Testing Document

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| Test # | Server/Description | Procedure/Input | Result |
| 1 | Multi-Threaded Server   * 1000 connections @ 20 requests | 1. Within client\_pt.py:  * PROC\_NUM = 500 * THREAD\_PER\_PROC = 2 * REPEAT = 20  1. Enter “python3 server\_t.py” for server 2. Enter “python3 client\_pt.py 192.168.0.10” for client | Pass |
| 2 | Multi-Threaded Server   * 2000 connections @ 20 requests | 1. Within client\_pt.py:  * PROC\_NUM = 500 * THREAD\_PER\_PROC = 2 * REPEAT = 20  1. Enter “python3 server\_t.py” for server 2. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #1) 3. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #2) | Pass |
| 3 | Multi-Threaded Server   * 3000 connections @ 20 requests | 1. Within client\_pt.py:  * PROC\_NUM = 750 * THREAD\_PER\_PROC = 2 * REPEAT = 20  1. Enter “python3 server\_t.py” for server 2. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #1) 3. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #2) | Pass |
| 4 | Multi-Threaded Server   * 4000 connections @ 20 requests | 1. Within client\_pt.py:  * PROC\_NUM = 1000 * THREAD\_PER\_PROC = 2 * REPEAT = 20  1. Enter “python3 server\_t.py” for server 2. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #1) 3. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #2) | Pass |
| 5 | Multi-Threaded Server   * 5000 connections @ 20 requests | 1. Within client\_pt.py:  * PROC\_NUM = 1250 * THREAD\_PER\_PROC = 2 * REPEAT = 20  1. Enter “python3 server\_t.py” for server 2. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #1) 3. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #2) | Pass |
| 6 | Epoll Server   * 1000 connections @ 20 requests | 1. Within client\_pt.py:  * PROC\_NUM = 500 * THREAD\_PER\_PROC = 2 * REPEAT = 20  1. Enter “python3 server\_e.py” for server 2. Enter “python3 client\_pt.py 192.168.0.10” for client | Pass |
| 7 | Epoll Server   * 2000 connections @ 20 requests | 1. Within client\_pt.py:  * PROC\_NUM = 500 * THREAD\_PER\_PROC = 2 * REPEAT = 20  1. Enter “python3 server\_e.py” for server 2. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #1) 3. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #2) | Pass |
| 8 | Epoll Server   * 3000 connections @ 20 requests | 1. Within client\_pt.py:  * PROC\_NUM = 750 * THREAD\_PER\_PROC = 2 * REPEAT = 20  1. Enter “python3 server\_e.py” for server 2. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #1) 3. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #2) | Pass |
| 9 | Epoll Server   * 4000 connections @ 20 requests | 1. Within client\_pt.py:  * PROC\_NUM = 1000 * THREAD\_PER\_PROC = 2 * REPEAT = 20  1. Enter “python3 server\_e.py” for server 2. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #1) 3. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #2) | Pass |
| 10 | Epoll Server   * 5000 connections @ 20 requests | 1. Within client\_pt.py:  * PROC\_NUM = 1250 * THREAD\_PER\_PROC = 2 * REPEAT = 20  1. Enter “python3 server\_e.py” for server 2. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #1) 3. Enter “python3 client\_pt.py 192.168.0.10” for client (on Computer #2) | Pass |
| 11 | Select Server   * 1023 connections @ 20 requests (1 thread) | 1. Within client\_pt.py:  * PROC\_NUM = 1023 * THREAD\_PER\_PROC = 1 * REPEAT = 20  1. Enter “python3 server\_s.py” for server 2. Enter “python3 client\_pt.py 192.168.0.10” for client | Pass |
| 12 | Select Server   * 2000 connections @ 20 requests (2 threads) | 1. Within client\_pt.py:  * PROC\_NUM = 2000 * THREAD\_PER\_PROC = 2 * REPEAT = 20  1. Enter “python3 server\_s.py” for server 2. Enter “python3 client\_pt.py 192.168.0.10” for client | Pass(? – during this test) – though it shouldn’t have as it’s too much for its load to handle |