Shared buffers is not supported to be changed

Last updated by | Lisa Liu | Nov 6, 2020 at 10:36 AM PST

Shared buffers is not supported to be changed

shared_buffer

This parameter is not exposed for customers to configure, though customers can increase it by scaling up their vCores, higher vCore counts have higher memory and more allocation for shared_buffers; it's not exactly linear for the smallest SKUs but close for larger ones. Generally, MemoryOptimized will have double the shared_buffers for the same vCore count. to get 32GB shared buffers : General Purpose Gen5 32vCore or Memory Optimized Gen5 16vCore

Internal Only! Below are the limits for each service tier as FYI for CSS only (DONT COPY from this and paste to customers!)

```xml
<InstanceSetting name="POSTGRESB50" scalefactor ="1">
  <Instance>
    <postgres_shared_buffers>512MB</postgres_shared_buffers>
    <postgres_effective_cache_size>1536MB</postgres_effective_cache_size>
    <postgres_max_wal_size>1GB</postgres_max_wal_size>
    <postgres_min_wal_size>256MB</postgres_min_wal_size>
    <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
    <postgres_max_connections>55</postgres_max_connections>
    <sbs_MaxMemoryMb>1024</sbs_MaxMemoryMb>
    <sbs_MinMemoryMb>768</sbs_MinMemoryMb>
    <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
    <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
    <sbs_MaxCpuCount>1</sbs_MaxCpuCount>
  </Instance>
</InstanceSetting>
<InstanceSetting name="POSTGRESB100" scalefactor ="2">
  <Instance>
    <postgres_shared_buffers>512MB</postgres_shared_buffers>
    <postgres_effective_cache_size>3GB</postgres_effective_cache_size>
    <postgres_max_wal_size>1GB</postgres_max_wal_size>
    <postgres_min_wal_size>256MB</postgres_min_wal_size>
    <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
    <postgres_max_connections>105</postgres_max_connections>
    <sbs_MaxMemoryMb>2560</sbs_MaxMemoryMb>
    <sbs_MinMemoryMb>819</sbs_MinMemoryMb>
    <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
    <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
    <sbs_MaxCpuCount>1</sbs_MaxCpuCount>
  </Instance>
</InstanceSetting>
<InstanceSetting name="POSTGRESB200" scalefactor ="3">
  <Instance>
    <postgres_shared_buffers>512MB</postgres_shared_buffers>
```

```xml
      <postgres_effective_cache_size>3GB</postgres_effective_cache_size>
      <postgres_max_wal_size>1GB</postgres_max_wal_size>
      <postgres_min_wal_size>256MB</postgres_min_wal_size>
      <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
      <postgres_max_connections>305</postgres_max_connections>
      <sbs_MaxMemoryMb>8192</sbs_MaxMemoryMb>
      <sbs_MinMemoryMb>1433</sbs_MinMemoryMb>
      <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
      <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
      <sbs_MaxCpuCount>2</sbs_MaxCpuCount>
    </Instance>
  </InstanceSetting>
  <InstanceSetting name="POSTGRESB400" scalefactor ="4">
    <Instance>
      <postgres_shared_buffers>512MB</postgres_shared_buffers>
      <postgres_effective_cache_size>3GB</postgres_effective_cache_size>
      <postgres_max_wal_size>1GB</postgres_max_wal_size>
      <postgres_min_wal_size>256MB</postgres_min_wal_size>
      <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
      <postgres_max_connections>305</postgres_max_connections>
      <sbs_MaxMemoryMb>11264</sbs_MaxMemoryMb>
      <sbs_MinMemoryMb>2867</sbs_MinMemoryMb>
      <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
      <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
      <sbs_MaxCpuCount>5</sbs_MaxCpuCount>
