Relational RDBMS :

MySQL, PostgreSQL, SQL SERVER

Definition and comparaison

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MySQL definition :

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  - ➢ MySQL is an Oracle-backed open-source relational database management systems RDBMS

  - ➢ Based on Strutered Query Language

  - ➢ It runs on virtually all platforms including Linux, UNIX and Windows

  - ➢ It's often associated with web applications and online publishing

PostgreSQL definition :

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➢ PostgreSQL is an open-source relational database management systems RDBMS

➢ Supports SQL and JSON

➢ Work with many operating system including Linux and Windows

SQL Server definition :

- ➢ SQL Server is an open-source relational database management systems RDBMS

- ➢ Supports SQL

- ➢ Work with many operating system including Linux and Windows

Comparaison between MySQL, PostSQL, Server SQL

Name	Microsoft SQL Server	MySQL	PostgreSQL
License	commercial	Open Source	Open Source
Server operating systems	Linux, Windows	FreeBSD, Linux, OS X, Solaris Windows	FreeBSD, HP-UX Linux, NetBSD OpenBSD, OS X Solaris, Unix Windows
APIs and other access methods	ADO.NET JDBC ODBC OLE DB Tabular Data Stream (TDS)	ADO.NET JDBC ODBC Proprietary native API	ADO.NET JDBC native C library ODBC streaming API for large objects

Name	Microsoft SQL Server	MySQL	PostgreSQL
Supported programming languages	C# C++ Delphi Go Java JavaScript (Node.js) PHP Python R Ruby Visual Basic	Ada, C, C#, C++, D, Delphi, Eiffel Erlang, Haskell Java, JavaScript (Node.js), Objective-C OCaml Perl PHP Python, Ruby,Scheme Tcl	.Net C C++ Delphi Java JavaScript (Node.js) Perl PHP Python Tcl