

TEST SPECS
List of defined test specifications
8 Testspecs

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Edit Testspec

Name * SANREN BB Throughput

Admins Users who can update this test spec

Service Type * Throughput

BASIC TEST PARAMETERS

Tool * seconds
The tool to use in performing the throughput test: `tool`

Interval * seconds
The time in between throughput tests in seconds: `test_interval`

Protocol
The transport protocol to use for the test. (Default: tcp): `protocol`

IPv4 Only
 IPv6 Only
Forces each side to use IPv4/IPv6. Test will fail if no IPv4/IPv6 address can be determined for either endpoint: `ipv4_only/ipv6_only`

Omit Interval seconds
The time to ignore results at the beginning of a test in seconds. Useful for excluding TCP ramp-up time. Note that this is added to the duration (e.g. omit_interval of 5 and duration 30 leads to a 35 second test): `omit_interval`

Duration * seconds
The length to run each throughput test in seconds: `duration`

Window Size Bytes
TCP window size (bytes). Set it to 0 to use endpoint host default: `window_size`

Slip seconds
When scheduling tasks, allow the time to vary by up to \$SLIP seconds. If left blank, this defaults to half the test interval. `slip`

ADVANCED TEST PARAMETERS

Random Start Percentage %
The percentage to randomize the start time of requests. Valid values are between 0 and 50 (inclusive). Example: interval of 7200 (2 hours) and random_start_percentage 50 means that a test can start anywhere between 1 hour and 3 hours after the previous test completes: `random_start_percentage`

Buffer Length Bytes
Length of read and write buffers: `buffer_length`

Report Interval Seconds
The sub-interval at which to report results in seconds: `report_interval`

TCP Bandwidth bps
The rate at which the tool will attempt to send TCP packets, in bits per second: `tcp_bandwidth`

Congestion Algorithm
Use this TCP congestion control algorithm: `congestion`

Max Segment Size (MSS)
Tell the tool the Max Segment Size (MSS) to use, in bytes: `mss`

Congestion Control
Use this TCP congestion control algorithm (cubic, htcp, bbr, etc): `congestion`

Server CPU Affinity
Specify which CPU socket ID to use for the server tool (useful for 40/100G NUMA hosts): `server_cpu_affinity / numactl -N ID`

TOS Bits
The type of service to set in the IP header of outgoing packets as an integer from 0-255: `tos_bits`

Latest Time Seconds
The delay in seconds after the test is requested that it is allowed to start. This may be useful on busy hosts where a test cannot be scheduled until further in the future than the default allows. Default: 50% of the interval OR the difference between the interval and duration (whichever is smaller): `latest_time`

Streams Streams
The number of parallel streams to use in the test: `streams`

No Delay
Set TCP_NODELAY option for the tests: `no_delay`

Flow Label
Set the IPv6 flow label: `flow_label / iperf3 -l`

Flow Label
Set the ipv6 flow label (integer): `flow_label`

Client CPU Affinity
Specify which CPU socket ID to use for the client tool (useful for 40/100G NUMA hosts): `client_cpu_affinity / numactl -N ID`