[CSSTSG-Orcas-PGSS-Error] Error: Could not read block xxxx in file "base...": Invalid argument error - after K63

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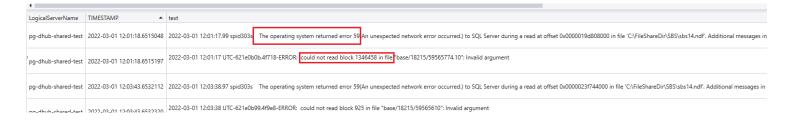
Issue Description

After K63 deployment, we are seeing some incidents reported where the customer is facing block corruption in his database server with error like

ERROR: could not read block xxxx in file "base/xxxxx/xxxxxx": Invalid argument

To validate, use the below Kusto query:

```
let TimeCheckStart = datetime('2022-xx-xx xx:xx:xx');
let TimeCheckEnd = datetime('2022-xx-xx xx:xx:xx');
MonRdmsPgSqlSandbox
 where LogicalServerName == "pgservername"
 where originalEventTimestamp > TimeCheckStart and originalEventTimestamp < TimeCheckEnd
 where text contains "Error 59" or text contains "could not read block"
 project LogicalServerName, TIMESTAMP, text
```



Mitigation

Mitigation is to restart the server to clear these invalid handles.

Root Cause

Azure Database for Postgres service uses Azure premium file share storage for storing data. Azure Files support SMB Transparent Failover with SMB3.0 and above. This is achieved using persisted handles. SMB layer would try to reconnect during such scenarios to maintain uninterrupted IOs. But due to a rare bug, the handles are not reestablished causing the IOs to fail.

Fix Plan

A fix has been delivered by Azure SMB team which is currently being tested by Azure database for Postgres service team. Post testing will be rolled out to production in the future deployment.