    </Instance>
  </InstanceSetting>
  <InstanceSetting name="POSTGRES50" scalefactor ="1">
    <Instance>
      <postgres_shared_buffers>512MB</postgres_shared_buffers>
      <postgres_effective_cache_size>1536MB</postgres_effective_cache_size>
      <postgres_max_wal_size>1GB</postgres_max_wal_size>
      <postgres_min_wal_size>256MB</postgres_min_wal_size>
      <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
      <postgres_max_connections>155</postgres_max_connections>
    </Instance>
  </InstanceSetting>
  <InstanceSetting name="POSTGRES100" scalefactor ="2">
    <Instance>
      <postgres_shared_buffers>2GB</postgres_shared_buffers>
      <postgres_effective_cache_size>7GB</postgres_effective_cache_size>
      <postgres_max_wal_size>1GB</postgres_max_wal_size>
      <postgres_min_wal_size>256MB</postgres_min_wal_size>
      <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
      <postgres_max_connections>150</postgres_max_connections>
      <postgres_maintenance_work_mem>128MB</postgres_maintenance_work_mem>
      <sbs_MaxMemoryMb>6144</sbs_MaxMemoryMb>
      <sbs_MinMemoryMb>819</sbs_MinMemoryMb>
      <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
```

```xml
            <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
            <sbs_MaxCpuCount>1</sbs_MaxCpuCount>
            <sbs_RecoveryIntervalMin>1</sbs_RecoveryIntervalMin>
            <sbs_CheckpointRateMBps>4</sbs_CheckpointRateMBps>
            <sbs_CheckpointRateIO>80</sbs_CheckpointRateIO>
        </Instance>
    </InstanceSetting>
    <InstanceSetting name="POSTGRES200"  scalefactor ="3">
        <Instance>
            <postgres_shared_buffers>3GB</postgres_shared_buffers>
            <postgres_effective_cache_size>10GB</postgres_effective_cache_size>
            <postgres_max_wal_size>1GB</postgres_max_wal_size>
            <postgres_min_wal_size>256MB</postgres_min_wal_size>
            <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
            <postgres_max_connections>250</postgres_max_connections>
            <postgres_maintenance_work_mem>256MB</postgres_maintenance_work_mem>
            <sbs_MaxMemoryMb>9216</sbs_MaxMemoryMb>
            <sbs_MinMemoryMb>1433</sbs_MinMemoryMb>
            <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
            <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
            <sbs_MaxCpuCount>2</sbs_MaxCpuCount>
            <sbs_RecoveryIntervalMin>1</sbs_RecoveryIntervalMin>
            <sbs_CheckpointRateMBps>4</sbs_CheckpointRateMBps>
            <sbs_CheckpointRateIO>80</sbs_CheckpointRateIO>
        </Instance>
    </InstanceSetting>
    <InstanceSetting name="POSTGRES400"  scalefactor ="4">
        <Instance>
            <postgres_shared_buffers>8GB</postgres_shared_buffers>
            <postgres_effective_cache_size>20GB</postgres_effective_cache_size>
            <postgres_max_wal_size>1GB</postgres_max_wal_size>
            <postgres_min_wal_size>256MB</postgres_min_wal_size>
            <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
            <postgres_max_connections>480</postgres_max_connections>
            <postgres_maintenance_work_mem>512MB</postgres_maintenance_work_mem>
            <sbs_MaxMemoryMb>15360</sbs_MaxMemoryMb>
            <sbs_MinMemoryMb>2867</sbs_MinMemoryMb>
            <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
            <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
            <sbs_MaxCpuCount>6</sbs_MaxCpuCount>
            <sbs_RecoveryIntervalMin>1</sbs_RecoveryIntervalMin>
            <sbs_CheckpointRateMBps>8</sbs_CheckpointRateMBps>
