**Scale testing of gns-genie/http\_dump**

Refer to <https://github.paypal.com/CNS/gns-genie/tree/master/http-dump/test> for the code references.

1. **nodejs server**

* traffic.go is scaled to send traffic at the rate of 50 requests per second
* The server is set up to respond to a REST API call with the payload of 16K
* Sample Response and Results:

|  |
| --- |
| sudo ./http-dump 1958    ….  **3ec5 corresponds to the size of the payload = ~16K**  rsharma16@rsharma16:~/http\_dump\_final$ go run traffic.go  …..  Total Requests sent: **1000**  rsharma16@rsharma16:~$ grep 3ec5 /tmp/result-100rps | wc -l  **1000** |

1. **Python3 server**

* traffic.go is scaled to send traffic at the rate of **50 requests per second**
* The server is set up to respond to a REST API call with the payload of 16K
* Sample Response and Results:

|  |
| --- |
| sudo ./http-dump 6904  Text, letter  Description automatically generated  ….  **size of the payload = ~16K**  rsharma16@rsharma16:~/http\_dump\_final$ go run traffic.go  …..  Total Requests sent: **1000**  rsharma16@rsharma16:~/http\_dump\_final$ sudo ./http-dump 6905 > /tmp/result-python-100rps 2>&1  rsharma16@rsharma16:~$ grep service\_name /tmp/result-python-100rps | wc -l  **103000**  *The above number makes sense because the payload has 103 entries for service\_name. So it implies that all the responses were indeed captured.* |

1. **Python2 server**

* traffic.go is scaled to send traffic at the rate of **50 requests per second**
* The server is set up to respond to a REST API call with the payload of 16K
* Sample Response and Results:

|  |
| --- |
| sudo ./http-dump 6904  Text, letter  Description automatically generated  ….  **size of the payload = ~16K**  rsharma16@rsharma16:~/http\_dump\_final$ go run traffic.go  …..  Total Requests sent: **1000**  rsharma16@rsharma16:~/http\_dump\_final$ sudo ./http-dump 6905 > /tmp/result-python-100rps 2>&1  rsharma16@rsharma16:~$ grep service\_name /tmp/result-python2-100rps | wc -l  **103000**  *The above number makes sense because the payload has 103 entries for service\_name. So it implies that all the responses were indeed captured.* |

1. **Go Server**
   * traffic.go is scaled to send traffic at the rate of **50 requests per second**
   * The server is set up to respond to a REST API call with the payload of 16K
   * Sample Response and Results:

|  |
| --- |
| sudo ./http-dump 6904    ….  **size of the payload = 0x3071 = 12k**  *From the output it can be inferred that this also uses chunked encoding similar to nodejs.*  rsharma16@rsharma16:~/http\_dump\_final$ go run traffic.go  …..  Total Requests sent: **1000**  rsharma16@rsharma16:~/http\_dump\_final$ sudo ./http-dump 6905 > /tmp/result-go-100rps 2>&1  rsharma16@rsharma16:~$ grep 3071 /tmp/result-go-100rps | wc -l  **1000** |

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