Troubleshoot Single2Flex migration

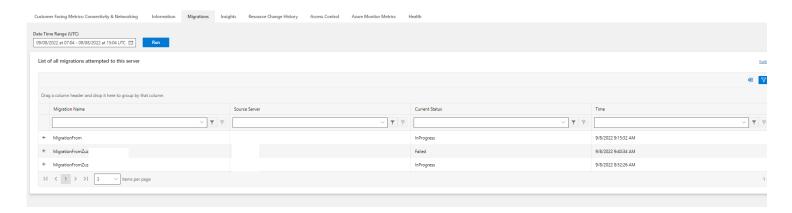
Last updated by | Bruno Maia | Apr 4, 2023 at 7:00 AM PDT

How to troubleshoot PostgreSQL Single2Flex migration

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ASC

First step is to go to ASC and check in migration tab.

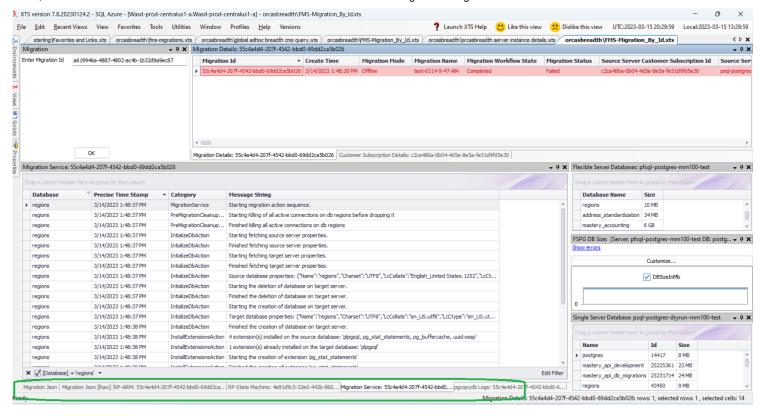


Get the migration name and open the view orcasbreadth-adhoccmsquery.xts

XTS

XTS View: orcasbreadth\FMS-Migration_By_Id.xts

Input the migration ID as shown below in the view FMS-Migration_By_Id.xts

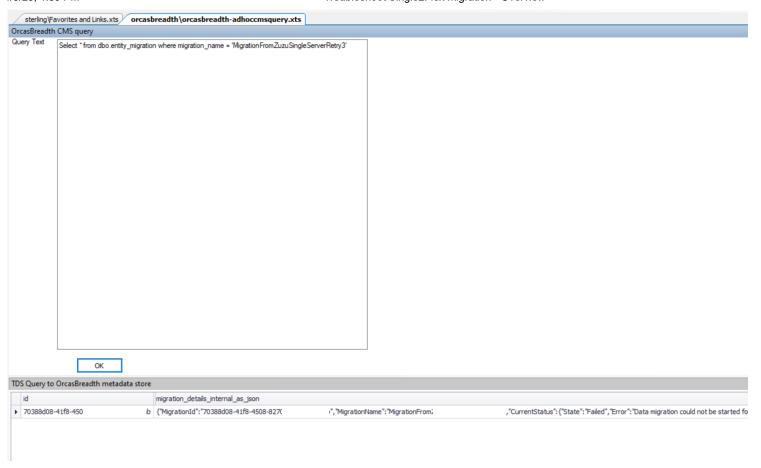


check the tabs

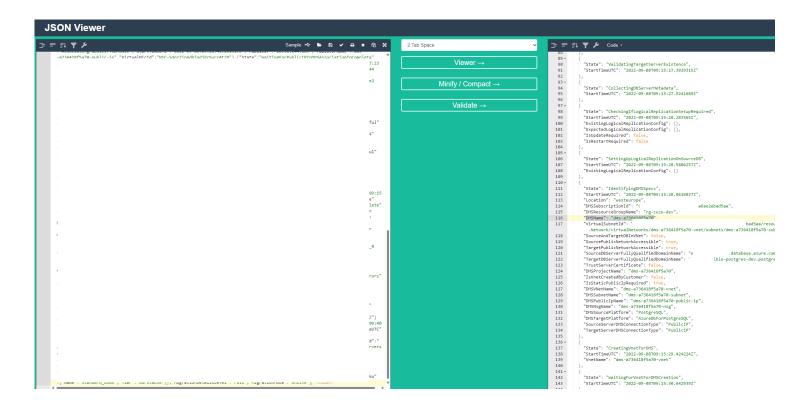
- a) Migration Json
- b) Migration Json (Raw)
- c) RP-ARM < MigrationID>
- d) RP-StateMachine
- e) Migration Service: <MigrationID>