            <sbs_CheckpointRateIO>90</sbs_CheckpointRateIO>
        </Instance>
    </InstanceSetting>
    <InstanceSetting name="POSTGRES700"  scalefactor ="7">
        <Instance>
            <postgres_shared_buffers>8186824kB</postgres_shared_buffers>
            <postgres_effective_cache_size>23GB</postgres_effective_cache_size>
```

```xml
      <postgres_max_wal_size>2GB</postgres_max_wal_size>
      <postgres_min_wal_size>256MB</postgres_min_wal_size>
      <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
      <postgres_max_connections>480</postgres_max_connections>
      <sbs_MaxMemoryMb>11264</sbs_MaxMemoryMb>
      <sbs_MinMemoryMb>2867</sbs_MinMemoryMb>
      <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
      <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
      <sbs_MaxCpuCount>7</sbs_MaxCpuCount>
      <!-- below settings are untested since this is an experimental SLO -->
      <sbs_RecoveryIntervalMin>1</sbs_RecoveryIntervalMin>
      <sbs_CheckpointRateMBps>8</sbs_CheckpointRateMBps>
      <sbs_CheckpointRateIO>90</sbs_CheckpointRateIO>
    </Instance>
  </InstanceSetting>
  <InstanceSetting name="POSTGRES800" scalefactor ="8">
   <Instance>
      <postgres_shared_buffers>16GB</postgres_shared_buffers>
      <postgres_effective_cache_size>40GB</postgres_effective_cache_size>
      <postgres_max_wal_size>2GB</postgres_max_wal_size>
      <postgres_min_wal_size>256MB</postgres_min_wal_size>
      <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
      <postgres_max_connections>950</postgres_max_connections>
      <postgres_maintenance_work_mem>1024MB</postgres_maintenance_work_mem>
      <sbs_MaxMemoryMb>30720</sbs_MaxMemoryMb>
      <sbs_MinMemoryMb>5734</sbs_MinMemoryMb>
      <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
      <sbs_MaxWorkerThreads>576</sbs_MaxWorkerThreads>
      <sbs_MaxCpuCount>12</sbs_MaxCpuCount>
      <sbs_RecoveryIntervalMin>1</sbs_RecoveryIntervalMin>
      <sbs_CheckpointRateMBps>10</sbs_CheckpointRateMBps>
      <sbs_CheckpointRateIO>140</sbs_CheckpointRateIO>
   </Instance>
  </InstanceSetting>
  <InstanceSetting name="POSTGRES1600" scalefactor ="16">
   <Instance>
      <postgres_shared_buffers>10GB</postgres_shared_buffers>
      <postgres_effective_cache_size>39GB</postgres_effective_cache_size>
      <postgres_max_wal_size>4GB</postgres_max_wal_size>
      <postgres_min_wal_size>256MB</postgres_min_wal_size>
      <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
      <postgres_max_connections>605</postgres_max_connections>
      <postgres_maintenance_work_mem>1024MB</postgres_maintenance_work_mem>
      <sbs_MaxMemoryMb>68812</sbs_MaxMemoryMb>
      <sbs_MinMemoryMb>11468</sbs_MinMemoryMb>
      <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
      <sbs_MaxWorkerThreads>704</sbs_MaxWorkerThreads>
      <sbs_MaxCpuCount>8</sbs_MaxCpuCount>
      <sbs_RecoveryIntervalMin>1</sbs_RecoveryIntervalMin>
```

```xml
          <sbs_CheckpointRateMBps>14</sbs_CheckpointRateMBps>
          <sbs_CheckpointRateIO>200</sbs_CheckpointRateIO>
      </Instance>
    </InstanceSetting>
    <InstanceSetting name="POSTGRES2000"  scalefactor ="20">
      <Instance>
          <postgres_shared_buffers>12GB</postgres_shared_buffers>
          <postgres_effective_cache_size>49GB</postgres_effective_cache_size>
          <postgres_max_wal_size>6GB</postgres_max_wal_size>
          <postgres_min_wal_size>256MB</postgres_min_wal_size>
          <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
          <postgres_max_connections>500</postgres_max_connections>
