



MICROSOFT SQL SERVER



OVERALL DESCRIPTI ON

- *one of the three market-leading*
- *SQL*
- *different add ons*



HOW DOES IT WORK?

- *row-based*
- *ACID*
- *database engine*
- *relational engine*
- *storage engine*



SQL SERVER SERVICES AND TOOLS

- *business intelligence (BI)*
- *analysis tools*
- *analytics engine*
- *tools for DBAs and developers*



EDITIONEN FROM SQL SERVER

- *four primary versions*
- *two are free*
Developer Edition
Express Edition
- *SQL Server Enterprise Edition*



MICROSOFT SQL SERVER 2019

- *September 2018*
- *new feature*
 - *data recovery (ADR)*
- *always-encrypted data*
- *improvements in query processing*



SECURITY FEATURES IN SQL SERVER

- *start SQL Server 2016 SP1*
- *always encrypted*
 - *without having to decrypt it*
- *row-level security*
- *dynamic data masking (DDM)*
- *supports Transport Layer Security Protocol (TLS)*