Run any of the below queries:

- Select * from dbo.entity_migration where migration_name like '%migrationname%'
- Select * from dbo.entity_migration where target_server_name='Flexibleservername'



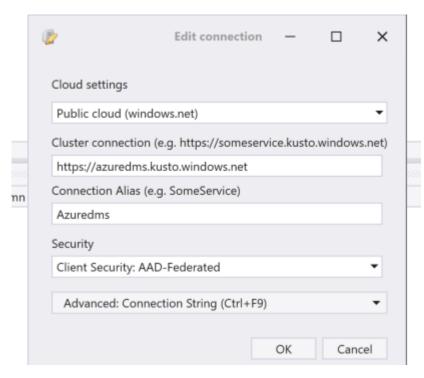
Retrieve the JSON and use a tool that supports JSON format.



#Get the DMSname.

#Go to kusto and open AzureDMS connection

Kusto



Run:

GetServiceByNameOrWorkerId("%dms name%")

If that doesn't work try:

GetServiceByName("%dms name%")

GetServiceByNameOrWorkerId("dms-a736418f5a70")

WorkerId	CreatedDate	Environment	DeploymentUnit	SubscriptionId	ResourceGroup	ServiceName	SkuN
5dnr7ip6dbjqdjdc5urr4t28	2022-09-08 09:15:37.5828140	Prod	ProdDmsRp1WEu	#####-55fd- 41d4-b943- a6ae2ebad5aa	####-dev	dms- a736418f5a70	Prem
4							•

From the results get the worker id and use on the following query:

GetScenariosRunOnAgent(ago(10d), "%workerid from above query%")

GetScenariosRunOnAgent(ago(10d), "5dnr7ip6dbjqdjdc5urr4t28")

StartTime	Duration	TaskId	Messageld	Scenariold
2022-09-08 09:27:32.4760175	00:00:12.3088860	d247f43e- ab11-47fe- ba19- 855e89bc4d4a	6784cce102e642d8945e620ed200788b	ConnectToSource.PostgreSql.Sync
2022-09-08 09:27:47.7399613	00:00:01.3815302	a6655b78- 5575-4f3d- 8944- 35b67f06326f	375fbabb78f24da8a59a35ec4731be9f	ConnectToTarget.AzureDbForPostgreSql.S
2022-09-08 09:27:51.1206207		cd874608- 4d67-4037- ab5b- 74c268f0d2d0	88f294a1d8d247b69e953bb4d8c78990	Migrate.PostgreSql.AzureDbForPostgreSq

From this you get the scenario task ID use the task id in below query

Scenario 1:

GetE2EPGV2MigrationEvents("%task id from above query%")

