

Public IP: 73.248.178.92  
Local IP: 192.168.0.100  
NIC: Intel(R) Ethernet Connection I217-LM  
Time: 5/17/2019 06:50:50 AM  
Product Key: 0LWPXU0AUX50  
Company: PHILIP C. GUTWORTH, P.A.  
StoreId: 1  
Phone Number:  
Email:  
Platform: Windows GUI  
Version: 2.2.1117-3550ad972946511b8f61ef40f54daf9701169a9e  
Geo Route: U.S. East  
Profile: Baseline

```
+-----+  
-----+  
[05/17/2019 06:50:50] Running DNS Test  
+-----+  
-----+
```

No custom DNS server configured

Servers:

Local DNS Server 1 <192.168.0.1>  
8x8 GTM Server 1 <192.84.18.11>  
8x8 GTM Server 2 <8.28.0.9>

Performing SRV query '\_sip.\_tcp.ipsbc.packet8.net'  
[Local DNS Server 1]  
Found [ip.packet8.net] 8.28.0.135:5199 (P3, W1)  
DNS SRV query successful

[8x8 GTM Server 1]  
Found [ip.packet8.net] 8.28.0.135:5199 (P3, W1)  
DNS SRV query successful

[8x8 GTM Server 2]  
Found [ip.packet8.net] 8.28.0.135:5199 (P3, W1)  
DNS SRV query successful

Performing SRV query '\_sip.\_tcp.vodsbc.packet8.net'  
[Local DNS Server 1]  
Found [vodsbc.packet8.net] 8.28.0.169:5199 (P3, W5)  
DNS SRV query successful

[8x8 GTM Server 1]  
Found [vodsbc.packet8.net] 8.28.0.169:5199 (P3, W5)  
DNS SRV query successful

[8x8 GTM Server 2]  
Found [vodsbc.packet8.net] 8.28.0.169:5199 (P3, W5)  
DNS SRV query successful

Performing SRV query '\_sip.\_tls.ipssbc.packet8.net'  
[Local DNS Server 1]

Found [ipssbc.packet8.net] 8.28.1.102:5401 (P3, W50)  
DNS SRV query successful

[8x8 GTM Server 1]

Found [ipssbc.packet8.net] 8.28.1.102:5401 (P3, W50)  
DNS SRV query successful

[8x8 GTM Server 2]

Found [ipssbc.packet8.net] 8.28.1.102:5401 (P3, W50)  
DNS SRV query successful

Performing SRV query '\_sip.\_tls.vodssbc.packet8.net'

[Local DNS Server 1]

Found [vodssbc.packet8.net] 8.28.1.102:5401 (P3, W5)  
DNS SRV query successful

[8x8 GTM Server 1]

Found [vodssbc.packet8.net] 8.28.1.102:5401 (P3, W5)  
DNS SRV query successful

[8x8 GTM Server 2]

Found [vodssbc.packet8.net] 8.28.1.102:5401 (P3, W5)  
DNS SRV query successful

Performing SRV query '\_sip.\_udp.adsbc.packet8.net'

[Local DNS Server 1]

Found [adsbc.packet8.net] 8.28.0.178:5199 (P3, W1)  
DNS SRV query successful

[8x8 GTM Server 1]

Found [adsbc.packet8.net] 8.28.0.178:5199 (P3, W1)  
DNS SRV query successful

[8x8 GTM Server 2]

Found [adsbc.packet8.net] 8.28.0.178:5199 (P3, W1)  
DNS SRV query successful

Performing SRV query '\_sip.\_udp.ipsbc.packet8.net'

[Local DNS Server 1]

Found [ip.packet8.net] 8.28.0.135:5199 (P3, W1)  
DNS SRV query successful

[8x8 GTM Server 1]

Found [ip.packet8.net] 8.28.0.135:5199 (P3, W1)  
DNS SRV query successful

[8x8 GTM Server 2]

Found [ip.packet8.net] 8.28.0.135:5199 (P3, W1)  
DNS SRV query successful

Performing SRV query '\_sip.\_udp.lssbc.packet8.net'

[Local DNS Server 1]

