



Microsoft SQL Server 2012 Enterprise Edition SP3 x86 & x64

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The introduction of the SL Server 2012 has been done by Microsoft in the world. Now it is a great time for all the IT professionals to use this version with the great speed it has. This server is not a quantum leap ahead from that of the SQL Server 2008 R2, but still, it can provide some good features and improvements that even extend to the reliability, accessibility, programmability, and ease in the use of the SQL Server. The Microsoft SQL 2012 is nothing but a relational system of management that is designed for the environment of the enterprise. It comprises a set of extensions in the programs and is used to enhance the structured query language. The Microsoft SQL 2012 supplants the SQL 2008 and it offers a range of new capabilities. This server is free and very reliable which delivers a rich and trusted store of data for the websites and applications of the desktops. It is good to know that there are different editions of the Microsoft SQL Server and it is all done by Microsoft. The Web edition of the Microsoft SQL Server is a low TCO option for the hosting of the web and it was introduced for focusing on the Self Service as well as Corporate Business Intelligence. SQL Server permits many clients to use the same database conjointly. Two modes of concurrently are controlled by the Microsoft SQL 2012, one is the pessimistic concurrency and the other is the optimistic concurrency.

Microsoft SQL Server 2012 Great Features:

AlwaysOn Availability Groups: One of the most important features of Microsoft is the release of the AlwaysOn Availability Group technology. The AlwaysOn Availability Group essentially is the evolution of the mirroring of the database. It can support up to four replicas and lets its users mix and match the **synchronous** as well as the **asynchronous** connections. To be added, unlike database mirroring, where the data is actively queried in the replicas

Column store indexes: Microsoft SQL Server 2012 has introduced a feature Column store indexes through which the query performance can be improved. Mainly used in the data warehousing and it is available to users when the user right-clicks on the folder named Non- Clustered Column store Index which is shown there.

User-Defined Server functions: It always makes custom database functions, and if the desired development group access to each database on the host which is being shared, then usually the ways used processors or were manual. The function created by the DBA will include accessibility on each DB or customized server functions on the machine.

Improved Auditing Characteristics: In all the editions of the SQL Server, Audit is available. Occasions can be customized easily by the users to be written with the audit specifications. Greater flexibility is given by the filtering attributes.

Sequence Items: Sequence item features were requested by the users who used to use Oracle for a long period. A sequence is an item that is also a counter and the best example of its usage is in the table of the increment value.

PowerView: The PowerView is a navigation of the geographical data and the visualization of the tool that allows the end-user reporting process. It provides a report designer that allows the users to take elements from the semantic data model which is constructed by IT, and then later create interactive powerful reports that can be enclosed in the .NET applications to Share point.

Simplified edition: The Microsoft SQL Server is delivered in three main editions that are business intelligence, enterprise, and standard. The Datacenter, workgroup, as well as the business editions, have been retired by Microsoft but, at the same time, it will continue to provide developer, express, and compact editions for them instead.

T-SQLEnhancements: T-SQL enhancement was provided by the SQL Server 2012. To be included the support for a new TRY-CONVERT operator for the conversion of data, OFFSET, and the FETCH for paging of data and a new Format () function for easy data formatting. The new THROW operator for the purpose of enhancement error handling and T-SQL windows functions can be used.



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