

DMS_troubleshoot_workflow

Last updated by | Shawn Xiao | Dec 31, 2020 at 11:16 PM PST

1. Get DMS service info. This can be either got from below query in KUSTO or in ASC

```
cluster('azuredms.kusto.windows.net').database('telemetry').
GetServiceByName('@'DMS Service name')
```

The WorkerId returned will be the value of *RoleInstance* used in KUSTO queries. Sample return is

```
57 cluster('azuredms.kusto.windows.net').database('telemetry').
58 GetServiceByName('@'Numberz2')
```

CreatedDate	Environment	DeploymentUnit	SubscriptionId	ResourceGroup	ServiceName	WorkerId	Skuname
2020-11-20 05:58:06.1002928	Prod	ProdDmsRp1SEAsia	e1cf3c2c-39fe-4187-8f64-a95ab40e1cb1	DMS-RG	Numberz2	veg4w9apwprjc9f278dq4rfq	Premium_4vCores

2. Get Detailed migrating activities log

```
cluster('azuredms.kusto.windows.net').database('telemetry').
PGOnlineMigration
| where RoleInstance =~ "veg4w9apwprjc9f278dq4rfq"
| project TIMESTAMP,SourceServerName, SourceServerVersion, TargetServerName,EventMessage, TaskName
| order by TIMESTAMP desc
```

Sample return is

TIMESTAMP	DatabaseName	TaskName	EventMessage
2020-11-20 20:08:59.2618190	/kx9UkzRKiq9lb1E9yksHODRFwOuschiwAKm+LYIdo=	OutOfOrderLsnInBatch	Found unordered Lsn in the batch. BatchEntry: 'Batch Sequence: 16, WalStart: 564/68986990, WalEnd: 564/68986990, SQL: INSERT INTO public."Comments" <html xmlns="http://www.w3.org/1999/xhtml"> <head> <meta http-equiv="content-type" content="text/html; charset=utf-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0;"> <meta name="format-detection" content="telephone=no" /> <style> body {
2020-11-20 20:08:59.2614441	/kx9UkzRKiq9lb1E9yksHODRFwOuschiwAKm+LYIdo=	OutOfOrderLsnInBatch	Found unordered Lsn in the batch. BatchEntry: 'Batch Sequence: 15, WalStart: 564/68985988, WalEnd: 564/68985988, SQL: BEGIN'
2020-11-20 20:08:59.2613037	/kx9UkzRKiq9lb1E9yksHODRFwOuschiwAKm+LYIdo=	OutOfOrderLsnInBatch	Found unordered Lsn in the batch. BatchEntry: 'Batch Sequence: 14, WalStart: 564/68985988, WalEnd: 564/68985988, SQL: COMMIT'
2020-11-20 20:08:59.2611126	/kx9UkzRKiq9lb1E9yksHODRFwOuschiwAKm+LYIdo=	OutOfOrderLsnInBatch	Found unordered Lsn in the batch. BatchEntry: 'Batch Sequence: 13, WalStart: 564/68983920, WalEnd: 564/68983920, SQL: INSERT INTO public."Comments" <html xmlns="http://www.w3.org/1999/xhtml"> <head> <meta http-equiv="content-type" content="text/html; charset=utf-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0;"> <meta name="format-detection" content="telephone=no" /> <style> body {
2020-11-20 20:08:59.2608484	/kx9UkzRKiq9lb1E9yksHODRFwOuschiwAKm+LYIdo=	OutOfOrderLsnInBatch	Found unordered Lsn in the batch. BatchEntry: 'Batch Sequence: 12, WalStart: 564/68982810, WalEnd: 564/68982810, SQL: BEGIN'
2020-11-20 20:08:59.2606589	/kx9UkzRKiq9lb1E9yksHODRFwOuschiwAKm+LYIdo=	OutOfOrderLsnInBatch	Found unordered Lsn in the batch. BatchEntry: 'Batch Sequence: 11, WalStart: 564/68982810, WalEnd: 564/68982810, SQL: COMMIT'
2020-11-20 20:08:59.2605126	/kx9UkzRKiq9lb1E9yksHODRFwOuschiwAKm+LYIdo=	OutOfOrderLsnInBatch	Found unordered Lsn in the batch. BatchEntry: 'Batch Sequence: 10, WalStart: 564/68981200, WalEnd: 564/68981200, SQL: INSERT INTO public."Threads" (
2020-11-20 20:08:59.2602310	/kx9UkzRKiq9lb1E9yksHODRFwOuschiwAKm+LYIdo=	OutOfOrderLsnInBatch	Found unordered Lsn in the batch. BatchEntry: 'Batch Sequence: 9, WalStart: 564/68981200, WalEnd: 564/68981200, SQL: BEGIN'
2020-11-20 20:08:59.2600798	/kx9UkzRKiq9lb1E9yksHODRFwOuschiwAKm+LYIdo=	OutOfOrderLsnInBatch	Found unordered Lsn in the batch. BatchEntry: 'Batch Sequence: 8, WalStart: 564/68981200, WalEnd: 564/68981200, SQL: COMMIT'
2020-11-20 20:08:59.2599162	/kx9UkzRKiq9lb1E9yksHODRFwOuschiwAKm+LYIdo=	OutOfOrderLsnInBatch	Found unordered Lsn in the batch. BatchEntry: 'Batch Sequence: 7, WalStart: 564/6897E2B0, WalEnd: 564/6897E2B0, SQL: INSERT INTO public."Threads" (id
2020-11-20 20:08:59.2596600	/kx9UkzRKiq9lb1E9yksHODRFwOuschiwAKm+LYIdo=	OutOfOrderLsnInBatch	Found unordered Lsn in the batch. BatchEntry: 'Batch Sequence: 6, WalStart: 564/6897E2B0, WalEnd: 564/6897E2B0, SQL: BEGIN'
2020-11-20 20:08:59.2594773	/kx9UkzRKiq9lb1E9yksHODRFwOuschiwAKm+LYIdo=	OutOfOrderLsnInBatch	Found unordered Lsn in the batch. BatchEntry: 'Batch Sequence: 5, WalStart: 564/6897E2B0, WalEnd: 564/6897E2B0, SQL: COMMIT'

