High Memory PGFLEX

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This is part of GT, to update please refer to haaqel@microsft.com

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Checking High Memory utilization

Our Product Group engineers have developed new workbooks for the Azure database for PostgreSQL flexible server that will aid the support engineers in resolving a variety of customer issues:

- High CPU.
- High Memory.
- High IOPs.
- Autovacuum/vacuum monitoring.
- Autovacuum blockers and Wraparound identification.
- High temporary file usage.

Use the below workbooks to troubleshoot High CPU issues:

Workbook Name	Link
High Memory	https://portal.azure.com/?feature.customportal=false#@microsoft.onmicrosoft.com/resource/subscriptions/b11727cf5a-4917-ac31-6f06460ff9b2/resourceGroups/prod-internal-perf-workbooks/providers/microsoft.insights/workbooks/76583944-8a0b-46a9-a326-15e801922c18/workbook ↗

Checking Query Store

For the above workbooks to work effectively, the customer should have already set the parameter pg_qs.query_capture_mode to ALL.

Check the customer query store if it is enabled, and recommend to enable if not to monitor and check the top queries:

How to check if it is enabled or not:

Run the below CAS command:

Get-OrcasBreadthServerParameters -ServerName pgflex-servername -CustomerSubscriptionId xxx CustomerResourceGroup rgname -ServerType PostgreSQL -ConfigurationName pg_qs.query_capture_mode |ConvertFrom-Json |Format-Table Name,value,DefaultValue,IsPendingRestart

```
PS C:\Users\haaqel\SqlAzureConsole> Get-OrcasBreadthServerParameters -ServerName haqe    -CustomerSubscriptionId 2f
                              -CustomerResourceGroup Ha     rp -ServerType PostgreSQL -ConfigurationName pg_qs.query_
capture_mode |ConvertFrom-Json |Format-Table Name,value,DefaultValue,IsPendingRestart

Name                     Value DefaultValue IsPendingRestart
----                     ----- ------------ ----------------
pg_qs.query_capture_mode none  none                    False


PS C:\Users\haaqel\SqlAzureConsole>
```

Public Documentation

This article High memory utilization in Azure Database for PostgreSQL - Flexible Server introduces common scenarios and root causes that might lead to high memory utilization in Azure Database for PostgreSQL - Flexible Server, we need to follow this article and educate the customer how to trouble shoot such incidents.