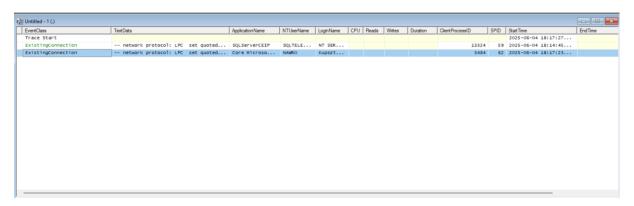
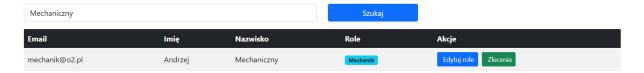
# Workshop Manager 2.0 Jakub Nawrocki, Adam Kiraly

# 2. SQL Profiler - nasłuch endpointu

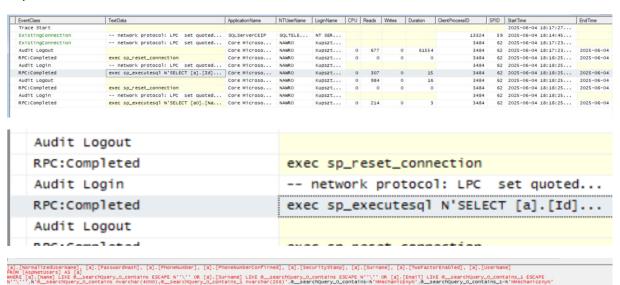
## Uruchamiamy nasłuch:



# W aplikacji wpisujemy kogo chcemy wyszukać:



### Sql Profiler:



#### Całe zapytanie:

exec sp\_executesql N'SELECT [a].[ld], [a].[AccessFailedCount], [a].[ConcurrencyStamp], [a].[Email], [a].[EmailConfirmed], [a].[LockoutEnabled], [a].[LockoutEnd], [a].[Name], [a].[NormalizedEmail], [a].[NormalizedUserName], [a].[PasswordHash], [a].[PhoneNumber], [a].[PhoneNumberConfirmed], [a].[SecurityStamp], [a].[Surname], [a].[TwoFactorEnabled], [a].[UserName]

#### FROM [AspNetUsers] AS [a]

WHERE [a].[Name] LIKE @\_\_searchQuery\_0\_contains ESCAPE N"\" OR [a].[Surname] LIKE @\_\_searchQuery\_0\_contains ESCAPE N"\" OR [a].[Email] LIKE @\_\_searchQuery\_0\_contains\_1 ESCAPE N"\",N'@\_\_searchQuery\_0\_contains nvarchar(4000),@\_\_searchQuery\_0\_contains\_1 nvarchar(256)',@\_\_searchQuery\_0\_contains=N'%Mechaniczny%',@\_\_searchQuery\_0\_contains\_1=N'%Mechaniczny%'

