

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.

Getting error like below:

Here is the error:

=====

Unable 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(NodeLabelEditEventArgs 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+\(\(SSMS Rel\).160411-0026\)&EvtSrc=Microsoft.SqlServer.Management.Smo.ExceptionTemplates.FailedOperationExceptionText&EvtID=Rename+Database&LinkId=20476](http://go.microsoft.com/fwlink?ProdName=Microsoft+SQL+Server&ProdVer=13.0.14000.36+((SSMS Rel).160411-0026)&EvtSrc=Microsoft.SqlServer.Management.Smo.ExceptionTemplates.FailedOperationExceptionText&EvtID=Rename+Database&LinkId=20476)

Program Location:

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

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.

Search

Quick Insights

Management Group : None

Subscription : zhizhwan's Internal Subscription

Event severity : All

Timespan : Last 2 weeks

Resource group : zhizhwan

Resource : All resources

Add Filter

15 items.

Operation name	Status	Time	Time stamp	Subscription	Event initiated by
> ⚠️ 'audit' Policy action.	Succeeded	11 hours ago	Thu Mar 24 ...	zhizhwan's Internal Subscription	CSS-Automation-Principal
> ⓘ Update web sites config	Succeeded	12 hours ago	Thu Mar 24 ...	zhizhwan's Internal Subscription	CSS-Automation-Principal
> ⓘ Update web sites config	Succeeded	12 hours ago	Thu Mar 24 ...	zhizhwan's Internal Subscription	CSS-Automation-Principal
⌵ ⓘ Delete SQL database	Failed	18 hours ago	Thu Mar 24 ...	zhizhwan's Internal Subscription	@microsoft.com
ⓘ Delete SQL database	Started	18 hours ago	Thu Mar 24 ...	zhizhwan's Internal Subscription	@microsoft.com
> ⓘ Add management locks	Succeeded	18 hours ago	Thu Mar 24 ...	zhizhwan's Internal Subscription	@microsoft.com
> ⓘ Add management locks	Succeeded	18 hours ago	Thu Mar 24 ...	zhizhwan's Internal Subscription	@microsoft.com
> ⓘ Add management locks	Succeeded	18 hours ago	Thu Mar 24 ...	zhizhwan's Internal Subscription	@microsoft.com
> ⓘ Update SQL database	Succeeded	19 hours ago	Thu Mar 24 ...	zhizhwan's Internal Subscription	@microsoft.com
ⓘ New recommendation is available	Active	6 days ago	Sat Mar 19 ...	zhizhwan's Internal Subscription	.Advisor
> ⓘ Update SQL database	Succeeded	a week ago	Thu Mar 17 ...	zhizhwan's Internal Subscription	@microsoft.com
> ⓘ Update SQL database	Succeeded	a week ago	Thu Mar 17 ...	zhizhwan's Internal Subscription	@microsoft.com
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Classification

Root cause path - Service issue/Subscription

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