

Trustwave SWG Sizing Recommendations

Key Points

Sizing figures are in Requests per Second (RPS), based on 50% CPU load and default policy with all engines enabled.

These numbers represent the lower end of the spectrum; actual performance depends heavily on the final security policy and can/will vary.

Trustwave SWG Appliance	RPS - 10.2	Throughput: Mbit/sec - 10.2	RPS - 11.0	Throughput: Mbit/sec - 11.0
SWG 3000 M3	122	11	128	12
SWG 3000 M4	290	27	290	27
SWG 5000 M3 6C	350	33	400	37
SWG 5000 M4	350	32	400	36
SWG 7000 HS22	187	17	190	17
SWG 7000 HS23	350	32	400	36
SWG VM 4 core*	121	11	118	11
SWG VM 1 core*	28	2	27	2

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 maximum RPS per SWG installation
- Maximum HTTP connections is 16K
- Maximum HTTPS connections is 4K

*Virtual Installation Notes

- Performance numbers are based on CPU cores
- The virtual machines were tested with a configuration of up to 4 CPUs
- Sizing is based on the following reference VM Host specifications:

CPU	Memory	Disk
M4 2xE5-6230 Intel Xeon 2.30GHz	16G	2X146GB SAS disks in Raid1

Revision History

Version	Date	Changes
1.0	December 2012	SWG 10.2 release
2.0	May 2013	SWG 11.0 release