[SAP BW via MDX] Collect log and Generate MDX query for customer using PBI

Last updated by | Jackie Huang | Jan 4, 2022 at 12:24 AM PST

201006- [SAP **BW via MDX**] Generate MDX query for customer using PBI			
		ASC Onboard	N/A

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SME	( )
Symptoms	Customer encounter issues with executing MDX queries generated from ADF while works well in PBI
Cause	It could be caused by the MDX query generation of ADF.

Resolution	Please check with customer whether they are OK to switch to use SAP Open Hub Connector instead. If still insist, please use the same MDX query generated by PBI:
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	Steps to Enable PBI log
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	1. Close PowerBI if it's running.
	2. Create a new environment variable:
	    a. Name: PBI_EnableSapBwTracing
	    b. Value: true
	  (this is via the steps Windows Explorer -> This PC -> Properties -> Advanced System Settings -> Variables... -> System Variables -> New)
	3. When this advanced tracing is activated, an additional folder called SapBw will be created within folder.
	4. Open Power BI Desktop.
	5. Clear the cache before capturing
	  (In Power BI desktop, go to menu item File -> Options and Settings -> Options, then under Glob choose Data Load, and Clear Cache)
	6. Enable Tracing
	  (In Power BI desktop, go to menu item File -> Options and Settings -> Options, then under Glo choose Diagnostics, and Enable Tracing)
	7. Reproduce the issue (open the navigator and expand the affected query), please use "Data Conn as "Import", and "Implementation" as "1.0(requires NetWeaver RFC)"
	8. Once done, close Power BI, so the logs are flushed to disk.
	9. Make sure you deactivate this advanced tracing once you're done.
	
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	Steps to Find the MDX query
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	You need to look in the Microsoft.Mashup.*.log traces. Just look for MDX and you'll find it.
	
	For example:
	Engine/IO/SAP Business Warehouse/Command/ExecuteDbDataReader {"Start":"2018-04-04T14:04:32.0086579Z","Action":"Engine/IO/SAP Business Warehouse/Command/ExecuteDbDataReader","HostProcessId":"11012","CommandText":"EXECUTE MEMBER [Measures].[Microsoft.Mashup.Engine.unscaled.0] AS([Measures].[00O2TNIVJ7JAOL2HWAA 1.0)\r\nMEMBER [Measures].[Microsoft.Mashup.Engine.unscaled.1] AS([Measures].[00O2TNIVJ7JAOL * 1.0)\r\nMEMBER [Measures].[Microsoft.Mashup.Engine.unscaled.2] AS([Measures].[00O2TNIVJ7JAOL2HWAA88QP6B] * 1.0)\r\nSELECT\r\n {\r\n [Measures].[Microsoft.Mashup.Engine.unscaled.0],\r\n [Measures].[Microsoft.Mashup.Engine.unscaled.1],\r\[Measures].[Microsoft.Mashup.Engine.unscaled.2]\r\n }ON 0,\r\n NON EMPTY{\r\n [0CALDAY] [20160227],\r\n [0CALDAY].[20151107] r\n }\r\n PROPERTIES MEMBER_CAPTION, MEMBER_U ON 1\r\nFROM [Y6JPDCP10/ZZ_Y6JPDCP10Q_RMS] WHERE\r\n CROSSJOIN(\r\n [ADDFA].[YRNA001701M8400AHOUSACTA],\r\n {\r\n [ADDFA].[YRNA001701MS.000027],\r\n [YRNA001701MS.000025]\r\n }\r\n)\r\nCELL PROPERTIES VALUE SAP VARIABLES [!V000002] IN [DDAGR].[YRNA091701] [!V000003] INCLUDING [TIMEREF].[01W]| WITH-OPTIONS(IgnoreEmptyResul USEFLATTENING=TRUE);","Behavior":"Default","ProductVersion":"2.57.0.0 (Main)","ActivityId":"b700 8f67-d2558ebd9788","Process":"Microsoft.Mashup.Container.NetFX40","Pid":9236,"Tid":1,"Duration":"00:

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