VigorACS 3 Server Hardware Suggestion for 50+ Nodes

No. of Nodes	Suggested OS	Suggested CPU	Suggested Memory Size
50	Windows / Linux	Intel Core i7-7567U Processor 4M Cache, 3.50 GHz, Cores: 2, Threads: 4	6 GB
500	Windows / Linux	Intel Core i7-7700K Processor 8M Cache, 4.2 GHz, Cores: 4, Threads: 8 Intel Xeon Gold 5222 Processor 16.5M Cache, 3.80 GHz, Cores: 4, Threads: 8	8 GB
5,000	Linux	IntelR Core i9-9900K Processo 16M Cache, 3.60 GHz, Cores: 8, Threads: 16 IntelR Xeon Gold 6234 Processor 24.75M Cache, 3.30 GHz, Cores: 8, Threads: 16	12 GB
10,000	Linux	Intel Xeon Gold 6254 Processor 24.75M Cache, 3.10 GHz, Cores: 18, Threads: 36	32 GB
20,000	Linux	Intel(R) Xeon(R) Platinum 8175M Processor 33M Cache, 2.50 GHz , Cores: 24, Threads: 48	64 GB
30,000	Linux	Intel(R) Xeon(R) Platinum 8380H Processor 38.5M Cache, 2.90 GHz , Cores: 28, Threads: 56	96 GB
50,000	Linux	Intel Xeon Platinum 9282 Processor 77M Cache, 2.60 GHz , Cores: 56, Threads: 112	160 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**