

SQLXML

- **Main Idea**

- Provide easy access to Relational Data inside SQL Server via XML over HTTP

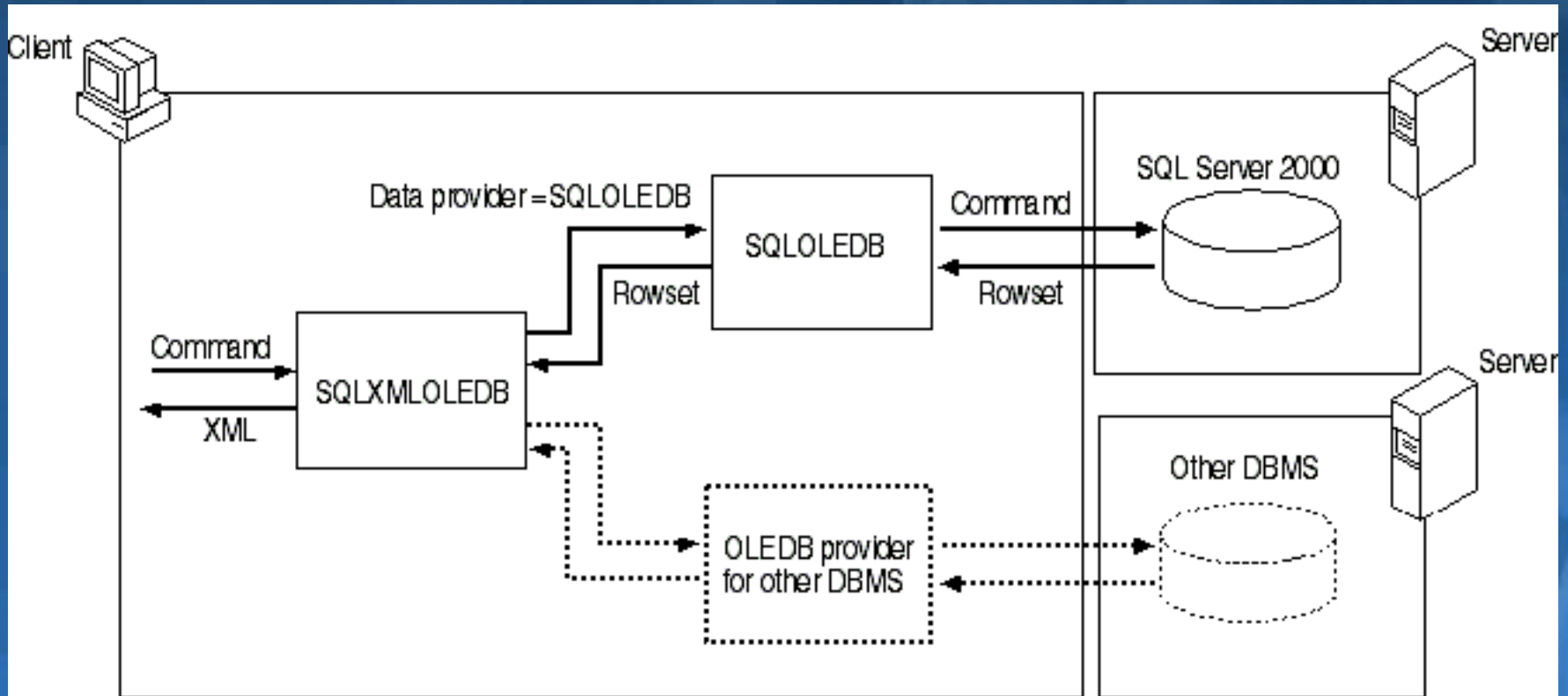
- **Alternative approaches**

- Browser (SOAP) $\leftarrow(\text{XML})\rightarrow$ Web Service $\leftarrow(\text{RowSet})\rightarrow$ SQL Server
- Browser (HTTP) $\leftarrow(\text{XML})\rightarrow$ Web Server Script $\leftarrow(\text{RowSet})\rightarrow$ SQL Server
- C# Application $\leftarrow(\text{XML})\rightarrow$ Web Service $\leftarrow(\text{RowSet})\rightarrow$ SQL Server

