

Identifying Changes On Customer Database

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Issue

There are several scenarios where it might be relevant to assess if there were any recent changes to customers databases that could justify pattern changes like increased resource consumption Below you can see how MonQueryProcessing table can help us to confirm it and check for possible relevant canges.

Investigation/Analysis

Executing the query below you can find changes on customer databases, e.g. creating / dropping objects, tables, columns, indexes, etc.

Kindly note that the object_id for the below example refers to the id of the underlying table, hence being the same accross the different operations.

Currently is possible to see the object_name but **don't share this information with customers**

```
let serverName = "*****";
let DatabaseName = "*****";
MonQueryProcessing
| where originalEventTimestamp between (datetime(2023-01-12 13:00:00) .. datetime(2023-01-12 16:00:00))
| where event == "metadata_change"
| where LogicalServerName == serverName and logical_database_name == DatabaseName
| project originalEventTimestamp,logical_database_name, event, operation_type, object_id,object_name
//| summarize count() by bin(originalEventTimestamp, 15m), logical_database_name,operation_type
```

originalEventTimestamp	logical_database_name	event	operation_type	object_id	object_name
2023-01-12 14:19:37	AdventureWorks_LT1	metadata_change	CreateObj	1515152443	TableA
2023-01-12 14:19:37	AdventureWorks_LT1	metadata_change	AltTable	1515152443	TableA
2023-01-12 14:19:37	AdventureWorks_LT1	metadata_change	AddColumns	1515152443	TableA
2023-01-12 14:19:37	AdventureWorks_LT1	metadata_change	CreateIndx	1515152443	
2023-01-12 14:19:47	AdventureWorks_LT1	metadata_change	AddColumns	1515152443	TableA
2023-01-12 14:19:53	AdventureWorks_LT1	metadata_change	CreateIndx	1515152443	IX_ClusteredIndex
2023-01-12 14:19:53	AdventureWorks_LT1	metadata_change	DropIndex	1515152443	
2023-01-12 14:20:11	AdventureWorks_LT1	metadata_change	DropColumn	1515152443	columnB
2023-01-12 14:20:32	AdventureWorks_LT1	metadata_change	CreateIndx	1515152443	
2023-01-12 14:20:32	AdventureWorks_LT1	metadata_change	DropIndex	1515152443	IX_ClusteredIndex

Mitigation

- Assess changes on relevant object(s) and the feasibility of reverting them / ataking corrective measures

Internal References

- [lcM 342243407](#) 

How good have you found this content?

