

SQL Profiler

- **Main Idea**

- To ease debugging and testing of Client – Server interaction

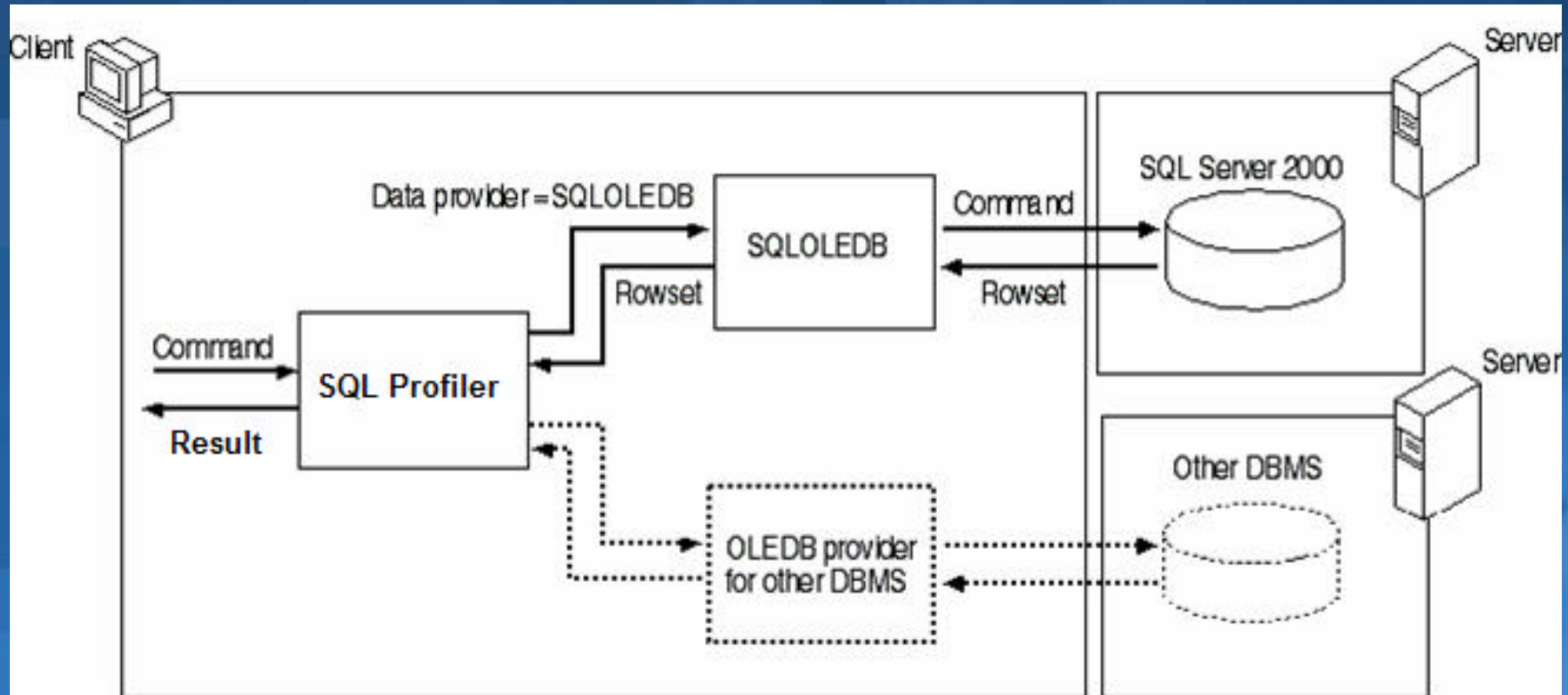
- **Alternative approaches**

- Debug the Client-Side application and check every batch it sends to the Server
- Debug Server-Side Stored Procedures and Triggers by using Stored Procedure Debugger in MS Visual Studio

- **Browser or C# Application ←(Profiler)→ SQL Server**

- **Debugging:** Much easier to detect the source of the problem
- **Backend Testing:** Replaying saved trace
- **Performance Tuning:** Build indexes for SPECIFIC to your application backend workload. Use saved trace and Index Tuning Wizard

SQL Profiler: Architecture



Data Transformation Services

- **Main Idea**
 - To ease Import, Export, Conversion, Aggregation, Replication of data
 - Framework with these operations provided as components and configurable data pipes between them
- **Alternative approaches**
 - Bcc command line utility
 - C#, Java programs
- **Use Cases (available components)**
 - **Import/Export** and **Transform** data from ANY source (>20 ODBC drivers with SQL Server and Microsoft Office + HTML data source)
 - **FTP/E-mail** the results
 - **Transform** data with any VBScript, Javascript, or external exe-file
 - **Transfer** the entire databases or tables
 - **SAVE** and **REUSE** the package



msdn.microsoft.com/sqlserver