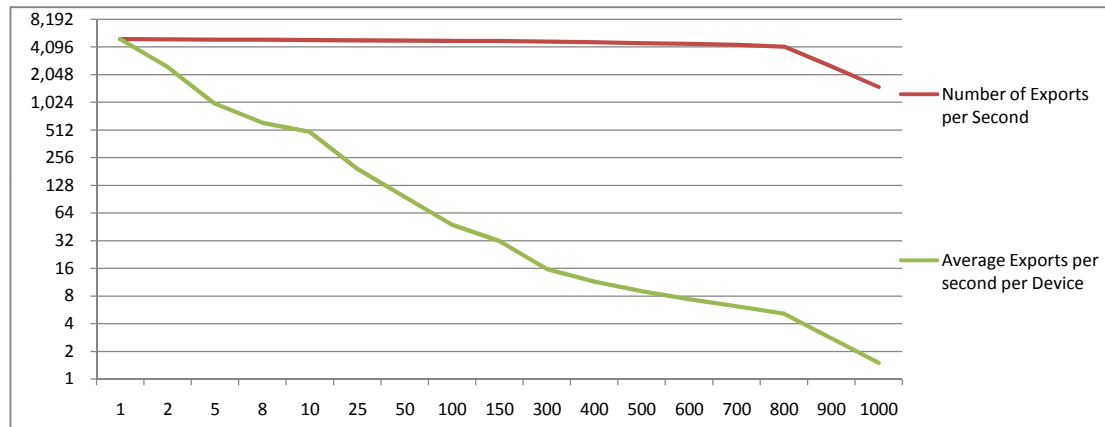


Application Performance and Scaling

Number of Devices	Max Number of sustained Exports per Second	Max Number of sustained Flows per second			Average Exports per second per Device
		V5	V7	V9	
1	5,000	145,000	135000	100000	5,000.00
2	4,970	144,130	134190	99400	2,485.00
5	4,940	143,260	133380	98800	988.00
8	4,910	142,390	132570	98200	613.75
10	4,880	146,400	131760	97600	488.00
25	4,850	145,500	130950	97000	194.00
50	4,820	144,600	130140	96400	96.40
100	4,784	143,520	129168	95680	47.84
150	4,755	142,650	128385	95100	31.70
300	4,700	141,000	126900	94000	15.67
400	4,606	138,180	124362	92120	11.52
500	4,513	135,390	121851	90260	9.03
600	4,422	132,660	119394	88440	7.37
700	4,333	129,990	116991	86660	6.19
800	4,125	123,750	111375	82500	5.16
900	2,500	75,000	67500	50000	2.78
1000	1,500	45,000	40500	30000	1.50



Produced on a Dell PowerEdge 2950 2 x Dual Core 2.33 with 3GB RAM and 300GB HDD (Read and Write buffering disabled).

This matrix was produced for Centos 4.7 Linux. For Windows 2003, 2008 Servers the statistics should be reduced by 15%.

Disclaimer: Although every effort has been made to cater for data bursts and flow floods high flow variance beyond the norm can also effect data collection performance. Due to the dynamic nature of network traffic the statistics presented above may differ in your environment and on your hardware. Care should be taken to maintaining the NetFlow Auditor software in each environment.

Note: The most important factor on a NetFlow Auditor server is the disk IO performance; We recommend placing /digitoll/tmp, /digitoll/import and /digitoll/export on a separate fast I/O partition to the database (usually /digitoll/mysql). Use high speed disks. The better your Disk performance the more NetFlow Auditor will scale.

Note: Where possible use sampling to reduce the number of flows required to be processed. This will improve the granularity and the scalability of collection. Should your device exceed 500 exports per second it is advisable to use sampling.

Due to the multi-threaded nature of NetFlow Auditor multiple processors on the server will improve performance.

The disk space required for a NetFlow Auditor installation is entirely dependent on the number of unique flows per minute. Disk space usage can be further reduced using Data Collection Tuning. 200GB will suit most environments for 7 days of Live Data and default long-term collections.

It is advisable in large environments to use Data Collection Tuning Rules when physical number of records stored per minute exceeds 6000. Data Collection Tuning has been set by default to automatically control the number of database records to be created when number of records being inserted into the database exceeds 6000 records per minute. Tuned client ports show as 70000 in reports.

Note: Future versions of NetFlow Auditor will display information directly on a performance health page to assist you in setting up and maintaining your NetFlow Collection.

NetFlow Auditor Standard version scales well beyond other software of a similar genre. If you still require a more scalable solution that the Standard Collection provided here, ask us about our Enterprise collector solution.