**Features Supported by the Editions of SQL Server 2014**

**SQL Server 2014**

[Other Versions](javascript:;)

Description: http://i.msdn.microsoft.com/Areas/Epx/Content/Images/ImageSprite.png

* [SQL Server 2012](http://msdn.microsoft.com/en-in/library/cc645993(d=printer,v=sql.110).aspx)
* [SQL Server 2008 R2](http://msdn.microsoft.com/en-in/library/cc645993(d=printer,v=sql.105).aspx)
* [SQL Server 2008](http://msdn.microsoft.com/en-in/library/cc645993(d=printer,v=sql.100).aspx)

This topic provides details of features supported by the different editions of SQL Server 2014.

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| --- |
| **Description: NoteNote** |
| SQL Server is available in an Evaluation edition for a 180-day trial period. For more information, see the SQL Server [Trial Software Web Site](http://go.microsoft.com/fwlink/?LinkId=190955). |
| **Description: NoteNote** |
| For features supported by Evaluation and Developer editions see the SQL Server Enterprise feature set. |

To navigate to the table for a SQL Server technology, click on its link:

[Cross-Box Scale Limits](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#CrossBoxScale)

[High Availability](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#High_availability)

[Scalability and Performance](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#Scalability)

[Security](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#Enterprise_security)

[Replication](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#Replication)

[Management Tools](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#Mgmt_tools)

[RDBMS Manageability](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#RDBMS_mgmt)

[Development Tools](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#Dev_tools)

[Programmability](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#Programmability)

[Integration Services](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#SSIS)

[Integration Services-Advanced Adapters](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#SSIS_AA)

[Integration Services-Advanced Transforms](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#SSIS_AT)

[Master Data Services](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#MDS)

[Data Warehouse](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#Data_warehouse)

[Analysis Services](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#SSAS)

[BI Semantic Model (Multidimensional)](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#BISemModel_multi)

[BI Semantic Model (Tabular)](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#BISemModel_tabular)

[PowerPivot for SharePoint](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#PowerPivot)

[Data Mining](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#DataMining)

[Reporting Services](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#Reporting)

[Business Intelligence Clients](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#BIClients)

[Spatial and Location Services](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#Spatial)

[Additional Database Services](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#Add_DBServices)

[Other Components](http://msdn.microsoft.com/en-in/library/cc645993(d=printer).aspx#Other_Components)

[**Cross-Box Scale Limits**](javascript:void(0))

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Maximum Compute Capacity Used by a Single Instance (SQL Server Database Engine)1 | Operating System maximum | Limited to lesser of 4 Sockets or 16 cores | Limited to lesser of 4 Sockets or 16 cores | Limited to lesser of 4 Sockets or 16 cores | Limited to lesser of 1 Socket or 4 cores | Limited to lesser of 1 Socket or 4 cores | Limited to lesser of 1 Socket or 4 cores |
| Maximum Compute Capacity Used by a Single Instance (Analysis Services, Reporting Services) 1 | Operating system maximum | Operating system maximum | Limited to lesser of 4 Sockets or 16 cores | Limited to lesser of 4 Sockets or 16 cores | Limited to lesser of 1 Socket or 4 cores | Limited to lesser of 1 Socket or 4 cores | Limited to lesser of 1 Socket or 4 cores |
| Maximum memory utilized (per instance of SQL Server Database Engine) | Operating system maximum | 128 GB | 128 GB | 64 GB | 1 GB | 1 GB | 1 GB |
| Maximum memory utilized (per instance of Analysis Services) | Operating system maximum | Operating system maximum | 64 GB | N/A | N/A | N/A | N/A |
| Maximum memory utilized (per instance of Reporting Services) | Operating system maximum | Operating system maximum | 64 GB | 64 GB | 4 GB | N/A | N/A |
| Maximum relational Database size | 524 PB | 524 PB | 524 PB | 524 PB | 10 GB | 10 GB | 10 GB |

1 Enterprise Edition with Server + Client Access License (CAL) based licensing (not available for new agreements) is limited to a maximum of 20 cores per SQL Server instance. There are no limits under the Core-based Server Licensing model. For more information, see [Compute Capacity Limits by Edition of SQL Server](http://msdn.microsoft.com/en-in/library/ms143760.aspx).

