation of duties | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features  **Cloud-readiness** | Backup to Microsoft Azure | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Disaster recovery to Microsoft Azure | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Optimized VM images in Microsoft Azure gallery | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features  **Management & programmability** | Distributed replay | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Policy-based management | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Enhanced programmability | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features  **BI & analytics** | PowerPivot for Excel | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Integration services managed as a server | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Hadoop connector via Apache Sqoop | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Tabular BI semantic model\* | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Master data services\* | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |
| Features | Data quality services\* | SQL Server 2014 | SQL Server 2012 | SQL Server 2008 R2 | SQL Server 2008 |

\*SQL Server Enterprise and Business Intelligence editions only