



**How to collect the first 10 or
every 4th event ?**

Taiob Ali



Dan Clemens @dan_clemens 5d

I want my extended event session to stop collecting data after 10 events have been captured. My GoogleFu is failing me. Any suggestions? #sqlhelp @erinstellato

💬 3 ↻ 1 ❤️ 1 ⋮

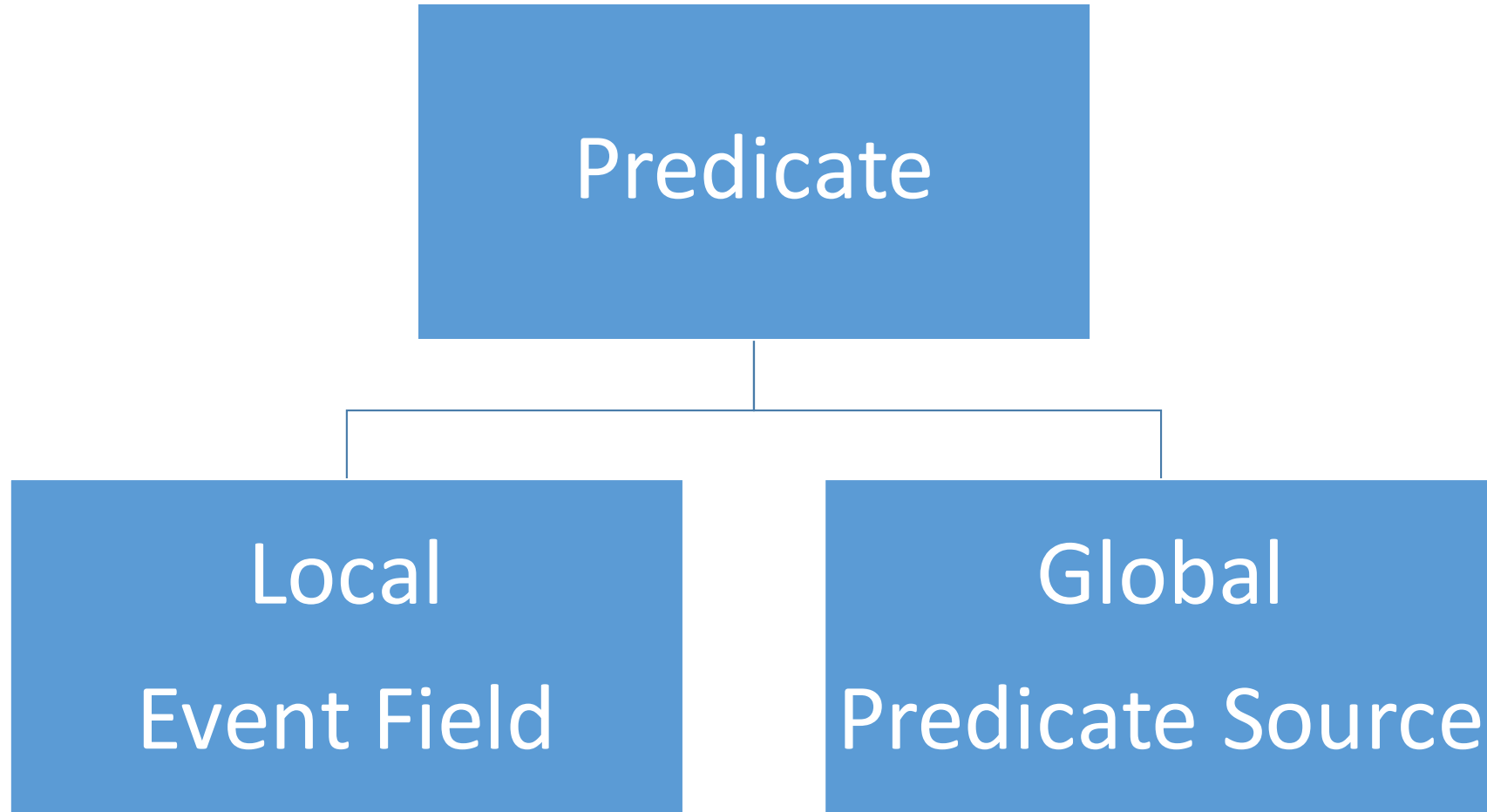


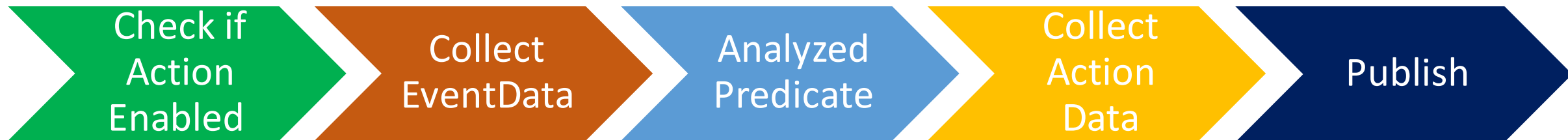
Erin Stellato @erinstellato 5d

Replying to @dan_clemens

In your predicate for the event, you need: AND
package0.counter <= 10
and you want that to be LAST in your predicate syntax. Then, XE will only capture the first 10 times the event files, based on it meeting ALL the other predicates first. More here: [blogs.msdn.microsoft.com/extended_event...](https://blogs.msdn.microsoft.com/extended_event/)