[**High Availability**](javascript:void(0))

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Server Core support1 | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Log Shipping | Yes | Yes | Yes | Yes |  |  |  |
| Database mirroring | Yes | Yes (Safety Full Only) | Yes (Safety Full Only) | Witness only | Witness only | Witness only | Witness only |
| Backup compression | Yes | Yes | Yes |  |  |  |  |
| Database snapshot | Yes |  |  |  |  |  |  |
| Alwayson Failover Cluster Instances | Yes (Node support: Operating system maximum | Yes (Node support: 2) | Yes (Node support: 2) |  |  |  |  |
| AlwaysOn Availability Groups | Yes (up to 8 secondary replicas, including 2 synchronous secondary replicas) |  |  |  |  |  |  |
| Connection Director | Yes |  |  |  |  |  |  |
| Online page and file restore | Yes |  |  |  |  |  |  |
| Online indexing | Yes |  |  |  |  |  |  |
| Online schema change | Yes |  |  |  |  |  |  |
| Fast recovery | Yes |  |  |  |  |  |  |
| Mirrored backups | Yes |  |  |  |  |  |  |
| Hot Add Memory and CPU2 | Yes |  |  |  |  |  |  |
| Database Recovery Advisor | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Encrypted Backup | Yes | Yes | Yes |  |  |  |  |
| Smart Backup | Yes | Yes | Yes | No |  |  |  |

1 For more information on installing SQL Server 2014 on Server Core, see [Install SQL Server 2014 on Server Core](http://msdn.microsoft.com/en-in/library/hh231669.aspx).

2 This feature is only available for 64-bit SQL Server.

[**Scalability and Performance**](javascript:void(0))

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Multi-instance support | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Table and index partitioning | Yes |  |  |  |  |  |  |
| Data compression | Yes |  |  |  |  |  |  |
| Resource Governor | Yes |  |  |  |  |  |  |
| Partition Table Parallelism | Yes |  |  |  |  |  |  |
| Multiple Filestream containers | Yes |  |  |  |  |  |  |
| NUMA Aware Large Page Memory and Buffer Array Allocation | Yes |  |  |  |  |  |  |
| Buffer Pool Extension 1 | Yes | Yes | Yes |  |  |  |  |
| IO Resource Governance | Yes |  |  |  |  |  |  |
| In-Memory OLTP 1 | Yes |  |  |  |  |  |  |
| Delayed durability | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

1 This feature is only available for 64-bit SQL Server.

[**Security**](javascript:void(0))

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Basic Auditing | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Fine Grained Auditing | Yes |  |  |  |  |  |  |
| Transparent database encryption | Yes |  |  |  |  |  |  |
| Extensible Key Management | Yes |  |  |  |  |  |  |
| User-Defined Roles | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Contained Databases | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Encryption for Backups | Yes | Yes | Yes |  |  |  |  |

[**Replication**](javascript:void(0))

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| SQL Server change tracking | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Merge replication | Yes | Yes | Yes | Yes (Subscriber only) | Yes (Subscriber only) | Yes (Subscriber only) | Yes (Subscriber only) |
| Transactional replication | Yes | Yes | Yes | Yes (Subscriber only) | Yes (Subscriber only) | Yes (Subscriber only) | Yes (Subscriber only) |
| Snapshot replication | Yes | Yes | Yes | Yes (Subscriber only | Yes (Subscriber only) | Yes (Subscriber only) | Yes (Subscriber only) |
| Heterogeneous subscribers | Yes | Yes | Yes |  |  |  |  |
| Oracle publishing | Yes |  |  |  |  |  |  |
| Peer to Peer transactional replication | Yes |  |  |  |  |  |  |

