SAP Note

SAP **1032461 - MDX parser does not start**

Version 10   **Validity:** 13.02.2012 - active   **Language** English

Header Data

Released On	13.02.2012 09:51:49
Release Status	Released for Customer
Component	BW-BEX-OT-MDX MDX,OLAP-BAPI,OLE DB for OLAP

Other Components	
	BI-BIP-CS Connection Server
	BI-BIP-IDT Information design tool
	BI-BIP-IK Integration; Integration kits for SAP, Baan, PeopleSoft, Sie
	BI-BIP-UDT Universe Design Tool
	BI-RA-WBI Web Intelligence
	BI-RA-WBI-JRP Web Intelligence applet Java report panel, query panel
	BW-EI-APD Analysis Process Designer
	BW-EI-RTR Retraction
	FIN-SEM-CPM Corporate Performance Monitor
	FIN-SEM-CPM-BSC Balanced Scorecard

Priority	Recommendations / Additional Info
Category	Installation information

Symptom

The MDX execution terminates with error message BRAINOLAPAPI 011:
       Error occurred when starting the parser: timeout during allocate / CPIC-CALL: 'ThSAPCMRCV'
A connection test of the Remote Function Call (RFC) destination MDX PARSER in transaction SM59 is unsuccessful.

The system may also issue this error message in SAP BusinessObjects Interactive Analysis (WebI) if data from a multidimensional data source should be read via a universe.

Other Terms

011(BRAINOLAPAPI), BRAINOLAPAPI011, BRAINOLAPAPI 011, MDX PARSER, data refresh, BOBJ, Business Objects, Universe Designer, Web Intelligence, WebI

Reason and Prerequisites

The MDX parser is an executable program that is installed with the kernel. The file name is mdxsvr.exe.
The communication between ABAP and MDX parser is carried out in binary format and the MDX parser works internally with UTF-8. Therefore, there is no special UNICODE version of the MDX parser and so the current NON-UNICODE RFC library is required.

Solution

Carry out the following steps:

- Read SAP Note 581509. This SAP Note contains general information about the "timeout during allocate" error message.

- Implement the current version of librfc32.dll (not librfc32u.dll) on ALL application servers. You can download the current librfc32.dll file from SAP Service Marketplace:

  ```
  http://service.sap.com
          -> SAP Support Portal
          -> Software Download
          -> Download
          -> Support Packages and Patches
          -> Entry by Application Group
          -> SAP NetWeaver
          -> SAP NetWeaver
          -> SAP NW 2004s
          -> Entry by Component
          -> Application Server ABAP
          -> ...
  ```
  To determine the most current version of librfc32.dll, see Note 413708.

- The file librfc32.dll can be installed several times. Replace all versions. Note 336693 describes how to replace this DLL on the Windows platform.

- If file librfc32.dll is not contained in the same directory as mdxsvr.exe, it must be in one of the search path directories (environment variable PATH). The MDX parser (program mdxsvr) is located in a directory of the application server: /usr/sap/<SID>/sys/exe. To check whether the newly installed librfc32.dll is contained in the path, carry out the following steps on the Windows platform:

  o Use the command CMD to open a command line.

  o Execute the command SET.

  o Check whether the environment variable PATH contains a directory that contains librfc32.dll (for example, <Windows>\System32).

- In transaction SM59, check whether the setting "Communication Type with Target System" ("MDMP & Unicode" tab) is set to "Non-Unicode" for

the RFC destination MDX PARSER.

If these steps are not successful, try to start the MDX parser as a local RFC server. Carry out the following steps for the Windows platform:

- Use the command CMD to open a command line.

- Switch to the directory that contains mdxsvr.exe (/usr/sap/<SID>/sys/exe).

- Start the MDX parser as a server using the following command: mdxsvr -amdxparser -g<host> -x<gateway> -t (replace <host> and <gateway> accordingly).

If the program can be started successfully, the functions should not be impaired.

If a test of the RFC destination still results in an error, enter the complete path for the file mdxsvr.exe in the "Program" field (for example, j:\usr\sap\BWP\SYS\exe\run\mdxsvr). Then check whether the test still results in an error. If the test is successful this time, it indicates that a PATH variable is incomplete.

Important: If there should be error messages with regard to the MDX parser from BW 7.30 on (for example, in the system log), even though the statement can be parsed successfully, refer to the SAP Notes 1572695 and 1666816.

Validity

This document is not restricted to a software component or software component version

References

This document refers to:

SAP Notes

1061383	End-to-End Diagnostics SP13
1126859	End-to-End Diagnostics SP15-SP17
1170342	Setting environment variables
1233709	DVM Cockpit - Central Preparation Note
1272044	Analyzing MDX problems
1434994	MDX: Using the current MDX parser
1435043	E2E Workload Analysis - No applicable data found
1572695	MDX: System-wide call of old parser implementation
1666816	MDX: Termination of the KAON parser
336693	Replacing or installing librfc32.dll on Microsoft Windows
413708	Current RFC library
494348	Corrections for the MDX parser
581509	Reasons for "timeout during allocate"

This document is referenced by:

SAP Notes (14)

494348	Corrections for the MDX parser
413708	Current RFC library
336693	Replacing or installing librfc32.dll on Microsoft Windows
1572695	MDX: System-wide call of old parser implementation
1126859	End-to-End Diagnostics SP15-SP17
1233709	DVM Cockpit - Central Preparation Note
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1434994	MDX: Using the current MDX parser
1435043	E2E Workload Analysis - No applicable data found
1170342	Setting environment variables
1061383	End-to-End Diagnostics SP13
1501216	SAP Best Practices for Business Warehousing V1.701
1666816	MDX: Termination of the KAON parser
581509	Reasons for "timeout during allocate"