Import or Export - Export Fails on blob Storage

Last updated by | Keith Elmore | Apr 5, 2021 at 7:56 AM PDT

Contents

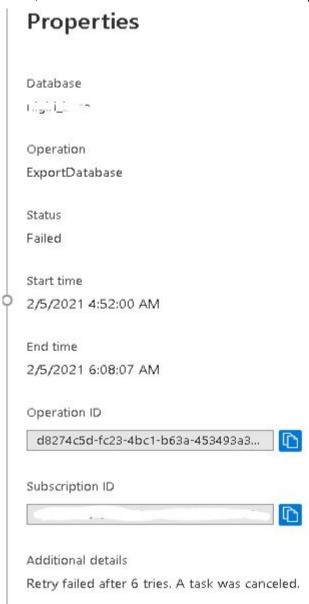
- Issue
- Investigation/Analysis
- Mitigation
- RCA Template (optional)
- Root Cause Classification

Issue

An attempt has been made to export a database using the Import/Export the export may fail if there is a transient failure on the blob storage which the bacpac file is being written.

An example of what the customer may see is as follows

'Retry failed after 6 tries. A task was canceled.'



Investigation/Analysis

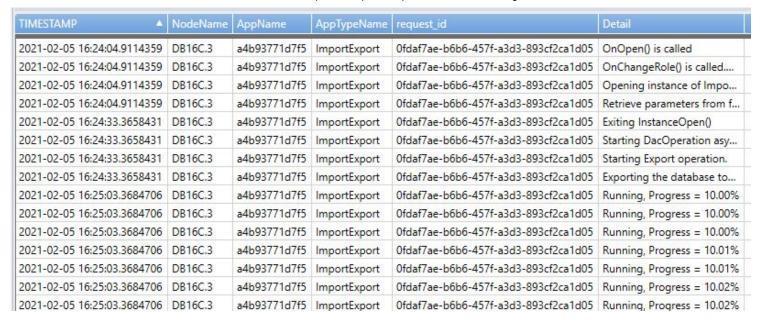
The issue can be seen from the usual MonMonManagement and MonImportExport tables in Kusto.

Once you have the request_id you can look into the MonImportExport table, at the top of the output you will see the export starting and progressing.

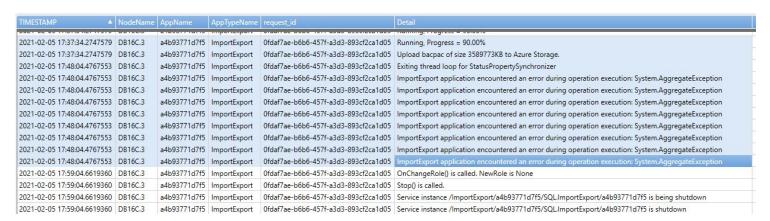
MonImportExport

| where request_id = ~ "0fdaf7ae-b6b6-457f-a3d3-893cf2ca1d05" | project TIMESTAMP,NodeName,AppName,AppTypeName, request_id ,logical_server_name,LogicalDatabaseName,Detail

(note Server/database columns removed)



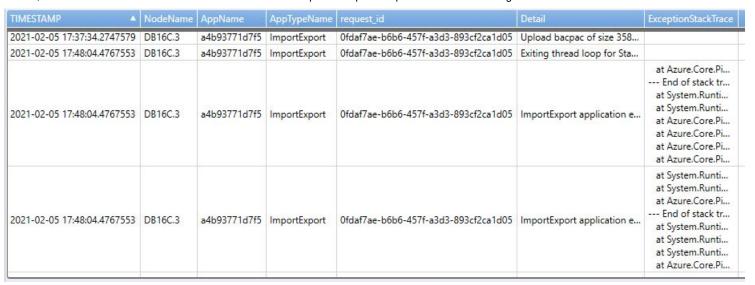
At the end of the output before the tidy up section you will see something like this.



You can see here there appears top be some retry attempts occuring, to getsome more detail we need the ExceptionStackTrace information

MonImportExport

| where request_id = ~ "0fdaf7ae-b6b6-457f-a3d3-893cf2ca1d05" | project TIMESTAMP,NodeName,AppName,AppTypeName, request_id ,logical_server_name,LogicalDatabaseName,Detail,ExceptionStackTrace



The exception stack can be copied out of Kusto and pasted into an editor (notepad) which makes it easier to read.



- --- End of stack trace from previous location where exception was thrown ---
- at System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw()
- $at\ System. Runtime. Compiler Services. Task Awaiter. Handle Non Success And Debugger Notification (Task\ task)$
- at Azure.Core.Pipeline.TaskExtensions.EnsureCompleted[T](Task 1 task) at

Azure.Storage.Blobs.BlobClient.Upload(Stream content, BlobHttpHeaders httpHeaders, IDictionary 2 metadata, BlobRequestConditions conditions, IProgress 1 progressHandler, Nullable 1 accessTier, StorageTransferOptions transferOptions, CancellationToken cancellationToken)

at Azure.Storage.Blobs.BlobClient.Upload(Stream content, Boolean overwrite, CancellationToken cancellationToken)

at Microsoft.Xdb.ImportExport.Operations.ExportOperation.ExecuteImpl(CancellationToken cancellationToken) in

at Microsoft.Xdb.ImportExport.Operations.DacOperation.Execute(CancellationToken cancellationToken) in d:\dbs\sh\w3sc\0121_030801\cmd\k\Sql\xdb\manifest\svc\ImportExport\Operations\DacOperation.cs:line 119 at Microsoft.Xdb.ImportExport.ImportExportService.RunDacOperation() in d:\dbs\sh\w3sc\0121_030801\cmd\k\Sql\xdb\manifest\svc\ImportExport\ImportExportService.cs:line 274

Mitigation

If the export has failed retrying may be successful, alternativly using sqlpackage.exe and exporting to a local storage can be used as a workaround.

RCA Template (optional)

For recurring [by design] issues where there is an RCA template for the engineer to customize with timestamps and server details, provide that here.

Root Cause Classification

Cases resolved by this TSG should be coded to the following root cause:

Root Cause: Azure SQL v3\Import/Export\Import issues\Import failed

How good have you found this content?