[**Management Tools**](javascript:void(0))

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| SQL Management Objects (SMO) | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| SQL Configuration Manager | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| SQL CMD (Command Prompt tool) | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| SQL Server Management Studio | Yes | Yes | Yes | Yes | Yes | Yes |  |
| Distributed Replay – Admin Tool | Yes | Yes | Yes | Yes | Yes | Yes |  |
| Distributed Replay - Client | Yes | No | Yes | Yes |  |  |  |
| Distributed Replay - Controller | Yes (Enterprise supports up to 16 clients, Developer supports only 1 client) | No | Yes (1 client support only) | Yes (1 client support only) |  |  |  |
| SQL Profiler | Yes | Yes | Yes | No2 | No2 | No2 | No2 |
| SQL Server Agent | Yes | Yes | Yes | Yes |  |  |  |
| Microsoft System Center Operations Manager Management Pack | Yes | Yes | Yes | Yes |  |  |  |
| Database Tuning Advisor (DTA) | Yes | Yes | Yes3 | Yes3 |  |  |  |
| Deploy a SQL Server Database to a Windows Azure VM Wizard | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| SQL Server Data Files in Windows Azure | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

2 SQL Server Web, SQL Server Express, SQL Server Express with Tools, and SQL Server Express with Advanced Services can be profiled using SQL Server Standard and SQL Server Enterprise editions.

3 Tuning enabled only on Standard edition features.

[**RDBMS Manageability**](javascript:void(0))

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| User Instances |  |  |  |  | Yes | Yes | Yes |
| LocalDB |  |  |  |  | Yes | Yes |  |
| Dedicated admin connection | Yes | Yes | Yes | Yes | Yes (under trace flag) | Yes (under trace flag) | Yes (under trace flag) |
| PowerShell scripting support | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| SysPrep support1 | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Support for Data-tier application component operations – extract, deploy, upgrade, delete | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Policy automation (check on schedule and change) | Yes | Yes | Yes | Yes |  |  |  |
| Performance data collector | Yes | Yes | Yes | Yes |  |  |  |
| Able to enroll as a managed instance in a multi-instance management | Yes | Yes | Yes | Yes |  |  |  |
| Standard performance reports | Yes | Yes | Yes | Yes |  |  |  |
| Plan guides and plan freezing for plan guides | Yes | Yes | Yes | Yes |  |  |  |
| Direct query of indexed views (using NOEXPAND hint) | Yes | Yes | Yes | Yes |  |  |  |
| Automatic indexed view maintenance | Yes | Yes | Yes | Yes |  |  |  |
| Distributed partitioned views | Yes | Partial. Distributed Partitioned Views are not updatable | Partial. Distributed Partitioned Views are not updatable | Partial. Distributed Partitioned Views are not updatable | Partial. Distributed Partitioned Views are not updatable | Partial. Distributed Partitioned Views are not updatable | Partial. Distributed Partitioned Views are not updatable |
| Parallel indexed operations | Yes |  |  |  |  |  |  |
| Automatic use of indexed view by query optimizer | Yes |  |  |  |  |  |  |
| Parallel consistency check | Yes |  |  |  |  |  |  |
| SQL Server Utility control point | Yes |  |  |  |  |  |  |
| Contained Databases | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Buffer Pool Extension2 | Yes | Yes | Yes |  |  |  |  |

1 For more information, see [Considerations for Installing SQL Server Using SysPrep](http://msdn.microsoft.com/en-in/library/ee210754.aspx).

