

Dynamics_Net_Core

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

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Issue

Importing a bacpac that was generated by Dynamics (LCS Tool) you could receive the following error message using SQL Package or SQL Server Management Studio. Could not load package from 'C:.....bacpac'. (Microsoft.SqlServer.Dac) File contains corrupted data. (Microsoft.Data.Tools.Schema.Sql)

Investigation/Analysis

Using Process Monitor when SQLPackage is importing the data, I saw that the error occurred at the moment that SQL Package is reading the offset 4 GB of the file. This issue occurred only when the bacpac has more than 4 GB. Analyzing this situation with our Azure Product Team they reported that this is expected behavior -- The same version of SqlPackage should be used for both export and import. -- The reason for this error is because for large files (uncompressed over 4GB), .NET core encodes a zip header that full framework cannot read. -- This was fixed in .NET core 3.1 but SqlPackage isn't using that yet.

Mitigation

Download [SQLPackage .NET Core version](#)  And import the file using this version.

Azure Product Team reported that they're actually in the process of releasing DacFx 18.6 which will use .NET 3.1, but, they don't have an ETA but they expect we will be done soon.

Root Cause Classification

Cases resolved by this TSG should be coded to the following root cause: Azure SQL DB
v2\Import/Export\Service Issue\ImportFail

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