          <sbs_MaxMemoryMb>86016</sbs_MaxMemoryMb>
          <sbs_MinMemoryMb>14336</sbs_MinMemoryMb>
          <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
          <sbs_MaxWorkerThreads>704</sbs_MaxWorkerThreads>
          <sbs_MaxCpuCount>10</sbs_MaxCpuCount>
          <!-- below settings are untested since this is an experimental SLO -->
          <sbs_RecoveryIntervalMin>1</sbs_RecoveryIntervalMin>
          <sbs_CheckpointRateMBps>14</sbs_CheckpointRateMBps>
          <sbs_CheckpointRateIO>200</sbs_CheckpointRateIO>
      </Instance>
    </InstanceSetting>
    <InstanceSetting name="MYSQLB50" scalefactor ="1" percoredefaults="MS">
      <Instance>
          <MaxConnectionNumber>250</MaxConnectionNumber>
          <InnoDbBufferSizeInMb>1500</InnoDbBufferSizeInMb>
          <CacheCapacity>589824</CacheCapacity>
          <TokenBucketTokensPerPeriod>60</TokenBucketTokensPerPeriod>
          <sbs_MaxMemoryMb>1024</sbs_MaxMemoryMb>
          <sbs_MinMemoryMb>512</sbs_MinMemoryMb>
          <sbs_MaxUserConnections>8</sbs_MaxUserConnections>
          <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
          <sbs_MaxCpuCount>1</sbs_MaxCpuCount>
          <MaxLocalIOPS>45</MaxLocalIOPS>
      </Instance>
    </InstanceSetting>
    <InstanceSetting name="MYSQLB100" scalefactor ="2" percoredefaults="MS">
      <Instance>
          <MaxConnectionNumber>500</MaxConnectionNumber>
          <InnoDbBufferSizeInMb>3000</InnoDbBufferSizeInMb>
          <CacheCapacity>1228800</CacheCapacity>
          <TokenBucketTokensPerPeriod>50</TokenBucketTokensPerPeriod>
          <sbs_MaxMemoryMb>2560</sbs_MaxMemoryMb>
          <sbs_MinMemoryMb>819</sbs_MinMemoryMb>
          <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
          <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
          <sbs_MaxCpuCount>1</sbs_MaxCpuCount>
          <MaxLocalIOPS>55</MaxLocalIOPS>
```

```xml
      </Instance>
    </InstanceSetting>
    <InstanceSetting name="MYSQLB200" scalefactor ="2" percoredefaults="MS">
      <Instance>
        <MaxConnectionNumber>1000</MaxConnectionNumber>
        <InnoDbBufferSizeInMb>6000</InnoDbBufferSizeInMb>
        <CacheCapacity>1228800</CacheCapacity>
        <TokenBucketTokensPerPeriod>50</TokenBucketTokensPerPeriod>
        <sbs_MaxMemoryMb>5632</sbs_MaxMemoryMb>
        <sbs_MinMemoryMb>1433</sbs_MinMemoryMb>
        <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
        <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
        <sbs_MaxCpuCount>2</sbs_MaxCpuCount>
        <MaxLocalIOPS>65</MaxLocalIOPS>
      </Instance>
    </InstanceSetting>
    <InstanceSetting name="MYSQLB400" scalefactor ="2" percoredefaults="MS">
      <Instance>
        <MaxConnectionNumber>2000</MaxConnectionNumber>
        <InnoDbBufferSizeInMb>12000</InnoDbBufferSizeInMb>
        <CacheCapacity>1228800</CacheCapacity>
        <TokenBucketTokensPerPeriod>50</TokenBucketTokensPerPeriod>
        <sbs_MaxMemoryMb>11264</sbs_MaxMemoryMb>
        <sbs_MinMemoryMb>2867</sbs_MinMemoryMb>
        <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
        <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
        <sbs_MaxCpuCount>4</sbs_MaxCpuCount>
        <MaxLocalIOPS>75</MaxLocalIOPS>
      </Instance>
    </InstanceSetting>
    <InstanceSetting name="MYSQL50" scalefactor ="1" percoredefaults="MS">
      <Instance>
        <MaxConnectionNumber>250</MaxConnectionNumber>
        <InnoDbBufferSizeInMb>2700</InnoDbBufferSizeInMb>
        <CacheCapacity>589824</CacheCapacity>
        <TokenBucketTokensPerPeriod>200</TokenBucketTokensPerPeriod>