2 This feature is only available for 64-bit SQL Server.

[**Development Tools**](javascript:void(0))

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Microsoft Visual Studio Integration | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Intellisense (Transact-SQL and MDX) | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| SQL Server Data Tools (SSDT) | Yes | Yes | Yes | Yes | Yes |  |  |
| SQL query edit and design tools1 | Yes | Yes | Yes |  |  |  |  |
| Version control support1 | Yes | Yes | Yes |  |  |  |  |
| MDX edit, debug, and design tools1 | Yes | Yes | Yes |  |  |  |  |

1 This feature is not available for 64-bit version of Standard edition.

[**Programmability**](javascript:void(0))

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Common Language Runtime (CLR) Integration | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Native XML support | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| XML indexing | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| MERGE & UPSERT Capabilities | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| FILESTREAM support | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| FileTable | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Date and Time datatypes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Internationalization support | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Full-text and semantic search | Yes | Yes | Yes | Yes | Yes |  |  |
| Specification of language in query | Yes | Yes | Yes | Yes | Yes |  |  |
| Service Broker (messaging) | Yes | Yes | Yes | No (Client only) | No (Client only) | No (Client only) | No (Client only) |
| Web services (HTTP/SOAP endpoints) | Yes | Yes | Yes | Yes |  |  |  |
| Transact-SQL endpoints | Yes | Yes | Yes | Yes |  |  |  |

[**Integration Services**](javascript:void(0))

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| **Feature** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| SQL Server Import and Export Wizard | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Built-in data source connectors | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| SSIS designer and runtime | Yes | Yes | Yes |  |  |  |  |
| Basic Transforms | Yes | Yes | Yes |  |  |  |  |
| Basic data profiling tools | Yes | Yes | Yes |  |  |  |  |
| Change Data Capture Service for Oracle by Attunity | Yes |  |  |  |  |  |  |
| Change Data Capture Designer for Oracle by Attunity | Yes |  |  |  |  |  |  |

**Integration Services - Advanced Adapters**

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| High performance Oracle destination | Yes |  |  |  |  |  |  |
| High performance Teradata destination | Yes |  |  |  |  |  |  |
| SAP BW source and destination | Yes |  |  |  |  |  |  |
| Data mining model training destination adapter | Yes |  |  |  |  |  |  |
| Dimension processing destination adapter | Yes |  |  |  |  |  |  |
| Partition processing destination adapter | Yes |  |  |  |  |  |  |
| Change Data Capture components by Attunity | Yes |  |  |  |  |  |  |
| Connector for Open Database Connectivity (ODBC) by Attunity | Yes |  |  |  |  |  |  |

**Integration Services - Advanced Transforms**

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Persistent (high performance) lookups | Yes |  |  |  |  |  |  |
| Data mining query transformation | Yes |  |  |  |  |  |  |
| Fuzzy grouping and lookup transformations | Yes |  |  |  |  |  |  |
| Term extractions and lookup transformations | Yes |  |  |  |  |  |  |

[**Master Data Services**](javascript:void(0))

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Description: NoteNote** | | | | | | | |
| * Master Data Services is available on the 64-bit editions of Business Intelligence and Enterprise only. | | | | | | | |
| **Feature** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Master Data Services database | Yes | Yes |  |  |  |  |  |
| Master Data Manager web application | Yes | Yes |  |  |  |  |  |

[**Data Warehouse**](javascript:void(0))

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Create cubes without a database | Yes | Yes | Yes |  |  |  |  |
| Auto-generate staging and data warehouse schema | Yes | Yes | Yes |  |  |  |  |
| Change data capture | Yes |  |  |  |  |  |  |
| Star join query optimizations | Yes |  |  |  |  |  |  |
| Scalable read-only Analysis Services configuration | Yes |  |  |  |  |  |  |
| Parallel query processing on partitioned tables and indices | Yes |  |  |  |  |  |  |
| xVelocity memory optimized columnstore indexes | Yes |  |  |  |  |  |  |
| Global Batch Aggregation | Yes |  |  |  |  |  |  |

[**Analysis Services**](javascript:void(0))

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Scalable Shared Databases (Attach/Detach, Read only databases) | Yes | Yes |  |  |  |  |  |
| Backup/Restore, Attach/Detach databases | Yes | Yes | Yes |  |  |  |  |
| Synchronize databases | Yes | Yes |  |  |  |  |  |
| High Availability | Yes | Yes | Yes |  |  |  |  |
| Programmability (AMO, ADOMD.Net, OLEDB, XML/A, ASSL) | Yes | Yes | Yes |  |  |  |  |

