How to check operations logs

Last updated by | Charlene Wang | Mar 24, 2022 at 8:46 PM PDT

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How to check operations logs

Symptoms

This is a "How To" TSG that covers how to check for operation logs where customer dropped the database and tried to rename the other database with dropped name.

the to remaine the other database with dropped hame.
Getting error like below:
Here is the error:
=======================================
Jnable to rename Ambassadors. (ObjectExplorer)
Program Location:
at Microsoft.SqlServer.Management.UI.VSIntegration.ObjectExplorer.ExplorerHierarchyNode.Edit(String newName)
at Microsoft.SqlServer.Management.UI.VSIntegration.ObjectExplorer.LazyTreeView.OnAfterLabelEdit(NodeLabelEdit EventArgs e)
=======================================
Rename failed for Database 'Ambassadors1'. (Microsoft.SqlServer.Smo)
For help, click: http://go.microsoft.com/fwlink?ProdName=Microsoft+SQL+Server&ProdVer=13.0.14000.36+

0026)&EvtSrc=Microsoft.SqlServer.Management.Smo.ExceptionTemplates.FailedOperationExceptionText&EvtID

Program Location:

=Rename+Database&LinkId=20476

- at Microsoft.SqlServer.Management.Smo.NamedSmoObject.RenameImpl(String newName)
- at Microsoft.SqlServer.Management.Smo.Database.Rename(String newName)
- at Microsoft.SqlServer.Management.UI.VSIntegration.ObjectExplorer.SmoRenameHandler.OnRename(String oldName, String newName, Boolean afterSaveAs)
- at Microsoft.SqlServer.Management.UI.VSIntegration.ObjectExplorer.ExplorerHierarchyNode.Edit(String newName)

An exception occurred while executing a Transact-SQL statement or batch. (Microsoft.SqlServer.ConnectionInfo)

Program Location:

- at Microsoft.SqlServer.Management.Common.ServerConnection.ExecuteNonQuery(String sqlCommand, ExecutionTypes executionType)
- at Microsoft.SqlServer.Management.Common.ServerConnection.ExecuteNonQuery(StringCollection sqlCommands, ExecutionTypes executionType)
 - at Microsoft.SqlServer.Management.Smo.ExecutionManager.ExecuteNonQuery(StringCollection queries)
- at Microsoft.SqlServer.Management.Smo.SqlSmoObject.ExecuteNonQuery(StringCollection queries, Boolean includeDbContext, Boolean executeForAlter)
 - at Microsoft.SqlServer.Management.Smo.NamedSmoObject.ExecuteRenameQuery(String newName)
 - at Microsoft.SqlServer.Management.Smo.NamedSmoObject.RenameImplWorker(String newName)
 - at Microsoft.SqlServer.Management.Smo.NamedSmoObject.RenameImpl(String newName)

Database 'Ambassadors' already exists. Choose a different database name. (.Net SqlClient Data Provider)

Analysis and Mitigation

We can check in error logs if there is anything preventing and check in sys.databases with customer If we see an entry there, we can further check ops logs like below

https://sqlazurewus.kusto.windows.net:443/sqlazure1 [Run in Kusto.Explorer] [Run in Kusto.WebExplorer]

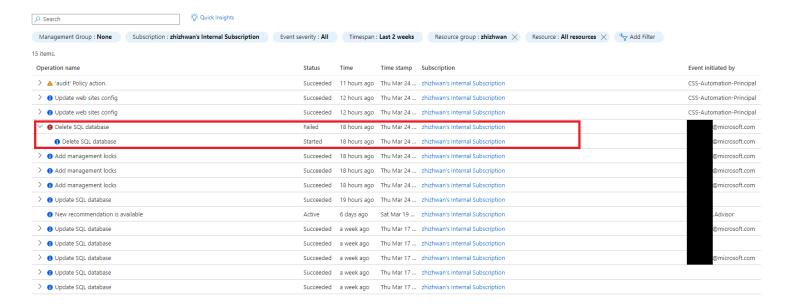
WASD2ProdMonManagement | where operation_parameters contains "s8xumdl3r7" and TIMESTAMP > ago(2d) | project originalEventTimestamp, request_id, event, operation_type , isTheName = operation_parameters contains "<DatabaseName>ambassadors</DatabaseName>", error_code, error_message| sort by originalEventTimestamp asc

originalEventTimestamp	request_id	event	operation_type
28 14:29:49.4518792	9B7CBF14- F8C8-448F- AC36- B38A7E67E10F	management_operation_start	DropLogicalDatab
28 14:29:50.7284933	9B7CBF14- F8C8-448F- AC36- B38A7E67E10F	management_operation_success	DropLogicalDatab
28 14:29:54.5302261	A099BB50- 65CB-4088- B187- 2B333D7679E2	management_operation_start	CreateLogicalData
28 14:29:56.0453459	F454073D- 9583-49FD- B08C- 929010212A34	management_operation_start	CreateLogicalData
28 14:29:56.2250959	F454073D- 9583-49FD- B08C- 929010212A34	management_operation_failure	CreateLogicalData
28 14:30:11.2068456	6B246328- AAB3-4780- 962B- FC06EC8EC804	management_operation_start	CreateLogicalData
28 14:30:11.3819648	6B246328- AAB3-4780- 962B- FC06EC8EC804	management_operation_failure	CreateLogicalData
28 14:30:30.4734922	89359D6A- EC1A-4BDB- B903- E5D094B505D0	management_operation_start	DropLogicalDatab
2016-06- 28 14:30:30.9697264		management_operation_interrupt	CreateLogicalData

We can see from above error that there is create attempt after every 4 seconds of drop. It could be someone in customer side creating create command for every drop or an app generating script. If customer do not agree on that, We can also redirect customers to check in operation logs like below to find IP address and verify who is generating in their team. If they have Auditing enabled, they can trace the information too.

Customer can check the operation details from Azure Activity Log. The user who did the operation is shown in "Event Initiated By" column. But if the operation is triggered through TSQL, this column could be empty. This is

a known limitation.



Classification

Root cause path - Service issue/Subscription

How good have you found this content?