| Trace Start         |                                      |                |         |        |    |      |    |        |       |    | 2025-06-04 18:17:27 |          |
|---------------------|--------------------------------------|----------------|---------|--------|----|------|----|--------|-------|----|---------------------|----------|
| ExistingConnection  | network protocol: LPC set quoted     | SQLServerCEIP  | SQLTELE | NT SER |    |      |    |        | 13324 | 59 | 2025-06-04 18:14:45 |          |
| ExistingConnection  | network protocol: LPC set quoted     | Core Microso   | NAWRO   | Kupszt |    |      |    |        | 3484  | 62 | 2025-06-04 18:17:23 |          |
| Audit Logout        |                                      | Core Microso   | NAWRO   | Kupszt | 0  | 677  | 0  | 61554  | 3484  | 62 | 2025-06-04 18:17:23 | 2025-06- |
| RPC:Completed       | exec sp_reset_connection             | Core Microso   | NAWRO   | Kupszt | 0  | 0    | 0  | 0      | 3484  | 62 | 2025-06-04 18:18:25 | 2025-06- |
| Audit Login         | network protocol: LPC set quoted     | Core Microso   | NAWRO   | Kupszt |    |      |    |        | 3484  | 62 | 2025-06-04 18:18:25 |          |
| RPC:Completed       | exec sp_executesql N'SELECT [a].[Id] | Core Microso   | NAWRO   | Kupszt | 0  | 307  | 0  | 15     | 3484  | 62 | 2025-06-04 18:18:25 | 2025-06- |
| Audit Logout        |                                      | Core Microso   | NAWRO   | Kupszt | 0  | 984  | 0  | 16     | 3484  | 62 | 2025-06-04 18:18:25 | 2025-06- |
| RPC:Completed       | exec sp_reset_connection             | Core Microso   | NAWRO   | Kupszt | 0  | 0    | 0  | 0      | 3484  | 62 | 2025-06-04 18:18:25 | 2025-06- |
| Audit Login         | network protocol: LPC set quoted     | Core Microso   | NAWRO   | Kupszt |    |      |    |        | 3484  | 62 | 2025-06-04 18:18:25 |          |
| RPC:Completed       | exec sp_executesql N'SELECT [a0].[Na | Core Microso   | NAWRO   | Kupszt | 0  | 214  | 0  | 3      | 3484  | 62 | 2025-06-04 18:18:25 | 2025-06- |
| Audit Logout        |                                      | SQLServerCEIP  | SQLTELE | NT SER | 47 | 4492 | 26 | 297577 | 13324 | 59 | 2025-06-04 18:14:45 | 2025-06- |
| Audit Login         | network protocol: LPC set quoted     | SQLServerCEIP  | SQLTELE | NT SER |    |      |    |        | 13324 | 59 | 2025-06-04 18:19:45 |          |
| SQL:BatchStarting   | SET DEADLOCK_PRIORITY -10            | SQLServerCEIP  | SQLTELE | NT SER |    |      |    |        | 13324 | 59 | 2025-06-04 18:19:45 |          |
| SQL:BatchCompleted  | SET DEADLOCK_PRIORITY -10            | SQLServerCEIP  | SQLTELE | NT SER | 0  | 0    | 0  | 0      | 13324 | 59 | 2025-06-04 18:19:45 | 2025-06- |
| SQL:BatchStarting   | SELECT target_data FROM sy           | SQLServerCEIP  | SQLTELE | NT SER |    |      |    |        | 13324 | 59 | 2025-06-04 18:19:45 |          |
| SQL:BatchCompleted  | SELECT target_data FROM sy           | SQLServerCEIP  | SQLTELE | NT SER | 79 | 502  | 0  | 76     | 13324 | 59 | 2025-06-04 18:19:45 | 2025-06- |
| Audit Logout        |                                      | SQLServerCEIP  | SQLTELE | NT SER | 79 | 675  | 0  | 80     | 13324 | 59 | 2025-06-04 18:19:45 | 2025-06- |
| RPC:Completed       | exec sp_reset_connection             | SQLServerCEIP  | SQLTELE | NT SER | 0  | 0    | 0  | 0      | 13324 | 59 | 2025-06-04 18:19:46 | 2025-06- |
| Audit Login         | network protocol: LPC set quoted     | SQLServerCEIP  | SQLTELE | NT SER |    |      |    |        | 13324 | 59 | 2025-06-04 18:19:46 |          |
| SQL:BatchStarting   | SET DEADLOCK_PRIORITY -10            | SQLServerCEIP  | SQLTELE | NT SER |    |      |    |        | 13324 | 59 | 2025-06-04 18:19:46 |          |
| SOL: BatchCompleted | SET DEADLOCK PRIORITY -10            | SOI ServerCFTP | SOLTELE | NT SFR | 0  | 0    | n  | 0      | 13324 | 59 | 2025-06-04 18:19:46 | 2025-06- |

Zapytanie SQL, które zostało zarejestrowane w **SQL Server Profiler**, wykonuje **wyszukiwanie użytkowników** w tabeli AspNetUsers na podstawie wartości w kolumnach Name, Surname oraz Email.

SELECT [a].[Id], [a].[AccessFailedCount], [a].[ConcurrencyStamp], [a].[Email], [a].[EmailConfirmed], [a].[LockoutEnabled], [a].[LockoutEnd], [a].[Name], [a].[NormalizedEmail], [a].[NormalizedUserName], [a].[PasswordHash], [a].[PhoneNumber], [a].[PhoneNumberConfirmed], [a].[SecurityStamp], [a].[Surname], [a].[TwoFactorEnabled], [a].[UserName]

#### FROM [AspNetUsers] AS [a]

WHERE [a].[Name] LIKE @searchQuery\_0\_contains ESCAPE '\' OR [a].[Surname] LIKE @searchQuery\_0\_contains ESCAPE '\'

### Opis zapytania i analiza w SQL Server Profiler:

Zapytanie SQL zarejestrowane w **SQL Server Profiler** dotyczy wyszukiwania użytkowników w tabeli AspNetUsers na podstawie wartości w kolumnach Name, Surname i Email za pomocą operatora LIKE. Użycie wildcarda % w zapytaniu powoduje pełne skanowanie tabeli (Clustered Index Scan), co może negatywnie wpływać na wydajność w przypadku dużych tabel.

W SQL Server Profiler zarejestrowano zapytanie wykonane za pomocą procedury **sp\_executesql**, która pozwala na dynamiczne przekazywanie parametrów do zapytania. Zauważono również, że zapytanie jest wykonywane przy użyciu LIKE, co sprawia, że SQL Server nie jest w stanie w pełni wykorzystać indeksów (co prowadzi do pełnego skanowania tabeli).