

This error indicates that there is a problem in Power BI while running a query using Mashup data transformations. Let me break it down into more understandable terms:

1. Error Details:

- **LZ4 Decompression Issue:** One part of the error mentions that an issue occurred during LZ4 decompression. This points to a possible problem with how the data is being processed or compressed by the system.
- **Memory/Allocation Issue:** The error mentions `ERROR: allocation_failed`, suggesting that the query or data processing task ran out of memory or failed to allocate resources properly during execution.

2. Error Context:

- The error seems to be tied to the gateway or the Mashup engine in Power BI, which processes the data transformations. A failed transformation or query logic in the Mashup code could trigger this problem.

3. Possible Causes:

- The dataset or query result may be too large, causing memory issues during processing.
- There could be invalid or unsupported transformations in the Power Query code.
- Resource constraints in the environment (e.g., limited RAM or CPU on the server where the gateway is running).
- Data corruption or compression issues in the underlying data source.

4. Steps to Resolve:

- **Check Mashup Query:** Review the Power Query/M transformations being applied in Power BI. Simplify or optimize the query logic where possible.
- **Validate Data Source:** Ensure the data source is returning valid, non-corrupted data. If the source involves compressed data, check the compression settings.
- **Increase Gateway Resources:** If the issue occurs on a gateway, ensure the machine hosting the gateway has sufficient memory and processing power.
- **Test Smaller Data Sets:** If feasible, run the query on a smaller dataset to identify whether the issue is related to the data size.
- **Review Gateway Logs:** Check the detailed logs for the on-premises data gateway (if applicable) for additional clues.

5. Next Steps:

- If the issue persists, provide the detailed Mashup code and data source configurations. Also, ensure that the latest version of the Power BI gateway is installed if a gateway is being used.

This error generally suggests a combination of query complexity and resource constraints during execution. Optimizing the query and ensuring proper resource allocation are the key steps to troubleshoot.