**BI Semantic Model (Multidimensional)**

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Semi-additive Measures | Yes | Yes | No1 |  |  |  |  |
| Hierarchies | Yes | Yes | Yes |  |  |  |  |
| KPIs | Yes | Yes | Yes |  |  |  |  |
| Perspectives | Yes | Yes |  |  |  |  |  |
| Actions | Yes | Yes | Yes |  |  |  |  |
| Account intelligence | Yes | Yes | Yes |  |  |  |  |
| Time Intelligence | Yes | Yes | Yes |  |  |  |  |
| Custom rollups | Yes | Yes | Yes |  |  |  |  |
| Writeback cube | Yes | Yes | Yes |  |  |  |  |
| Writeback dimensions | Yes | Yes |  |  |  |  |  |
| Writeback cells | Yes | Yes | Yes |  |  |  |  |
| Drillthrough | Yes | Yes | Yes |  |  |  |  |
| Advanced hierarchy types (Parent-Child, Ragged Hiearchies) | Yes | Yes | Yes |  |  |  |  |
| Advanced dimensions (Reference dimensions, many-to-many dimensions | Yes | Yes | Yes |  |  |  |  |
| Linked measures and dimensions | Yes | Yes |  |  |  |  |  |
| Translations | Yes | Yes | Yes |  |  |  |  |
| Aggregations | Yes | Yes | Yes |  |  |  |  |
| Multiple Partitions | Yes | Yes | Yes, up to 3 |  |  |  |  |
| Proactive Caching | Yes | Yes |  |  |  |  |  |
| Custom Assemblies (stored procs) | Yes | Yes | Yes |  |  |  |  |
| MDX queries and scripts | Yes | Yes | Yes |  |  |  |  |
| Role-based security model | Yes | Yes | Yes |  |  |  |  |
| Dimension and Cell-level Security | Yes | Yes | Yes |  |  |  |  |
| Scalable string storage | Yes | Yes | Yes |  |  |  |  |
| MOLAP, ROLAP, HOLAP storage modes | Yes | Yes | Yes |  |  |  |  |
| Binary and compressed XML transport | Yes | Yes | Yes |  |  |  |  |
| Push-mode processing | Yes | Yes |  |  |  |  |  |
| Direct Writeback | Yes | Yes |  |  |  |  |  |
| Measure Expressions | Yes | Yes |  |  |  |  |  |

1The LastChild semi-additive measure is supported in standard edition, but other semi-additive measures, such as None, FirstChild, FirstNonEmpty, LastNonEmpty, AverageOfChildren, and ByAccount, are not. Additive measures, such as Sum, Count, Min, Max, and non-additive measures (DistinctCount) are supported on all editions.

**BI Semantic Model (Tabular)**

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Hierarchies | Yes | Yes |  |  |  |  |  |
| KPIs | Yes | Yes |  |  |  |  |  |
| Semi-additive Measures | Yes | Yes |  |  |  |  |  |
| Perspectives | Yes | Yes |  |  |  |  |  |
| Translations | Yes | Yes |  |  |  |  |  |
| DAX calculations, DAX queries, MDX queries | Yes | Yes |  |  |  |  |  |
| Row-level Security | Yes | Yes |  |  |  |  |  |
| Partitions | Yes | Yes |  |  |  |  |  |
| In-Memory and DirectQuery storage modes (Tabular only) | Yes | Yes |  |  |  |  |  |

**PowerPivot for SharePoint**

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| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| SharePoint farm integration based on shared service architecture | Yes | Yes |  |  |  |  |  |
| Usage reporting | Yes | Yes |  |  |  |  |  |
| Health monitoring rules | Yes | Yes |  |  |  |  |  |
| PowerPivot Gallery | Yes | Yes |  |  |  |  |  |
| PowerPivot Data Refresh | Yes | Yes |  |  |  |  |  |
| PowerPivot Data Feeds | Yes | Yes |  |  |  |  |  |