- **Browser or C# Application $\leftarrow(\text{XML})\rightarrow$ SQL Server**

- Less overhead
- Much easier

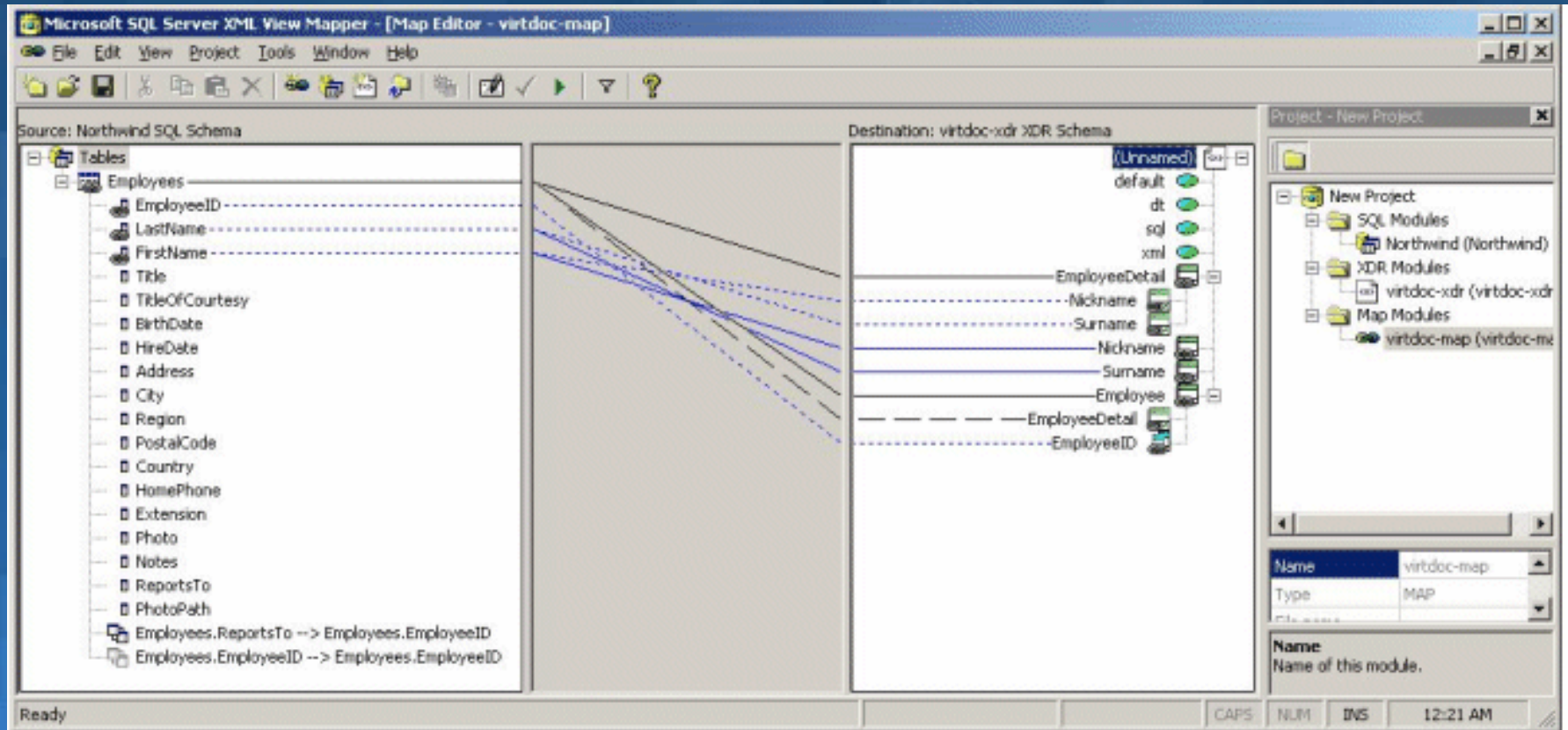
SQLXML: Architecture



SQLXML: Examples

- SQL via HTTP (from Browser or C# Application)
 - `http://hostname/database?SQL=select+*+from+Projects+for+xml+auto&root=root`
- Calling Stored Procedure via HTTP
 - `http://hostname/database?SQL=exec+DEMO_SelectProjects&root=root`
- Calling Templates with SQL queries inside via HTTP
 - `http://hostname/database/templates/projects.xml`
- Querying XML Schemas mapped using View Mapper
 - `http://hostname/database/SchemaFile/Customers[@CustomerID="5"]`

SQLXML: XML View Mapper





msdn.microsoft.com/sqlxml/