**Capture deadlocks using Extended Event (40’)**

In this exercise, you must run extended events against an existing database and identify poor query patterns or sub-optimized data structures.

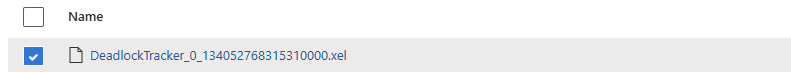
The following constraints must be respected:

* You must import the existing database troubledb.bacpac into your own Azure SQL using the following commands:
  + Invoke-WebRequest -Uri [https://seydp300.blob.core.windows.net/data/troubledb.bacpac -OutFile troubledb.bacpac](https://seydp300.blob.core.windows.net/data/troubledb.bacpac%20-OutFile%20troubledb.bacpac)
  + ./SqlPackage.exe /a:Import /sf:"troubledb.bacpac" /tcs:'Server=<yourserver>.database.windows.net; Database=troubleshooting; Authentication=Active Directory Password;User Id=sql@eyskens.onmicrosoft.com;Password=X`y\_X{%h6d51' /Diagnostics:True

The second command must be executed from within the folder where you unzipped the SqlPackage command line tool. An alternative is to add this folder into the SYSTEM PATH environment variable.

* You must use T-SQL to create the extended event
* You must use your server’s managed identity to let the server access the storage account where to store the events.

At the end of the exercise, you should have a capture in the Storage Account:



Download the file and open it, it should contain some events as shown below:

A blue and white rectangular object with numbers and text

AI-generated content may be incorrect.

Once done, stop the capture.