        <MaxLocalIOPS>200</MaxLocalIOPS>
      </Instance>
    </InstanceSetting>
    <InstanceSetting name="MYSQL100" scalefactor ="2" percoredefaults="MS">
      <Instance>
        <MaxConnectionNumber>500</MaxConnectionNumber>
        <InnoDbBufferSizeInMb>2374</InnoDbBufferSizeInMb>
        <CacheCapacity>1228800</CacheCapacity>
        <TokenBucketTokensPerPeriod>320</TokenBucketTokensPerPeriod>
        <sbs_MaxMemoryMb>4915</sbs_MaxMemoryMb>
        <sbs_MinMemoryMb>819</sbs_MinMemoryMb>
        <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
        <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
```

```xml
        <sbs_MaxCpuCount>1</sbs_MaxCpuCount>
        <MaxLocalIOPS>320</MaxLocalIOPS>
        <LoginThreadPoolIdealWorkers>0</LoginThreadPoolIdealWorkers>
        <LoginThreadPoolMaxWorkers>0</LoginThreadPoolMaxWorkers>
      </Instance>
    </InstanceSetting>
    <InstanceSetting name="MYSQL200" scalefactor ="3" percoredefaults="MS">
      <Instance>
        <MaxConnectionNumber>1000</MaxConnectionNumber>
        <InnoDbBufferSizeInMb>5542</InnoDbBufferSizeInMb>
        <CacheCapacity>1966080</CacheCapacity>
        <TokenBucketTokensPerPeriod>640</TokenBucketTokensPerPeriod>
        <sbs_MaxMemoryMb>8601</sbs_MaxMemoryMb>
        <sbs_MinMemoryMb>1433</sbs_MinMemoryMb>
        <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
        <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
        <sbs_MaxCpuCount>1</sbs_MaxCpuCount>
        <MaxLocalIOPS>640</MaxLocalIOPS>
      </Instance>
    </InstanceSetting>
    <InstanceSetting name="MYSQL400" scalefactor ="4" percoredefaults="MS">
      <Instance>
        <MaxConnectionNumber>2000</MaxConnectionNumber>
        <InnoDbBufferSizeInMb>9204</InnoDbBufferSizeInMb>
        <CacheCapacity>4915200</CacheCapacity>
        <TokenBucketTokensPerPeriod>1280</TokenBucketTokensPerPeriod>
        <sbs_MaxMemoryMb>17203</sbs_MaxMemoryMb>
        <sbs_MinMemoryMb>2867</sbs_MinMemoryMb>
        <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
        <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
        <sbs_MaxCpuCount>2</sbs_MaxCpuCount>
        <MaxLocalIOPS>1280</MaxLocalIOPS>
        <LoginThreadPoolIdealWorkers>0</LoginThreadPoolIdealWorkers>
        <LoginThreadPoolMaxWorkers>0</LoginThreadPoolMaxWorkers>
      </Instance>
    </InstanceSetting>
    <InstanceSetting name="MYSQL800" scalefactor ="8" percoredefaults="MS">
      <Instance>
        <MaxConnectionNumber>3500</MaxConnectionNumber>
        <InnoDbBufferSizeInMb>18350</InnoDbBufferSizeInMb>
        <CacheCapacity>7864320</CacheCapacity>
        <TokenBucketTokensPerPeriod>2560</TokenBucketTokensPerPeriod>
        <sbs_MaxMemoryMb>34406</sbs_MaxMemoryMb>
        <sbs_MinMemoryMb>5734</sbs_MinMemoryMb>
        <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
        <sbs_MaxWorkerThreads>576</sbs_MaxWorkerThreads>
        <sbs_MaxCpuCount>4</sbs_MaxCpuCount>
        <MaxLocalIOPS>2560</MaxLocalIOPS>
      </Instance>
```

```xml
    </InstanceSetting>
    <InstanceSetting name="MYSQL1600" scalefactor ="16" percoredefaults="MS">
     <Instance>
       <MaxConnectionNumber>5000</MaxConnectionNumber>
       <InnoDbBufferSizeInMb>23084</InnoDbBufferSizeInMb>
       <CacheCapacity>12582912</CacheCapacity>
       <TokenBucketTokensPerPeriod>5120</TokenBucketTokensPerPeriod>
       <sbs_MaxMemoryMb>68812</sbs_MaxMemoryMb>
       <sbs_MinMemoryMb>11468</sbs_MinMemoryMb>
       <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
       <sbs_MaxWorkerThreads>704</sbs_MaxWorkerThreads>
       <sbs_MaxCpuCount>8</sbs_MaxCpuCount>
