



Azure™ Services Platform



Microsoft SQL Data Services Features Overview

RDBMS Support	
Features	Description
Core RDBMS	<p>A subset of the following features:</p> <ul style="list-style-type: none"> Creating, accessing and manipulating tables, views, indexes, roles, stored procedures, triggers, and functions Insert, Update, and Delete Constraints Transactions Temp tables Query support Basic functions (aggregates, math, string, date/time) A subset of the existing SQL Server built-in stored procedures and system views
Metrics	Support for tracking billable metrics in real time and for historical analysis
Data Types	All non-deprecated SQL 2008 data types except spatial data types



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Programmability	
Features	Description
Managed	ADO.NET
Native	ODBC
Interoperability	PHP

Tooling	
Features	Description
Deployment	Support for running SQL configuration scripts via SQLCMD and SQL Query Analyzer from within SQL Server Management Studio
Development	Support for Visual Studio and SQL Server Management Studio
Management	Support for SQL Server Management Studio, SQL Server Powershell and programmatic access via SQL Server Management Objects (SMO)
Provisioning	Support for friction free provisioning of Logical Servers and Databases through the SQL Data Services account portal



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Security Model	
Features	Comments
Authentication	SDS supports the SQL authentication model. User authenticated by standard SQL logins Login map to user inside the database
Authorization	Current SQL USER and ROLE mechanisms continue to work with the database. GRANT/DENY/REVOKE permissions of SQL objects to USER/ROLE.

Abilities	
Features	Comments
Availability	Redundant copies of user databases for fast failover and high availability in case of failures. Automatic load balancing for optimal resource utilization and performance.
Scalability	Scale out with multiple databases and partition-aware application
Manageability	Automatic system backup for data protection. A subset of existing SQL manageability facilities will be available.