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

Legal Notice

The most current version of this document may be obtained by contacting:

Trustwave Technical Support:
Phone: +1.800.363.1621
Email: tac@trustwave.com

Trademarks

About Trustwave®

Trustwave helps businesses fight cybercrime, protect data and reduce security risk. With cloud and managed security services, integrated technologies and a team of security experts, ethical hackers and researchers, Trustwave enables businesses to transform the way they manage their information security and compliance programs. More than 2.7 million businesses are enrolled in the Trustwave TrustKeeper® cloud platform, through which Trustwave delivers automated, efficient and cost-effective threat, vulnerability and compliance management. Trustwave is a privately held company, headquartered in Chicago, with customers in 96 countries. For more information about Trustwave, visit https://www.trustwave.com.