Found [lssbc.8x8.com] 8.28.0.44:5199 (P3, W1)  
Found [lssbc.8x8.com] 8.28.1.193:5199 (P3, W1)

Found [lssbc.8x8.com] 8.28.1.23:5199 (P3, W1)  
Found [lssbc.8x8.com] 8.28.0.137:5199 (P3, W1)  
DNS SRV query successful

[8x8 GTM Server 1]  
Found [lssbc.8x8.com] 8.28.0.137:5199 (P3, W1)  
Found [lssbc.8x8.com] 8.28.1.23:5199 (P3, W1)  
Found [lssbc.8x8.com] 8.28.1.193:5199 (P3, W1)  
Found [lssbc.8x8.com] 8.28.0.44:5199 (P3, W1)  
DNS SRV query successful

[8x8 GTM Server 2]  
Found [lssbc.8x8.com] 8.28.1.193:5199 (P3, W1)  
Found [lssbc.8x8.com] 8.28.0.44:5199 (P3, W1)  
Found [lssbc.8x8.com] 8.28.1.23:5199 (P3, W1)  
Found [lssbc.8x8.com] 8.28.0.137:5199 (P3, W1)  
DNS SRV query successful

Performing A query test <pcsbcc.packet8.net>

[Local DNS Server 1]  
Found 8.28.0.168  
DNS A query successful

[8x8 GTM Server 1]  
Found 8.28.0.168  
DNS A query successful

[8x8 GTM Server 2]  
Found 8.28.0.168  
DNS A query successful

Performing A query test <adsbcc.packet8.net>

[Local DNS Server 1]  
Found 8.28.0.178  
DNS A query successful

[8x8 GTM Server 1]  
Found 8.28.0.178  
DNS A query successful

[8x8 GTM Server 2]  
Found 8.28.0.178  
DNS A query successful

Performing A query test <ip.packet8.net>

[Local DNS Server 1]  
Found 8.28.0.135  
DNS A query successful

[8x8 GTM Server 1]  
Found 8.28.0.135  
DNS A query successful

[8x8 GTM Server 2]

Found 8.28.0.135  
DNS A query successful

Performing A query test <lssbc.8x8.com>

[Local DNS Server 1]  
Found 8.28.1.193  
Found 8.28.0.44  
Found 8.28.1.23  
Found 8.28.0.137  
DNS A query successful

[8x8 GTM Server 1]  
Found 8.28.1.193  
Found 8.28.0.44  
Found 8.28.1.23  
Found 8.28.0.137  
DNS A query successful

[8x8 GTM Server 2]  
Found 8.28.0.44  
Found 8.28.1.23  
Found 8.28.1.193  
Found 8.28.0.137  
DNS A query successful

Performing A query test <ssbc.8x8.com>

[Local DNS Server 1]  
Found 8.28.1.97  
Found 8.28.1.102  
Found 8.28.1.101  
Found 8.28.1.81  
DNS A query successful

[8x8 GTM Server 1]  
Found 8.28.1.81  
Found 8.28.1.97  
Found 8.28.1.101  
Found 8.28.1.102  
DNS A query successful

[8x8 GTM Server 2]  
Found 8.28.1.97  
Found 8.28.1.81  
Found 8.28.1.102  
Found 8.28.1.101  
DNS A query successful

Performing A query test <vodsbcpacket8.net>

[Local DNS Server 1]  
Found 8.28.0.169  
DNS A query successful

[8x8 GTM Server 1]  
Found 8.28.0.169

DNS A query successful

[8x8 GTM Server 2]  
Found 8.28.0.169  
DNS A query successful

Performing A query test <vodssbc.packet8.net>  
[Local DNS Server 1]  
Found 8.28.1.102  
DNS A query successful

