**What is the SQL Profiler?**

SQL Profiler is a graphical tool that allows the DBAs to monitor events in an instance of Microsoft SQL Server. Once those events and data are captured, you can save the results to a file or a table for later analysis

**The next few videos I will demonstrate the following capabilities of the Profiler:**

* How to monitor the performance of an instance of SQL Server via trace
* Review and debug T-SQL statements and stored procedures
* Identify what is causing slow-executing queries
* Audit activity against the SQL Server by tracing logins and users (security)
* Use the tuning template to analyze Indexes
* Add a user profiler template
* Best practice in using the SQL Profiler

**Does and don’ts of SQL Profiler**

* Since the Profiler adds a lot of overhead to production server, filter trace
* Save the trace to a file rather than a table first
* Use only when needed for short period of time, as it consumes CPU
* Configured the trace only relevant events and columns

**Terminology**

**Event** – An event is an action within an instance of SQL Server Database Engine

**Trace** – A trace captures data based on the columns and events

**Template** – A template defines the default configuration or one that you set for the trace