TOP TEN NEW FEATURES OF SQL SERVER 2019

01 Advanced Polybase Data Virtualization

Data integration needs are always a top priority. With Polybase, your business can make SQL Server the organization's data center, supporting T-SQL across Oracle, Teradata, MongoDB, and more.

02 Secure Enclaves in AlwaysEncrypted

Secure enclaves in AlwaysEncrypted offer DBAs a deeper level of security for transparent column encryption. The result is better security and performance among development teams when handling large amounts of data.

03 Reimagined Queries with Intelligent QP

Once again, Microsoft has upped the ante around SQL Server performance, enhancing the Query Optimizer with intelligent query processing to improve query performance's quality and applicability.

04 Boosted SLA and RTO through Accelerated Database Recovery

Database recovery has been given a face-lift in SQL Server 2019. In the event of a transaction rollback, ADR rapidly recovers the database and decreases processing tenfold for elevated SLA/RTO.

05 Easy Resolution of Data Truncation Errors

With SQL Server 2019, developers are no longer plagued by the trial and error of solving truncation errors. The warning messages now disclose all pertinent information regarding the warning, so you can quickly fix it and get back to your day.

06 Large-Volume Memory Optimization

Any large-scale environment using a lot of tempdb metadata will immediately notice the memory optimizations, which put an end to refactoring bottlenecks. Metadata can now sit in memory and be assessed efficiently without issues.

07 The New and Improved Query Store

Older versions of the Query Store would store unused queries, consuming too many resources and getting overloaded. The SQL Server 2019 version allows DBAs to adjust execution statistics to track only the queries they'll need.

08 Advanced Index Building

Running out of time during an index build is never fun, but SQL Server 2019 alleviates the cancellation of builds and allows DBAs to pause an index build, save the work, and return to the project at their convenience.

09 Comprehensive Performance

Index optimization, improvements to temp table recompilation, and indirect checkpoint scalability enhancements are just a few of the ways SQL Server has been tuned to match the performance needs of the modern enterprise.

10 Lower Total Cost of Ownership

Compared to other databases like Oracle, SQL Server 2019 comes with all the necessary and advanced features at nearly a tenth of the cost. Additionally, SQL Server on Azure can be 73% less than hosting instances on AWS for cloud services.

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