Increase SQLDB Firewall Limit

Last updated by | Rui Manuel Maia | Mar 6, 2023 at 6:53 AM PST

Contents

Issue

Current design of the maximum number of firewall rules for server-level or database-level is 256. The customer wants to create more firewall rules than the maximum limit.

Investigation/Analysis

n/a

Mitigation

Open an IcM ticket with Gateway and request to increase the limit.

RCA Template (optional)

n/a

More Information (optional)

n/a

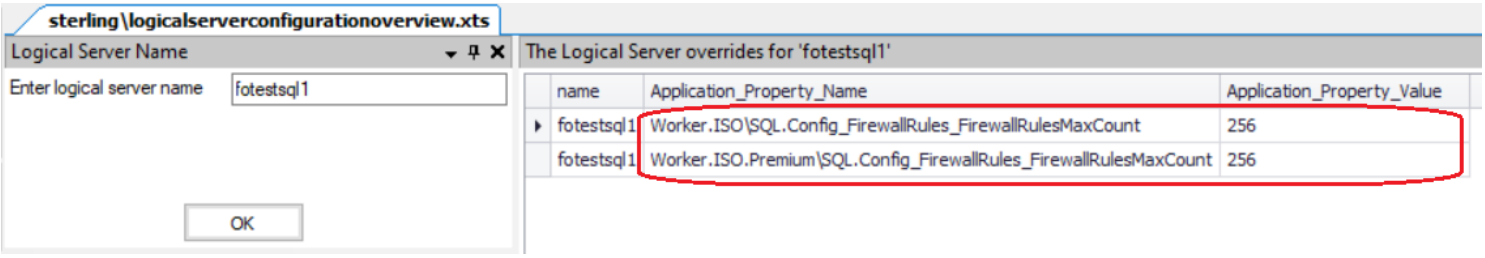
Public Doc Reference (optional)

Azure SQL Database and Azure Synapse IP firewall rules

Internal Reference (optional)

Confirm SQL DB firewall limit is set

Open logicalserverconfigurationoeverview.xts view from XTS and check the [Logical Server overrides] tab where it should show the current settings for FirewallRulesMaxCount value.



CAS command example to set the firewall rule limit (for your reference):

```
Set-ServerConfigurationParameters -ServerName fotestsql1
  -Parameters @('Worker.ISO\SQL.Config_FirewallRules_FirewallRulesMaxCount',
  'Worker.ISO.Premium\SQL.Config_FirewallRules_FirewallRulesMaxCount')
  -Values @('256', '256')
```

As per ICM below, PG recommends not exceeding 22000 rules ([number of server level rules] x [number of SQL *instances*]) for a single logical server. Each logical server has N databases. The number of instances here is the sum of singleton databases (non elastic pools) plus all the elastic pools.

IcM 231378373

Related cases

- SR 2107200050002774, IcM 252075595
- SR 2106300040006524, IcM 249112789

Root Cause Classification

Cases resolved by this TSG should be coded to the following root cause:
Root Cause: Connectivity\Configuration request