X E

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
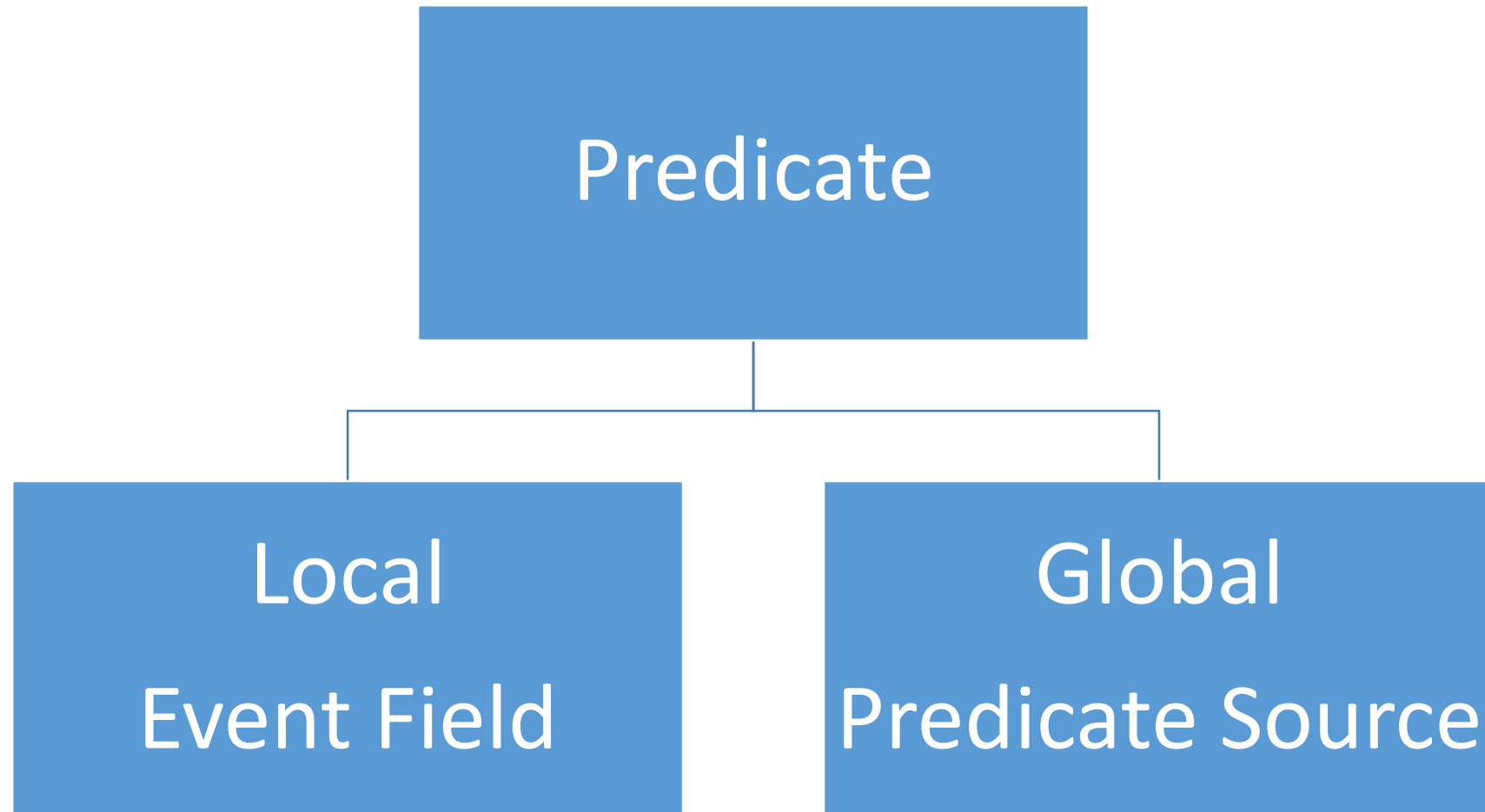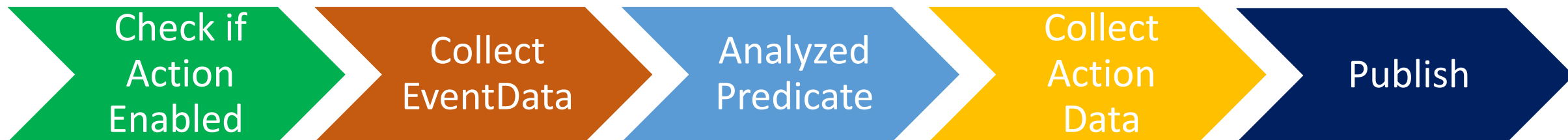
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Erin Stellato @erinstellato 5d
Replying to @dan_clemens
In your predicate for the event, you need: AND package0.counter <=10 and you want that to be LAST in your predicate syntax. Then, XE will only capture the first 10 times the event files, based on it meeting ALL the other predicates first. More here: blogs.msdn.microsoft.com/extended_event...

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```
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)))
```

Check if Action Enabled

Collect EventData

Analyzed Predicate

Collect Action Data

Publish

Are these the two session_id referring to same thing?

package_name.pred_compare(field/pred_source, value)

package0.divides_by_uint64(package0.counter,4)

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	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

- 13 years as DBA
- MCSE Data Management and Analytics
- 10 years in Merchant Marine

Outside Work

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

Giving Back

- Co-organizer NESQL User Group
- Frequent speaker local user groups, SQL Saturdays & Virtual groups
- Answering questions at #sqlhelp & dba.stackexchange
- Blog at sqlworldwide.com

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THANK YOU