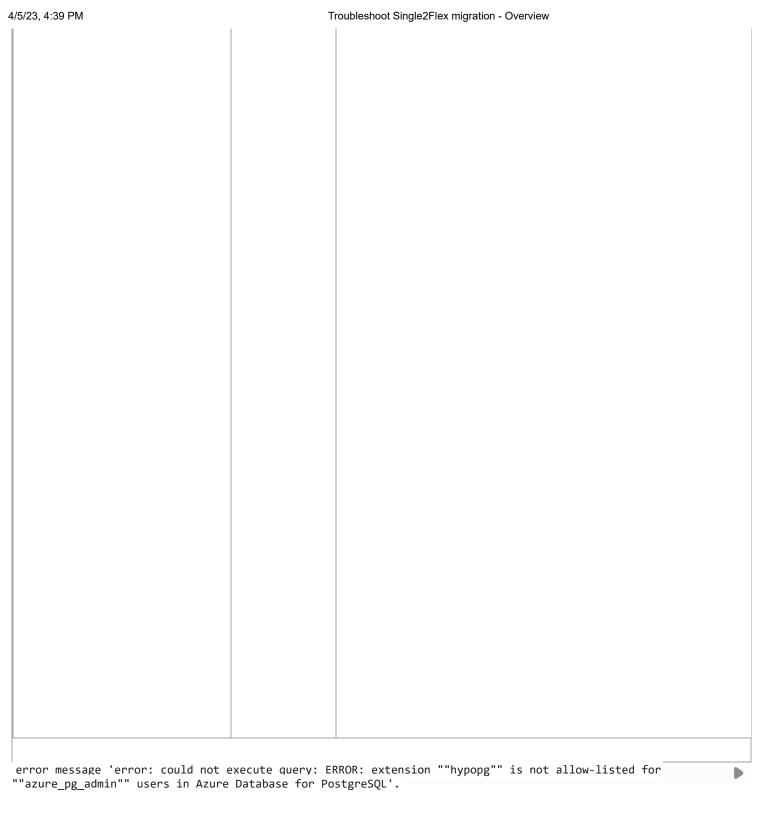
GetE2EPGV2MigrationEvents("cd874608-4d67-4037-ab5b-74c268f0d2d0") Results

StartTimeWindow	EndTimeWindow	ScenarioTaskId	DatabaseName	Level	# Faults	# Msg Errors
2022-09-08 09:27:22.1882042	2022-09-13 11:21:40.9287499	cd874608- 4d67-4037- ab5b- 74c268f0d2d0	dl6VsyPPk0goeLzFdg/VxDJ1X1JRmBX3UuxBE6tg+Rl=		0	1
2022-09-08 09:27:22.1882042	2022-09-13 11:21:40.9287499	cd874608- 4d67-4037- ab5b- 74c268f0d2d0	j8H42tE9BEfRvlOXk41zL0A16YuLpuMhx6qO2Llu7Ng=		0	1

Scenario Faults

Click on Message Errors tab in the output window to see the exact error

Messageld	ResExcTimestamp	MessageErrors
Messageld 88f294a1d8d247b69e953bb4d8c78990	ResExcTimestamp 2022-09-08 09:28:04.6150102	PGv2RestoreErrorException at Microsoft.DataMigration.PostgreSql.Commands.PostgreSqlRestore. <restore>d_1.MoveNext -> (DumpRestoreAggregateException[0x87EF0011] at Microsoft.DataMigration.PostgreSql.Commands.ProcessExecutor.ErrorHandli</restore>



In this case the user did not allowed all the extensions.

Scenario 2

If it fails during WaitingForDataMigrationDMSTaskToComplete you can also use the following query to check

the dump and restore logs:

```
GetPGOnlineMigrationLogEvents
| where ScenarioTaskId =='cd874608-4d67-4037-ab5b-74c268f0d2d0'
|project PreciseTimeStamp,Message
|sort by PreciseTimeStamp asc
```

This query runs on regional DMS clusters, check clusters bellow:

```
PreciseTimeStamp
                        Message
2022-09-08 09:28:04.0506235
                                pg restore: finished item 4522 SEQUENCE SET RideType code seq
2022-09-08 09:28:04.0507079
                                pg restore: launching item 4524 SEQUENCE SET Route routeId seq
                                pg restore: finished item 4521 SEQUENCE SET RelatedRide id seq
2022-09-08 09:28:04.0508374
2022-09-08 09:28:04.0509313
                                pg restore: executing SEQUENCE SET Route routeId seq
2022-09-08 09:28:04.0510296
                                launching item 4525 SEQUENCE SET Train_id_seq
                                pg_restore: finished item 4520 SEQUENCE SET PublicTransportOperator_code_seq
2022-09-08 09:28:04.0511125
                                pg_restore: executing SEQUENCE SET Train_id_seq
2022-09-08 09:28:04.0511933
                                pg_restore: finished item 4523 SEQUENCE SET Ride_id_seq
2022-09-08 09:28:04.0529931
2022-09-08 09:28:04.0563031
                                pg_restore: finished item 4525 SEQUENCE SET Train_id_seq
2022-09-08 09:28:04.0564222
                                pg restore: finished item 4524 SEQUENCE SET Route routeId seq
                                pg restore: finished item 4303 CONSTRAINT BusStation PK a977e5c26e00f07e0ac51f
2022-09-08 09:28:04.0988798
2022-09-08 09:28:04.0990795
                                pg restore: finished main parallel loop
2022-09-08 09:28:04.1601250
                                pg restore: warning: errors ignored on restore: 3
```