**Data Mining**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Standard Algorithms | Yes | Yes | Yes |  |  |  |  |
| Data Mining Tools (Wizards, Editors Query Builders) | Yes | Yes | Yes |  |  |  |  |
| Cross Validation | Yes | Yes |  |  |  |  |  |
| Models on Filtered Subsets of Mining Structure Data | Yes | Yes |  |  |  |  |  |
| Time Series: Custom Blending Between ARTXP and ARIMA Methods | Yes | Yes |  |  |  |  |  |
| Time Series: Prediction with New Data | Yes | Yes |  |  |  |  |  |
| Unlimited Concurrent DM Queries | Yes | Yes |  |  |  |  |  |
| Advanced Configuration & Tuning Options for Data Mining Algorithms | Yes | Yes |  |  |  |  |  |
| Support for plug-in algorithms | Yes | Yes |  |  |  |  |  |
| Parallel Model Processing | Yes | Yes |  |  |  |  |  |
| Time Series: Cross-Series Prediction | Yes | Yes |  |  |  |  |  |
| Unlimited attributes for Association Rules | Yes | Yes |  |  |  |  |  |
| Sequence Prediction | Yes | Yes |  |  |  |  |  |
| Multiple Prediction Targets for Naïve Bayes, Neural Network and Logistic Regression | Yes | Yes |  |  |  |  |  |

[**Reporting Services**](javascript:void(0))

**Reporting Services Features**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Supported catalog DB SQL Server edition | Standard or higher | Standard or higher | Standard or higher | Web | Express |  |  |
| Supported data source SQL Server edition | All SQL Server editions | All SQL Server editions | All SQL Server editions | Web | Express |  |  |
| Report server | Yes | Yes | Yes | Yes | Yes |  |  |
| Report Designer | Yes | Yes | Yes | Yes | Yes |  |  |
| Report Manager | Yes | Yes | Yes | Yes | Yes |  |  |
| Role based security | Yes | Yes | Yes | Yes | Yes |  |  |
| Word Export and Rich Text Support | Yes | Yes | Yes | Yes | Yes |  |  |
| Enhanced gauges and charting | Yes | Yes | Yes | Yes | Yes |  |  |
| Export to Excel, PDF, and Images | Yes | Yes | Yes | Yes | Yes |  |  |
| Custom authentication | Yes | Yes | Yes | Yes | Yes |  |  |
| Report as data feeds | Yes | Yes | Yes | Yes | Yes |  |  |
| Model support | Yes | Yes | Yes | Yes |  |  |  |
| Create custom roles for role-based security | Yes | Yes | Yes |  |  |  |  |
| Model Item security | Yes | Yes | Yes |  |  |  |  |
| Infinite click through | Yes | Yes | Yes |  |  |  |  |
| Shared component library | Yes | Yes | Yes |  |  |  |  |
| Email and file share subscriptions and scheduling | Yes | Yes | Yes |  |  |  |  |
| Report history, execution snapshots and caching | Yes | Yes | Yes |  |  |  |  |
| SharePoint Integration | Yes | Yes | Yes |  |  |  |  |
| Remote and non-SQL data source support1 | Yes | Yes | Yes |  |  |  |  |
| Data source, delivery and rendering, RDCE extensibility | Yes | Yes | Yes |  |  |  |  |
| Data driven report subscription | Yes | Yes |  |  |  |  |  |
| Scale out deployment (Web farms) | Yes | Yes |  |  |  |  |  |
| Alerting2 | Yes | Yes |  |  |  |  |  |
| Power View2 | Yes | Yes |  |  |  |  |  |

1For more information on the supported datasources in SQL Server 2014 Reporting Services (SSRS), see [Data Sources Supported by Reporting Services (SSRS)](http://msdn.microsoft.com/en-in/library/ms159219.aspx).

