



# Etanova Enterprise Solutions

Relational Databases » 2018-07-20

<http://www.etanova.com/technologies/databases/relational>

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# Relational Databases

Relational Databases have been around for decades and provide an ideal solution for projects and web applications that require structured data. The foundation for these databases is relational algebra which specifies the relationships between various entities stored in the database. Advanced SQL search queries can be performed to join related data from various entities to find a particular subset of required information. Moreover, relational databases offer additional security, as sensitive data can be moved to separate entities with their own authorization controls.

## Microsoft SQL Server

Integrate Microsoft SQL Server seamlessly into .NET projects through Visual Studio. SQL Server offers high performance solutions for small to enterprise solutions. Use SQL Server Management Studio (SSMS) as an integrated environment for configuring and managing all databases.

## Oracle SQL Server

Create databases in Oracle SQL Server for cross platform compatible, medium to enterprise level solutions that operate in both Windows and Linux. Oracle server offers many advanced features such as partitioning, bitmap indexes, reverse key indexes, function-based indexes and star query optimization.

## MySQL

Use MySQL as an industry standard open source database for small to medium sized applications. The MySQL database has many robust features able to handle data persistence and querying requirements for most applications. It is used as the default database by many frameworks and content management systems.

## PostgreSQL

Use PostgreSQL as the most advanced, SQL-compliant, open source relational database. PostgreSQL has grown rapidly in the last several years and continued development is making it into a truly powerful and robust open source alternative.