# VigorACS Server Hardware Suggestion for 50+ Nodes

| No. of Nodes | Suggested OS | Suggested CPU | Suggested Memory Size |
|---|---|---|---|
| 50 | Windows / Linux | Intel Core i7-7567U Processor<br>4M Cache, 3.50 GHz, Cores: 2, Threads: 4 | 3 GB |
| 500 | Windows / Linux | Intel Core i7-7700K Processor<br>8M Cache, 4.2 GHz, Cores: 4, Threads: 8<br>Intel Xeon Gold 5122 Processor<br>16.5M Cache, 3.60 GHz, Cores: 4, Threads: 8 | 4 GB |
| 5,000 | Linux | IntelR Core i7-8700K Processo<br>12M Cache, 3.70 GHz, Cores: 6, Threads: 12<br>IntelR Xeon Gold 6128 Processor<br>19.25M Cache, 3.40 GHz, Cores: 6, Threads: 12 | 8 GB |
| 10,000 | Linux | Intel Xeon Gold 6154 Processor<br>24.75M Cache, 3.00 GHz, Cores: 18, Threads: 36 | 14 GB |
| 20,000 | Linux | Intel Xeon Platinum 8168 Processor<br>33M Cache, 2.70 GHz , Cores: 24, Threads: 48 | 20 GB |
| 30,000 | Linux | Intel Xeon Platinum 8180 Processor 38.5M Cache, 2.50 GHz , Cores: 28, Threads: 56 | 30 GB |

# Estimating VigorACS Storage Requirement:

The requirement of storage can be calculated by the number of nodes and the features in use.

- Influx DB data for device info (required): 20 MB per node
- Syslog (optional): about 48 MB per node, per day
- CFG backup for Vigor2960 or Vigor3900 (optional): about 250 KB per node
- CFG backup for DrayOS Routers (optional): about 25 KB per node.

For example, managing 500 DrayOS Routers with Syslog and CFG Backup daily for 1 month, the required storage size will be:

1. Influx DB data: 20 MB x 500 nodes= 10 GB
2. Syslog: 48 MB x 30 days x 500 nodes = 720 GB
3. CFG Backup: 25 KB x 30 days x 500 nodes = 375 MB
   → Total storage required: 10 + 720 + 0.375 = **730.375 GB**