

Error: 608 - No catalog entry found for partition ID in database error encountered on secondary replica

Last updated by | Vitor Tomaz | Feb 24, 2023 at 3:24 AM PST

Contents

- [Issue](#)
- [Investigation/Analysis](#)
- [RCA Template](#)
- [Internal Reference](#)
- [Root Cause Classification](#)

Issue

When using [Log Analytics](#)  to query the **AzureDiagnostics** table, 608 error messages appear:

Error: 608, Severity: 16, State: 2. No catalog entry found for partition ID <partition_id> in database <db_id>. The metadata is inconsistent. Run DBCC CHECKDB to check for a metadata corruption.

An example AzureDiagnostics query:

```
AzureDiagnostics
| where TimeGenerated >= ago(30d)
| where Category == 'Errors' and error_number_d == 608
| summarize count(), max(TimeGenerated) by Message, LogicalServerName_s, DatabaseName_s
| sort by Message, count_desc, max_TimeGenerated desc
| sort by max_TimeGenerated desc
```

Investigation/Analysis

Check in the **Properties -> Top 30 SQL Error Log Records** section of the *ASC troubleshooter report*, or by querying **MonSQLSystemHealth** in *Kusto* for the 608 error message:

Top 30 Sql Server Error Log Records

[Kusto Query](#)

Shows the top 30 SQL Server logs for this app

Drag a column header and drop it here to group by that column

	Count	NodeName	MinTime	MaxTime	ErrorCode	DisplayMessage		
	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	
<div><div></div><div></div></div>	71	DB_HS3.16	2022-08-13 13:04:31	2022-08-14 12:24:34	Error: 608, Severity: 16, State: 2	Error: 608, Severity: 16, State: 2. No catalog entry found for partition ID 281474980577280 in database 5. The metadata is inconsistent. Run DBCC CHECKDB to check for a metadata corruption.	<div><div></div></div>	
<div><div></div><div></div></div>	50	DB_HS3.16	2022-08-13 13:11:31	2022-08-14 12:11:34	Error: 608, Severity: 16, State: 2	Error: 608, Severity: 16, State: 2. No catalog entry found for partition ID 844424932360192 in database 5. The metadata is inconsistent. Run DBCC CHECKDB to check for a metadata corruption.	<div><div></div></div>	

2

items per page

1 - 2 of 2 items

Kusto query:

```

let IsRelevantMessage = (s:string) {
    s !contains "accepting vlf header" and
    s !contains "CHadrTransportReplica" and
    s !contains "CFabricCommonUtils" and
    s !contains "HADR TRANSPOR" and
    s !contains "DbMgrPartnerCommitPolicy" and
    s !contains "AlwaysOn Availability Groups" and
    s !contains "Querying Property Manager" and
    s contains "error:"
};
MonSQLSystemHealth
| where TIMESTAMP > datetime("2022-08-13 12:49:09") and TIMESTAMP < datetime("2022-08-14 12:49:09")
| where AppName in ('a0a71a665f08') and event == "systemmetadata_written"
| where IsRelevantMessage(message)
| extend ErrorCode = extract('Error: [0-9]*, Severity: [0-9]*, State: [0-9]*', 0, message)
// Filter out string like '2020-11-23 08:02:40.41 spid4230' or '2020-11-23 08:05:09.95 Logon'
| extend DisplayMessage = replace('[0-9][0-9][0-9][0-9]-[0-9][0-9]-[0-9][0-9] [0-9][0-9]:[0-9][0-9]:[0-9][0-9]')
| extend DisplayMessage = trim('@[\t\n\f\r ]+', DisplayMessage)
| summarize Count = count(), MinTime = min(TIMESTAMP), MaxTime = max(TIMESTAMP) by ErrorCode, NodeName, DisplayMessage
| limit 30
| extend ErrorCode = iff(ErrorCode != '', ErrorCode, '(No specific error code)')
| project Count, NodeName, MinTime, MaxTime, ErrorCode, DisplayMessage
| order by Count desc

```

If the error message occurs on the **secondary replica** it can be ignored as there is no impact for the end user. Check the **NodeName** where the message is displayed in ASC (or Kusto) and confirm it's on the secondary replica. If so, the error message is caused by a few DMVs that attempt to access the data file and fail silently with a 608 error on the auxiliary replica. The code fix for this issue is planned to be rolled out in the T66 train (Q4 CY22).


RCA Template

The Error 608 is encountered on the secondary replica. There are a few DMVs that attempt to the access data file and fail silent with a 608 error on the replica, however this has no impact on the end user and consequently this error message can be ignored.

The code fix for this issue is planned to be deployed in the next deployment rollout. We apologize sincerely for the inconvenience caused.

Internal Reference

[IcM 320814615: Customer is receiving error No catalog entry found Error 608 severity :16, state 2](#) 

[IcM 325631162: Error: 608, Severity: 16, State: 2. No catalog entry found for partition ID 281474980577280 in database 41](#) 

[IcM 323098231: Customer is receiving error No catalog entry found Error 608 severity :16, state 2](#) 

[IcM 323068741: Customer is receiving error No catalog entry found Error 608 severity :16, state 2](#) 

[Bug 1525688: Auxiliary Replica - 608 Error in LKG/Stage](#) 

Root Cause Classification

Cases resolved by this TSG should be coded to the following root cause:

/Root Cause: Azure SQL v3/Performance/SQL Server Engine bug/Other

How good have you found this content?