[8x8 GTM Server 1]  
Found 8.28.1.102  
DNS A query successful

[8x8 GTM Server 2]  
Found 8.28.1.102  
DNS A query successful

Geo routing to the U.S. East data center

Test took 18.65 s

```
+-----+
+-----+
[05/17/2019 06:51:09] Running Ping Test
+-----+
+-----+
```

| Target          | IP               | MTU  | Min/Max (ms)  |
|-----------------|------------------|------|---------------|
| Avg/StdDev (ms) | Pkt Loss         |      |               |
| U.S. East       | <8.28.1.128>     | 1472 | 14.46/20.44   |
| 15.74/0.83      | 0/100 (0.0%)     |      |               |
| Canada          | <67.225.14.155>  | 1472 | 62.24/68.38   |
| 64.57/0.76      | 0/100 (0.0%)     |      |               |
| U.S. West       | <192.84.18.197>  | 1472 | 73.28/87.36   |
| 77.67/1.22      | 0/100 (0.0%)     |      |               |
| United Kingdom  | <217.163.57.18>  | 1472 | 80.82/94.13   |
| 85.27/1.49      | 0/100 (0.0%)     |      |               |
| Hong Kong       | <103.252.162.18> | 1472 | 207.96/216.70 |
| 209.36/1.19     | 0/100 (0.0%)     |      |               |
| Australia       | <103.239.164.18> | 1472 | 216.53/224.70 |
| 217.81/1.14     | 0/100 (0.0%)     |      |               |

U.S. West <192.84.18.197>:  
TEST RESULT : OK

U.S. East <8.28.1.128>:  
TEST RESULT : OK

Canada <67.225.14.155>:  
TEST RESULT : OK

United Kingdom <217.163.57.18>:

TEST RESULT : OK

Hong Kong <103.252.162.18>:

TEST RESULT : WARNING

Warning: Average response time is high (larger than 175 ms)!

Australia <103.239.164.18>:

TEST RESULT : WARNING

Warning: Average response time is high (larger than 175 ms)!

Test took 2 min 2.71 s

```
+-----+
|-----+
| [05/17/2019 06:53:12] Running HTTP Test
|-----+
|-----+
| HTTP Test
| Connection to 'netutil.8x8.com' <8.28.1.122:80> was
| successful
```

```
HTTPS Test
Connection to 'netutil.8x8.com' <8.28.1.122:443>
successfully upgraded to SSL!
Connection to 'netutil.8x8.com' <8.28.1.122:8443>
successfully upgraded to SSL!
```

TEST RESULT : OK

Test took 0.32 s

```
+-----+
|-----+
| [05/17/2019 06:53:12] Running NTP Test
|-----+
|-----+
| Able to sync with 'time.windows.com'
| Able to sync with 'pool.ntp.org'
| Able to sync with 'ntp.packet8.net'
```

TEST RESULT : OK

Test took 1.66 s

```
+-----+
-----+
[05/17/2019 06:53:14] Running Outbound Connectivity Test
+-----+
-----+
Running Outbound Connectivity Test on 'netutil.8x8.com'
<8.28.1.122>
```

```
- VO ports:
All required TCP ports are available!
UDP 55400-56055 : Unavailable
UDP 56195-56207 : Unavailable
UDP 56219-56417 : Unavailable
UDP 56441-56567 : Unavailable
UDP 56585-56597 : Unavailable
UDP 56609-56627 : Unavailable
UDP 56639-56687 : Unavailable
UDP 56705-56717 : Unavailable
UDP 56729-56812 : Unavailable
UDP 56933-57569 : Unavailable
UDP 57630-58326 : Unavailable
```

```
- VCC ports:
All required TCP ports are available!
All required UDP ports are available!
```

```
- VO ports (from client port 8000):
All required TCP ports are available!
All required UDP ports are available!
```

```
- VCC ports (from client port 8000):
All required TCP ports are available!
All required UDP ports are available!
```

Test took 1 min 56.94 s

```
+-----+
-----+
[05/17/2019 06:55:11] Running NAT Test
+-----+
-----+
Public IP address: 73.248.178.92
All tests passed
NAT Type: Full cone NAT
```

Test took 1.59 s

```
+-----+
-----+
[05/17/2019 06:55:12] Running System Information Test
```

```
+-----+
-----+
System           : Microsoft Windows 10 Pro
                  Intel(R)  Core(TM)  i7-4770  CPU   @
3.40GHz
                  16273 MB RAM
Java Runtime     : Unable to detect Java Runtime
version
Adobe           Flash                               Player:
$(build.FlashMajorVersion),$(build.FlashMinorVersion),$(
build.FlashBuildVersion),$(build.FlashPrivateVersion)
```