Regional DMS Clusters:

https://azuredmswus2.westus2.kusto.windows.net 🗷

https://azuredmsukw.ukwest.kusto.windows.net

https://azuredmsuks.uksouth.kusto.windows.net

https://azuredmsscus.southcentralus.kusto.windows.net

https://azuredmscind.centralindia.kusto.windows.net

https://azuredmscane.canadaeast.kusto.windows.net

https://azuredmsbrazilsouth.brazilsouth.kusto.windows.net

https://azuredmsaue.australiaeast.kusto.windows.net:443 🖸

https://azuredmsjapane.japaneast.kusto.windows.net:443

https://azuredmsjapanw.japanwest.kusto.windows.net:443

https://azuredmsseasia.southeastasia.kusto.windows.net:443 🖸

https://azuredmseus2.kusto.windows.net ☐ (For EastUS2 and EastUS2EUAP)

https://azuredmsause.kusto.windows.net

https://azuredmswus.kusto.windows.net [2] (For WestUS and WestCentralUS)

https://azuredmscanc.kusto.windows.net

https://azuredmscus.kusto.windows.net

https://azuredmseasia.kusto.windows.net

https://azuredmseus.kusto.windows.net 🗅

https://azuredmsncus.kusto.windows.net

https://azuredmsneu.kusto.windows.net

https://azuredmssind.kusto.windows.net 🗅

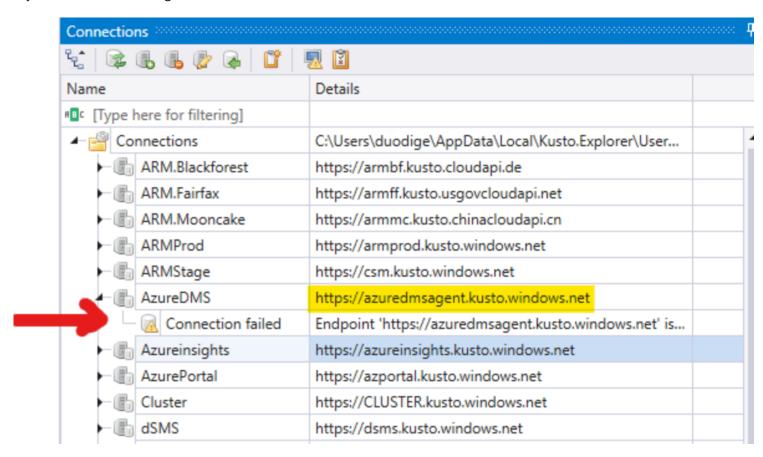
https://azuredmswind.kusto.windows.net 🗅

https://azuredmskoreac.kusto.windows.net

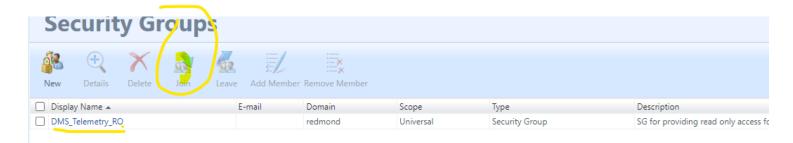
<u>https://azuredmskoreas.kusto.windows.net</u> ☑ <u>https://AzureDmsFranceC.kusto.windows.net</u> ☑ (France Central)

Issues with AzureDMS conntectivity

If you face the following error in Kusto:



You will need to request access to DMS_Telemetry_RO security group in Microsoft Identity manager 2



Scenario 3:

In some cases, if you did not get any result from GetServiceByNameOrWorkerId("%dms name%") or GetServiceByName("%dms name%"), most probably the migration did not start and there was a failure at DMS creation (creation did not start), to track if there is any issue at DMS creation you can follow the below:

let starttime = datetime(xxxx-xx-xx xx:xx:xx);

exception

Microsoft.WindowsAzure.ResourceStack.Common.Core.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorResponses.ErrorR

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