## Monitor short live connections

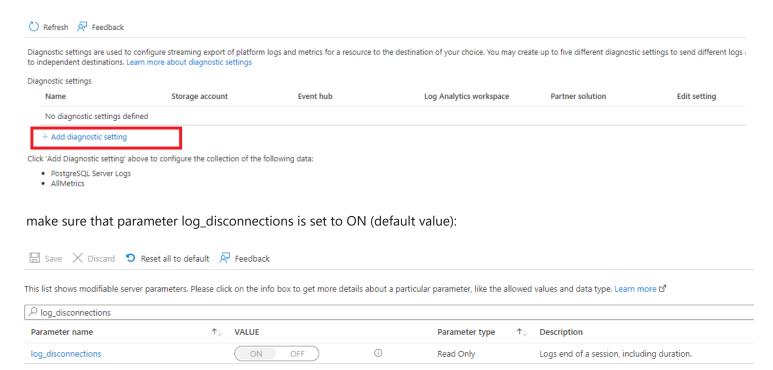
Last updated by | Hamza Agel | Sep 14, 2022 at 7:21 AM PDT

Some customers are willing to see if they can monitor their short live connections in their PostgreSQL Flexible servers and set some notifications or alerts to achieve that, you do that through diagnostic settings as in the below example:

Prerequisites:

Make sure to enable or set these before moving forward:

**Enable Diagnostic settings:** 



Run this guery under Monitoring – Logs (Log analytics):

AzureDiagnostics

```
where ResourceProvider =="MICROSOFT.DBFORPOSTGRESQL"

where Category == "PostgreSQLLogs"

where TimeGenerated >= ago(2d)

where Message contains "disconnection: session time"

extend pgmessage = tostring(split(Message, "disconnection: session time: ")[-1])

extend myuser = tostring(split(tostring(split(pgmessage, " database=")[-2]), " user=")[-1])

extend hours = todecimal(substring(pgmessage, 0, 1))

extend minutes = todecimal(substring(pgmessage, 2, 2))

extend seconds = todecimal(substring(pgmessage, 5, 2))

extend milliseconds = todecimal(substring(pgmessage, 7, 4))
```

extend connection\_life\_seconds = hours\*60\*60+minutes\*60+seconds+milliseconds

| where myuser != 'azuresu'

| extend connection\_type = case(connection\_life\_seconds < 60 , strcat("Short Live Connection"),
connection\_life\_seconds between (60 .. 1200) , strcat("Normal Live
Connection"),connection\_life\_seconds >1200, strcat("Long Live Connections"), "")

| summarize max(connection\_life\_seconds) by TimeGenerated,connection\_type

## render timechart

- This is based on our recommendation and experience:
- short live .. if connection\_life\_seconds is less than 60s.
- normal if 60s < connection\_life\_seconds < 1200s
- long if it is > 1200s