3. Get task errors if any

```
cluster('azuredmsseasia.southeastasia.kusto.windows.net').database('telemetry').
ScenarioErrorEvents
| where RoleInstance =~ "veg4w9apwprjc9f278dq4rfq"
```

4. Get exceptions thrown if any

```
GetRegionSpecificTable('TraceEvent')
| where env_cloud_roleInstance == "veg4w9apwprjc9f278dq4rfq"
//and env_time > ago(1h)
and message !contains "net.tcp://localhost:"
and message !contains "Invalid Operation: Fail to set default dimensions"
| project env_time, message
| order by env_time desc
```

Sample return is

env_time	message
2020-11-20 11:18:03.9920000	"Exception thrown: Type:CommunicationObjectFaultedException, Error Code:0x80131501, Exception Error Id:1237682629003450710, Source:System.Runtime.Remoting.Proxies.RealProxy.HandleReturnMessage, StackTrace:Exception type: System.ServiceModel.CommunicationObjectFaultedException Message: The communication object, System.ServiceModel.Channels.ServiceChannel, cannot be used for communication because it is in the Faulted state. HResult : 0x80131501 FacilityCode : 19 (013) ErrorCode : 5377 (1501) Stack: "
2020-11-20 10:43:24.9450000	"Exception thrown: Type:SocketException, Error Code:0x80004005, Exception Error Id:12402857091750948837, Source:Npgsql.NpgsqlConnector.Connect, StackTrace:Exception type: Microsoft.Migration.Queries.Contracts.ConnectionFailedException Message: Connection failed. HResult : 0x86890001 FacilityCode : 1721 (6b9) ErrorCode : 1 (0001) Data: Microsoft.SqlServer.Fundamentals.Operations.Infrastructure.Contracts.ErrorFailureCategory = SettingValidationFailure "
2020-11-20 10:43:24.9300000	"Exception thrown: Type:SocketException, Error Code:0x80004005, Exception Error Id:475155492090127701, Source:Npgsql.NpgsqlConnector.Connect, StackTrace:Exception type: System.AggregateException Message: One or more errors occurred. HResult : 0x80131500 FacilityCode : 19 (013) ErrorCode : 5376 (1500) Inner exception type: Microsoft.Migration.Queries.Contracts.ConnectionFailedException Message: "