CreateOriginalUnscaledValue Exception Arithmetic Overflow

Last updated by | Veena Pachauri | Mar 8, 2023 at 11:22 PM PST

202037- Microsoft.DataTransfer.DataTypes.ParquetBigDecimal.CreateOriginalUnscaledValue Exception Arithmetic Overflow

Monday, October 14, 2019
11:18 AM

SME	

Symptoms	When copying Parquet files, you see error message like this:
	
	 at Microsoft.DataTransfer.TransferTask.CopyTaskBase.Execute(),''Type=System.OverflowException Overflow.,Source=Microsoft.DataTransfer.Common,StackTrace= at Microsoft.DataTransfer.DataTypes.ParquetBigDecimal.CreateOriginalUnscaledValue(BigInteger scale, Int32 targetPrecision, Int32 targetScale)
	   at Microsoft.DataTransfer.DataTypes.ParquetBigDecimal.CreateOriginalUnscaledValue(Decim targetPrecision, Int32 targetScale)
	   at Microsoft.DataTransfer.ClientLibrary.ParquetFormatSerializer.c__DisplayClass33_0.:Create value, IParquetBatchWriter batch)
	   at Microsoft.DataTransfer.ClientLibrary.ParquetFormatSerializer.CommitRows(IParquetBatch'
	   at Microsoft.DataTransfer.ClientLibrary.ParquetFormatSerializer.SerializeData(),'
	Job ID: 90677eb1-8db0-4931-a35b-271f8fe87e8b
	Log ID: Error

Cause	We had limited support on decimal when copying from Oracle to parquet. We only support de 38 and length of integer part <= 20 . In customer's case, column ATTACHMENTID is Number(28) which may exceed the maximum le For example 12345678901234567890012345678 is a Number(28) with integer part length 28. We have already put this limitation in our backlog and will work on it in the future.
Resolution	For now, you may convert such columns into varchar2 as a workaround.
More Information	https://icm.ad.msft.net/imp/v3/incidents/details/151906017/home
Tags	Arithmetic Overflow;

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