       <MaxLocalIOPS>5120</MaxLocalIOPS>
     </Instance>
    </InstanceSetting>
    <InstanceSetting name="MYSQL2000" scalefactor ="20" percoredefaults="MS">
     <Instance>
       <MaxConnectionNumber>2000</MaxConnectionNumber>
       <InnoDbBufferSizeInMb>33084</InnoDbBufferSizeInMb>
       <CacheCapacity>20132659</CacheCapacity>
       <TokenBucketTokensPerPeriod>10240</TokenBucketTokensPerPeriod>
       <sbs_MaxMemoryMb>86016</sbs_MaxMemoryMb>
       <sbs_MinMemoryMb>14336</sbs_MinMemoryMb>
       <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
       <sbs_MaxWorkerThreads>704</sbs_MaxWorkerThreads>
       <sbs_MaxCpuCount>10</sbs_MaxCpuCount>
       <MaxLocalIOPS>7680</MaxLocalIOPS>
     </Instance>
    </InstanceSetting>
    <InstanceSetting name="PGSQL_B_Gen4_1" scalefactor ="1">
     <Instance>
       <postgres_shared_buffers>512MB</postgres_shared_buffers>
       <postgres_effective_cache_size>1536MB</postgres_effective_cache_size>
       <postgres_max_wal_size>1GB</postgres_max_wal_size>
       <postgres_min_wal_size>256MB</postgres_min_wal_size>
       <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
       <postgres_max_connections>55</postgres_max_connections>
     </Instance>
    </InstanceSetting>
    <InstanceSetting name="PGSQL_B_Gen4_2"  scalefactor ="2">
     <Instance>
       <postgres_shared_buffers>512MB</postgres_shared_buffers>
       <postgres_effective_cache_size>3GB</postgres_effective_cache_size>
       <postgres_max_wal_size>1GB</postgres_max_wal_size>
       <postgres_min_wal_size>256MB</postgres_min_wal_size>
       <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
       <postgres_max_connections>105</postgres_max_connections>
     </Instance>
    </InstanceSetting>
```

```xml
<InstanceSetting name="PGSQL_GP_Gen4_2" scalefactor ="2">
  <Instance>
    <postgres_shared_buffers>2GB</postgres_shared_buffers>
    <postgres_effective_cache_size>7GB</postgres_effective_cache_size>
    <postgres_max_wal_size>1GB</postgres_max_wal_size>
    <postgres_min_wal_size>256MB</postgres_min_wal_size>
    <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
    <postgres_max_connections>150</postgres_max_connections>
    <postgres_maintenance_work_mem>128MB</postgres_maintenance_work_mem>
    <sbs_MaxMemoryMb>6144</sbs_MaxMemoryMb>
    <sbs_MinMemoryMb>819</sbs_MinMemoryMb>
    <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
    <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
    <sbs_MaxCpuCount>1</sbs_MaxCpuCount>
    <sbs_RecoveryIntervalMin>1</sbs_RecoveryIntervalMin>
    <sbs_CheckpointRateMBps>4</sbs_CheckpointRateMBps>
    <sbs_CheckpointRateIO>80</sbs_CheckpointRateIO>
  </Instance>
</InstanceSetting>
<InstanceSetting name="PGSQL_GP_Gen4_4" scalefactor ="3">
  <Instance>
    <postgres_shared_buffers>3GB</postgres_shared_buffers>
    <postgres_effective_cache_size>10GB</postgres_effective_cache_size>
    <postgres_max_wal_size>1GB</postgres_max_wal_size>
    <postgres_min_wal_size>256MB</postgres_min_wal_size>
    <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
    <postgres_max_connections>250</postgres_max_connections>
    <postgres_maintenance_work_mem>256MB</postgres_maintenance_work_mem>
    <sbs_MaxMemoryMb>9216</sbs_MaxMemoryMb>
    <sbs_MinMemoryMb>1433</sbs_MinMemoryMb>
    <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
    <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
    <sbs_MaxCpuCount>2</sbs_MaxCpuCount>
    <sbs_RecoveryIntervalMin>1</sbs_RecoveryIntervalMin>
    <sbs_CheckpointRateMBps>4</sbs_CheckpointRateMBps>
    <sbs_CheckpointRateIO>80</sbs_CheckpointRateIO>
