

[CDM] - Unable to read data (csv) files

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Scenario

Customer was using Inline Dataset as Common Data Model with manifest as source input. He had given entry manifest file, root path and entity name, path as well. Inside manifest have dataPartitions with **csv** file location. Entity schema and csv schema identical.

All validations were successful. However, in dataPreview only schema getting loaded not the data. Customer was not able to see any data.

dataflowCDM

Save Validate Debug Settings

adls Columns: 16 total

sink1 Export data to AzureSqlDb_CDM_Target

Add Source

Source settings Source options Projection Optimize Inspect Data preview Description

Number of rows INSERT N/A UPDATE N/A DELETE N/A UPSERT N/A LOOKUP N/A TOTAL N/A

Refresh Typecast Modify Map drifted Statistics Remove

BusinessPartnerId	SiteId	SiteCode	Name	Type
abc	abc	abc	abc	abc

No output data.


Resolution

Customer's CDM folder is not separated into logical and physical models. They only had physical models in their CDM folder. Here is some documentation describing the difference:

<https://docs.microsoft.com/en-us/common-data-model/sdk/logical-definitions>

<https://docs.microsoft.com/en-us/common-data-model/sdk/convert-logical-entities-resolved-entities>


For data flows using CDM as a source, we are expecting the user to point to a logical model as their entity reference, and also to point to the manifest which describes the location of the physical (resolved entities) as well as the data partition locations.

The customer can see some samples of logical entity definitions within the public CDM github repository: <https://github.com/microsoft/CDM/tree/master/schemaDocuments> 

A good starting point to forming their corpus is to copy the files within the schemaDocuments folder (just that level inside the github repo), and throw those into a folder. From there, they can use one of the predefined logical entities within the repository as a starting/reference point to create their logical model.

Once the corpus is set up, we would recommend using CDM as a sink within data flow so that we can properly create a well-formed CDM folder. You can use your CSV dataset as a source and then sink it to your CDM model that you created.

Additional Information:

- **Icm References:** [Icm Link](#) 
- **Author:** vimals
- **Reviewer:** vimals
- **Keywords:**

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