2Requires Reporting Services in SharePoint mode. For more information, see [Reporting Services SharePoint Mode Installation (SharePoint 2010 and SharePoint 2013)](http://msdn.microsoft.com/en-in/library/cc281311.aspx).

**Report Server Database Server Edition Requirements**

When creating a report server database, not all editions of SQL Server can be used to host the database. The following table shows you which editions of the Database Engine you can use for specific editions of Reporting Services.

|  |  |
| --- | --- |
| **For this edition of SQL Server Reporting Services** | **Use this edition of the Database Engine instance to host the database** |
| Enterprise | Standard, Business Intelligence Enterprise, editions (local or remote) |
| Business Intelligence | Standard, Business Intelligence Enterprise, editions (local or remote) |
| Standard | Standard, Enterprise editions (local or remote) |
| Web | Web edition (local only) |
| Express with Advanced Services | Express with Advanced Services (local only). |
| Evaluation | Evaluation |

[**Business Intelligence Clients**](javascript:void(0))

The following software client applications are available on the Microsoft Downloads center and are provided to assist you with creating business intelligence documents that run on a SQL Server instance. When you host these documents in a server environment, use an edition of SQL Server that is supported for that document type. The following table identifies which SQL Server edition contains the server features required to host the documents created in these client applications.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Report Builder | Yes | Yes | Yes |  |  |  |  |
| Data Mining Addins for Excel and Visio 2010 | Yes | Yes | Yes |  |  |  |  |
| PowerPivot for Excel 2010 | Yes | Yes |  |  |  |  |  |
| Master Data Services Add-in for Excel | Yes | Yes |  |  |  |  |  |
| **Description: NoteNote** | | | | | | | |
| 1. PowerPivot for Excel is an Excel addin and does not depend on SQL Server. However PowerPivot for SharePoint is required for sharing and collaborating with PowerPivot workbooks in SharePoint and this capability is available as part of SQL Server Enterprise and Business Intelligence editions. 2. The above table identifies the SQL Server editions that are required to enable these client tools; however these features can access data hosted on any edition of SQL Server. | | | | | | | |

[**Spatial and Location Services**](javascript:void(0))

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Spatial indexes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Planar and Geodetic datatypes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Advanced spatial libraries | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Import/export of industry-standard spatial data formats | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

[**Additional Database Services**](javascript:void(0))

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| SQL Server Migration Assistant | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Database mail | Yes | Yes | Yes | Yes |  |  |  |

[**Other Components**](javascript:void(0))

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Feature Name** | **Enterprise** | **Business Intelligence** | **Standard** | **Web** | **Express with Advanced Services** | **Express with Tools** | **Express** |
| Data Quality Services | Yes | Yes |  |  |  |  |  |
| StreamInsight | StreamInsight Premium Edition | StreamInsight Standard Edition | StreamInsight Standard Edition | StreamInsight Standard Edition |  |  |  |
| StreamInsight HA | StreamInsight Premium Edition |  |  |  |  |  |  |

[**See Also**](javascript:void(0))

**Concepts**

[Installation for SQL Server 2014](http://msdn.microsoft.com/en-in/library/bb500469.aspx)

[Quick-Start Installation of SQL Server 2014](http://msdn.microsoft.com/en-in/library/bb500433.aspx)

**Other Resources**

[Product Specifications for SQL Server 2014](http://msdn.microsoft.com/en-in/library/ms143287.aspx)

**Community Additions**

**In-Memory OLTP feature**

OLTP stands for "Online transaction processing". SQL Server 2014 execute database transaction in-memory. You choose a heavily accessed table and make it optimized memory, so all you can access its data in the same way as disk-based tables. This table is called "memory optimized table". The goal is to allow users to get fast responses to their queries.

http://msdn.microsoft.com/en-us/library/dn133186.aspx

[Description: http://i1.social.s-msft.com/profile/u/avatar.jpg?displayname=junior+mayhe&size=small](http://social.msdn.microsoft.com/profile/junior%20mayhe/)

[Junior Mayhe](http://social.msdn.microsoft.com/profile/junior%20mayhe/)

8/18/2014

**MSSQL 2012 Features**

what is the difference bvetween Basic and Fine Grained Auditing?