  </Instance>
</InstanceSetting>
<InstanceSetting name="PGSQL_GP_Gen4_8" scalefactor ="4">
  <Instance>
    <postgres_shared_buffers>8GB</postgres_shared_buffers>
    <postgres_effective_cache_size>20GB</postgres_effective_cache_size>
    <postgres_max_wal_size>1GB</postgres_max_wal_size>
    <postgres_min_wal_size>256MB</postgres_min_wal_size>
    <postgres_checkpoint_timeout>5min</postgres_checkpoint_timeout>
    <postgres_max_connections>480</postgres_max_connections>
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```xml
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```xml
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```xml
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```xml
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       <sbs_RecoveryIntervalMin>1</sbs_RecoveryIntervalMin>
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       <postgres_min_wal_size>256MB</postgres_min_wal_size>
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```

```xml
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      <sbs_MaxCpuCount>8</sbs_MaxCpuCount>
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      <sbs_MinMemoryMb>5734</sbs_MinMemoryMb>
      <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
      <sbs_MaxWorkerThreads>576</sbs_MaxWorkerThreads>
      <sbs_MaxCpuCount>16</sbs_MaxCpuCount>
      <sbs_RecoveryIntervalMin>1</sbs_RecoveryIntervalMin>
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      <sbs_MinMemoryMb>11468</sbs_MinMemoryMb>
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      <sbs_MaxWorkerThreads>704</sbs_MaxWorkerThreads>
      <sbs_MaxCpuCount>32</sbs_MaxCpuCount>
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```xml
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      <sbs_MaxMemoryMb>122880</sbs_MaxMemoryMb>
      <sbs_MinMemoryMb>11468</sbs_MinMemoryMb>
      <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
      <sbs_MaxWorkerThreads>704</sbs_MaxWorkerThreads>
      <sbs_MaxCpuCount>32</sbs_MaxCpuCount>
      <sbs_RecoveryIntervalMin>1</sbs_RecoveryIntervalMin>
      <sbs_CheckpointRateMBps>14</sbs_CheckpointRateMBps>
      <sbs_CheckpointRateIO>200</sbs_CheckpointRateIO>
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      <postgres_max_wal_size>1GB</postgres_max_wal_size>
      <postgres_min_wal_size>256MB</postgres_min_wal_size>
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      <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
      <sbs_MaxCpuCount>2</sbs_MaxCpuCount>
      <sbs_RecoveryIntervalMin>1</sbs_RecoveryIntervalMin>
      <sbs_CheckpointRateMBps>4</sbs_CheckpointRateMBps>
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```

```xml
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```

```xml
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        <sbs_MinMemoryMb>11468</sbs_MinMemoryMb>
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        <sbs_MaxWorkerThreads>704</sbs_MaxWorkerThreads>
        <sbs_MaxCpuCount>32</sbs_MaxCpuCount>
        <sbs_RecoveryIntervalMin>1</sbs_RecoveryIntervalMin>
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        <sbs_CheckpointRateIO>200</sbs_CheckpointRateIO>
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```xml
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      <sbs_MaxUserConnections>3</sbs_MaxUserConnections>
      <sbs_MaxWorkerThreads>512</sbs_MaxWorkerThreads>
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  </InstanceSetting>
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How good have you found this content?