

SAP Note

**3063696 - A Query Fails With an Error 'Entity cache manager is null' in Active/Active Read-Enabled Setup****Version 2** **Validity:**
28.06.2021 - active**Language** English

Internal Memo

17.06.2021 07:45:49 Jinsol Kim

Currently CacheMgr is not available. Therefore, this is not a bug but an expected behavior. CacheMgr in the secondary system will be available as of HANA 2.0 SPS06.

Header Data

Released On	28.06.2021 00:45:33	By Jinsol Kim (I533393)
Release Status	Released for Customer	
Component	HAN-DB SAP HANA Database	Display ACRF Content
Priority	Recommendations / Additional Info	
Responsible	Jinsol Kim (I533393)	
Processor	Jinsol Kim (I533393)	
Category	Consulting	
Relevant for Translation	No	

Symptom

A query is executed successfully in the primary system of System Replication Active/Active Read-Enabled while the same query fails in the secondary system with an error similar to following:

SAP DBTech JDBC: [256]: sql processing error: Error occurred while executing a MDX statement. The error message is: ***An internal error occurred. Assertion failed with error message Entity cache manager is null***

Other Terms

HANA System Replication (HSR), Active/Active (Read-Enabled), Cache Manager, MDX, MDS, BOBJ, WebI

Reason and Prerequisites

Issue number 209579

Reason:

HANA Cache Manager in the secondary system is currently not available. So it causes any transaction referencing cache manager in the secondary system to fail. Since MDX and MDS queries always reference HANA Cache Manager, they will always fail to be executed in the secondary system.

Affected Releases:

- SAP HANA 1:
 - Revisions of SPS07 - SPS12
- SAP HANA 2:
 - Revisions of SPS00 - SPS05

Prerequisites:

- HANA System Replication Active/Active mode (read-enabled) is configured
- A query is executed on the secondary system in one of following methods:
 - With hint *RESULT_LAG('hana_sr')* the query is rerouted from the primary to the secondary system
 - Connection is made directly to secondary system
- HANA Cache Manager is referenced by requested statements

Solution

Apply one of the following SAP HANA Revisions:

- SAP HANA 2:
 - Revisions of SPS06 : Cache Manager in the secondary system will be available as of SPS06.
 - or higher

Workaround:

- Execute a query in SQL instead of MDX or MDS.
- In case BOBJ applications (for example, WebI) send requests to HANA, please make sure that connection is made with an option 'Relational Connection' instead of 'OLAP Connection'. 'Relational Connection' sends a query in SQL while 'OLAP Connection' in MDX.

Validity

Software Component	From Rel.	To Rel.	And Subsequent	
HDB	1.00	1.00		
	2.00	2.00		

References

This document refers to:

ServiceNow Case

This document is referenced by:

Customer Incident (1)

Number	Year	Title	Status	Processor	Customer Number	Customer Name
0000919164	2021	AARE_QOM.issue	Closed	Ruth Kelly	0000225637	SK HYNIX INC.

SAP Knowledge Base Articles (1)

1999880 HAN-DB-HA [FAQ: SAP HANA System Replication](#)

ServiceNow Case (3)

Number	Year	Text	Status	Processor	Customer Number	Customer
0000919164	2021	AARE_QOM.issue	Closed	Ruth Kelly (I311696)		