[Description: http://i1.social.s-msft.com/profile/u/avatar.jpg?displayname=irenecat5&size=small](http://social.msdn.microsoft.com/profile/irenecat5/)

[IreneCat5](http://social.msdn.microsoft.com/profile/irenecat5/)

8/13/2014

**SQL Server 2012 Express versus Evaluation Features**

The features chart for SQL Server 2012 Express are incorrect on this site. I spent 2+ hours downloading Express based on the tables of features for the different versions of SQL Server 2012. I needed only database engine and Integration Services. The table for Express says Integration Services is included in 2012. However, it is not. I had to uninstall and reinstall the 2012 Evaluation.

[Description: http://i1.social.s-msft.com/profile/u/avatar.jpg?displayname=newellkc&size=small](http://social.msdn.microsoft.com/profile/newellkc/)

[newellkc](http://social.msdn.microsoft.com/profile/newellkc/)

8/11/2014

**@David KRIZ - XSLX download**

You can copy/paste the page into Excel and delete the extraneous info

[Description: http://i1.social.s-msft.com/profile/u/avatar.jpg?displayname=brian.morgan&size=small](http://social.msdn.microsoft.com/profile/brian.morgan/)

[Brian.Morgan](http://social.msdn.microsoft.com/profile/brian.morgan/)

6/5/2014

**Download this page in XLSx file**

Is it possible download this page (tables only, of course) as Excel document (XLSx file)?

Because I need compare it with the same table(s) for version 2012.

[Description: http://i1.social.s-msft.com/profile/u/avatar.jpg?displayname=david+kriz&size=small](http://social.msdn.microsoft.com/profile/david%20kriz/)

[David KRIZ](http://social.msdn.microsoft.com/profile/david%20kriz/)

5/13/2014

**Report Builder not available to Express - why ?**

It will definitely not force you to higher edition...

[Description: http://i1.social.s-msft.com/profile/u/avatar.jpg?displayname=ji%c5%99%c3%ad+z%c3%addek&size=small](http://social.msdn.microsoft.com/profile/ji%C5%99%C3%AD%20z%C3%ADdek/)

[Jiří Zídek](http://social.msdn.microsoft.com/profile/ji%C5%99%C3%AD%20z%C3%ADdek/)

4/2/2014

**64 GB memory cap for Standard Edition?**

Web Edition and Express I get the memory caps.  But Standard Edition is still incredibly expensive (at 2012 prices, around $30,000 for a standard 16 core server without SA and over $45,000 with SA).  How about increasing that to 256GB or something reasonable, but still capped such that Enterprise is enticing for huge data warehouses?  Especially considering 2014 will have a price increase?  It's like Microsoft wants users to abandon SQL Server for Open Source options.

[Description: http://i1.social.s-msft.com/profile/u/avatar.jpg?displayname=timothy+carroll&size=small](http://social.msdn.microsoft.com/profile/timothy%20carroll/)

[Timothy Carroll](http://social.msdn.microsoft.com/profile/timothy%20carroll/)

1/13/2014

**WEB Services HTTP/SOAP Endpoints were removed since 2012**

Please remove EndPoint misinformation

[Description: http://i1.social.s-msft.com/profile/u/avatar.jpg?displayname=elnel&size=small](http://social.msdn.microsoft.com/profile/elnel/)

[ElNel](http://social.msdn.microsoft.com/profile/elnel/)

11/28/2013

**Memory Optimized Table**

No information regarding to Memory Optimized Table (In-Memory OLTP).

[Description: http://i1.social.s-msft.com/profile/u/avatar.jpg?displayname=t.kitagawa&size=small](http://social.msdn.microsoft.com/profile/t.kitagawa/)

[T.Kitagawa](http://social.msdn.microsoft.com/profile/t.kitagawa/)

8/26/2013