

## SWG 11.7 Sizing Recommendations

### Key Points

- Sizing figures are in Requests per Second (RPS), based on a 50% CPU load and default policy with all engines enabled.
- Performance depends heavily on the final security policy as well as the choice of antivirus engine. Actual results can and will vary.

Trustwave SWG Appliance	Requests per Second V11.7	Throughput: Mbit/sec - V11.7
SWG 3000 M4	388	35
TS-250 SWG	348	31.7
SWG 5000 M4	682	61.8
TS-500 SWG	723	65.6
SWG 7000 HS22	350	32
SWG 7000 HS23	690	62.7
TS-5000 SWG (per Scanner Node)	724	65.8
SWG VM 4 core*	143	13
SWG VM 12 core*	433	41
SWG VM 24 core*	666	60
Amazon EC2 Cloud M1 Medium Instance	39	4.6
Amazon EC2 Cloud M1 Extra Large Instance	100	9
Amazon EC2 Cloud high-CPU Extra Large Instance	182	16

### General Notes

- Every 15% increase in HTTPS traffic reduces the RPS capacity by 10%
- In All-in-One installations, expect a 20% reduction in the average RPS per SWG installation
- Maximum HTTP connections: 16K
- Maximum HTTPS connections: 4K

### \*Virtual Installation Notes

- Performance numbers are based on CPU cores
- Sizing is based on the following reference VM Host specifications:

CPU	Memory	Disk
IBM X3550 M4 – CPU E5-2630 Intel Xeon 2.30GHz	16G	2X146GB SAS disks in Raid1

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