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

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## Issue

When using <u>Log Analytics</u> □ to guery the **AzureDiagnostics** table, 608 error messages appear:

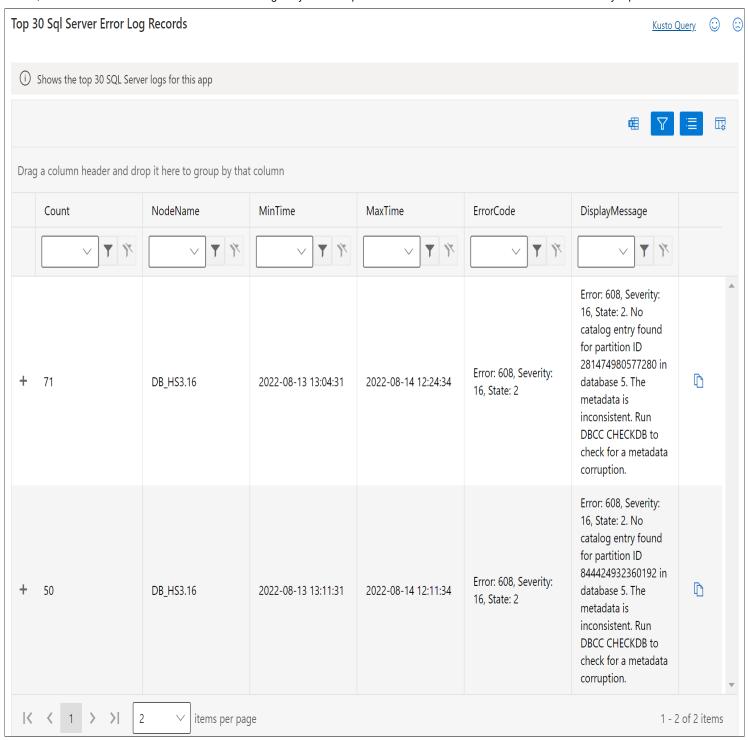
Error: 608, Severity: 16, State: 2. No catalog entry found for partition ID <partition\_id> in database <db\_id>. The metadata is inconsistent. Run DBCC CHECKDB to check for a metadata corruption.

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:



Kusto query:

```
let IsRelevantMessage = (s:string) {
 s !contains "accepting vlf header"
 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:"
  };
MonSQLSvstemHealth
 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 = trim(@'[\t\n\f\r ]+', DisplayMessage)
 summarize Count = count(), MinTime = min(TIMESTAMP), MaxTime = max(TIMESTAMP) by ErrorCode, NodeName, Displa
 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 12

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 12

### **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?