💬 1 ↻ ❤️ 3 ⋮

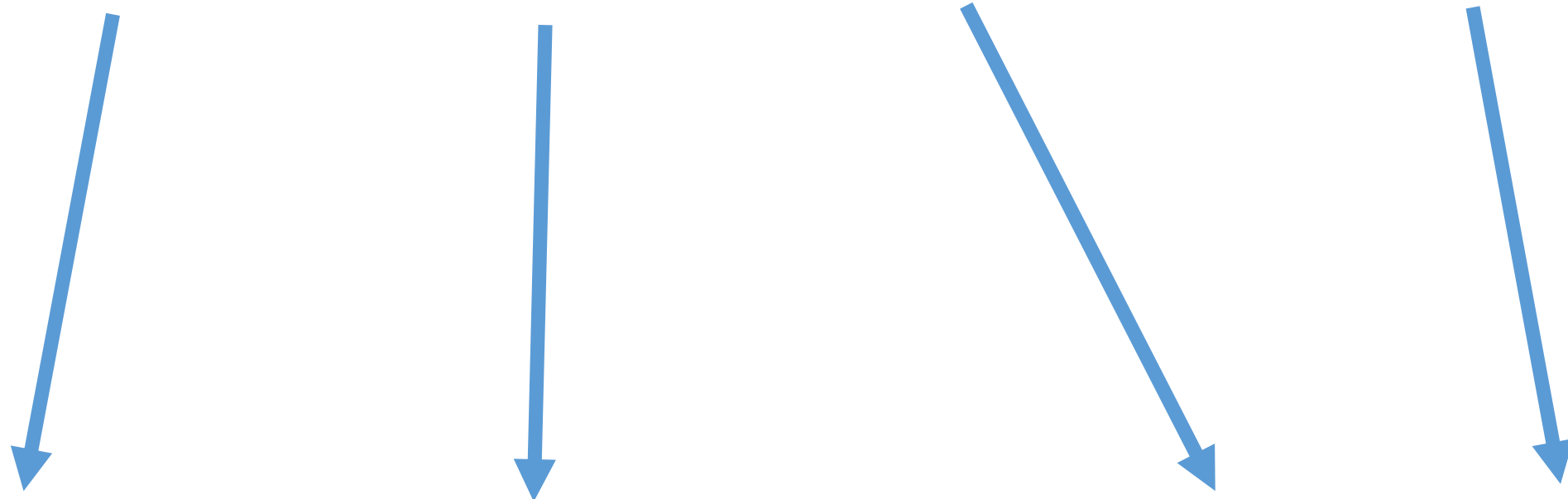




```
ADD EVENT sqlserver.sql_statement_completed(  
  ACTION(sqlserver.session_id,sqlserver.sql_text)  
  WHERE ([sqlserver].[sql_text] like '%This is the%'  
  AND [package0].[divides_by_uint64]([package0].[counter],(4))  
  AND [sqlserver].[session_id]=(54)))
```

Are these the two session_id
referring to same thing?

```
package_name.pred_compare(field/pred_source, value)
```



The diagram consists of four blue arrows pointing downwards from the top line of code to the bottom line. The first arrow points from 'package_name' to 'package0'. The second arrow points from 'pred_compare' to 'divides_by_uint64'. The third arrow points from 'field/pred_source' to 'package0.counter'. The fourth arrow points from 'value' to '4'.

```
package0.divides_by_uint64(package0.counter, 4)
```

	name	description	package
1	divides_by_uint64	Whether a uint64 divides another with no remainder	package0
2	equal_ansi_string	Equality operator between two ANSI string values	package0
3	equal_binary_data	Equality operator between two Binary values	package0
4	equal_boolean	Equality operator between two Boolean values	package0
5	equal_float64	Equality operator between two 64-bit double values	package0
6	equal_guid	Equality operator between two GUID values	package0
7	equal_i_ansi_string	Equality operator between two ANSI string values	package0
8	equal_i_sql_ansi_string	Equality operator between two SQL ANSI string values	sqlserver
9	equal_i_sql_unicode_string	Equality operator between two SQL UNICODE string ...	sqlserver
10	equal_i_unicode_string	Equality operator between two UNICODE string values	package0



Resource

- [Try a sample: Using the counter predicate for event sampling](#)
- [Today's Subject: Predicates](#)
- [Reading event data 101: What's up with the XML?](#)
- [Why I hate the ring_buffer target in Extended Events](#)

Work

- Microsoft MVP – Data Platform
- 13 years as DBA
- MCSE Data Management and Analytics

Outside Work

- Running—One 26.2 and Many 13.1
- Shuttling 3 kids

Giving Back

- Organizer @SqlSaturdayBoston and Co-organizer NESQL UG
- Frequent speaker local user groups, SQL Saturdays & Virtual groups
- Answering questions at #sqlhelp & dba.stackexchange
- Blog at sqlworldwide.com



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