

[DB2] Character data type from Db2 is not being rendered properly

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Issue

Customer is trying to copy data from DB2 and columns with character data type from Db2 is not being rendered properly.

Source data Sample:

	123 COMNO	123 CUSNO	ABC BKORD	ABC BKPSC	123 CRLAM	123 SHLED	ABC INLFO	ABC PBOQT	ABC PITTX	ABC CUSNM	ABC BFHUST	ABC BFFJST
1	1	101	1	1	0	0 0	1	0		DR ROSS HALL	1	0
2	1	199	1	1	0	0 0	1	0		DR ROSS HALL	1	0
3	1	201	1	1	0	0 0	1	0		SOLVA INTEROX	1	0
4	1	299	1	1	0	0 0	1	0		SOLVA INTEROX	1	0
5	1	301	1	1	0	0 0	1	0		ANARI	1	0
6	1	399	1	1	0	0 0	1	0		ANARI	1	0

When we checked the pipeline configuration and found that the issue is happening for DB2 data types byte[] in ADF pipeline. For example,

```
"source": {
  "name": "BKORD",
  "type": "Byte[]"
},
"sink": {
  "name": "BKORD",
  "type": "Byte[]"
}
```

When we checked the schema, there were no source columns with "Byte[]" datatype. In fact, they are of "CHARACTER" datatype at the source. But, ADF is interpreting them as Byte[]. It is happening for all the columns that are of type CHARACTER and having the character set IBM65535.

ABC TABLE_SCHEMA	ABC TABLE_NAME	ABC COLUMN_NAME	ABC DATA_TYPE	ABC CHARACTER_SET_NAME
ADMBI	MBBFREP	CUSNO	NUMERIC	[NULL]
ADMBI	MBBFREP	BKORD	CHARACTER	IBM65535
ADMBI	MBBFREP	COMNO	NUMERIC	[NULL]
ADMBI	MBBFREP	BKPSC	CHARACTER	IBM65535
ADMBI	MBBFREP	CRLAM	DECIMAL	[NULL]
ADMBI	MBBFREP	SHLED	DECIMAL	[NULL]
ADMBI	MBBFREP	INLFO	CHARACTER	IBM65535
ADMBI	MBBFREP	PBOQT	CHARACTER	IBM65535
ADMBI	MBBFREP	PITTX	CHARACTER	IBM65535
ADMBI	MBBFREP	CUSNM	CHARACTER	IBM65535
ADMBI	MBBFREP	BFHUST	CHARACTER	IBM65535
ADMBI	MBBFREP	BFFJST	CHARACTER	IBM65535
ADMBI	MBBFREP	BFA9DT	DECIMAL	[NULL]

Resolution

Add "Process Binary as Character=True" to the connection string to convert binary data to text resolved the issue.

<https://docs.microsoft.com/en-us/host-integration-server/db2oledbv/code-page-conversions#process-binary-as-character>

Additional Information:

- Icm References: [Icm Link](#)

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