---

[\*] Ethernet Interface (Intel(R) Ethernet Connection I217-LM):

|                 |               |
|-----------------|---------------|
| Status          | Active        |
| IP Addresses    | 192.168.0.100 |
| Subnet Mask     | 255.255.255.0 |
| Default Gateway | 192.168.0.1   |
| DNS Servers     | 192.168.0.1   |
| DHCP Server     | 192.168.0.1   |
| DHCP Option 42  | Not enabled   |
| DHCP Option 66  | Not enabled   |
| DHCP Option 160 | Not enabled   |

Loopback Interface (Software Loopback Interface 1):

|                 |           |
|-----------------|-----------|
| Status          | Active    |
| IP Addresses    | 127.0.0.1 |
| Subnet Mask     | 255.0.0.0 |
| Default Gateway | -         |
| DNS Servers     | -         |
| DHCP Server     | -         |

Test took 1.82 s

```
+-----+
-----+
[05/17/2019 06:55:14] Running ALG Test
-----+
-----+
Running ALG test on 'netutil.8x8.com' <8.28.1.122>

[TCP] Client:5060 -> Server:5060
Checksums match! (Received 74971, Calculated 74971)

[TCP] Client:5199 -> Server:5060
Checksums match! (Received 74971, Calculated 74971)

[UDP] Client:5060 -> Server:5060
```



Test timed out!

[UDP] Client:5199 -> Server:5060  
Test timed out!

[UDP] Client:5060 -> Server:5199  
Checksums match! (Received 75379, Calculated 75379)

[UDP] Client:5199 -> Server:5199  
Checksums match! (Received 75379, Calculated 75379)

**ALG RESULTS SUMMARY**

One or more test did not run successfully!

Test took 1 min 40.26 s

```
+-----+  
-----+  
[05/17/2019 06:56:54] Running Media Test  
+-----+  
-----+
```

| Target         | IP               | Time | Pkt Loss |
|----------------|------------------|------|----------|
| Avg Jitter     | Avg Latency      | Err  |          |
| U.S. West      | <192.84.18.197>  | 66 s | 0/2995   |
| (0.0%) 3 ms    | 85 ms            | 0    |          |
| U.S. East      | <8.28.1.128>     | 66 s | 0/2995   |
| (0.0%) 0 ms    | 21 ms            | 0    |          |
| Canada         | <67.225.14.155>  | 66 s | 0/2995   |
| (0.0%) 1 ms    | 64 ms            | 0    |          |
| United Kingdom | <217.163.57.18>  | 66 s | 0/2995   |
| (0.0%) 4 ms    | 88 ms            | 0    |          |
| Hong Kong      | <103.252.162.18> | 66 s | 0/2995   |
| (0.0%) 2 ms    | 212 ms           | 0    |          |
| Australia      | <103.239.164.18> | 66 s | 0/2995   |
| (0.0%) 1 ms    | 222 ms           | 0    |          |

**MEDIA TEST RESULTS SUMMARY**

U.S. West <192.84.18.197>:  
TEST RESULT : OK

U.S. East <8.28.1.128>:  
TEST RESULT : OK

Canada <67.225.14.155>:  
TEST RESULT : OK

United Kingdom <217.163.57.18>:  
TEST RESULT : OK

Hong Kong <103.252.162.18>:

Warning: Average latency is high (larger than 175 ms)!

TEST RESULT : WARNING

Australia <103.239.164.18>:

Warning: Average latency is high (larger than 175 ms)!

TEST RESULT : WARNING

Test took 6 min 46.70 s

+-----+  
-----+  
[05/17/2019 07:03:41] Running Fragmentation Test  
+-----+  
-----+

| Target         | IP               | Time   | Pkt Loss |
|----------------|------------------|--------|----------|
| Avg Jitter     | Avg Latency      | Err    |          |
| U.S. West      | <192.84.18.197>  | 12 s   | 0/495    |
| (0.0%)         | 1 ms             | 84 ms  | 0        |
| U.S. East      | <8.28.1.128>     | 12 s   | 0/495    |
| (0.0%)         | 1 ms             | 21 ms  | 0        |
| Canada         | <67.225.14.155>  | 12 s   | 0/495    |
| (0.0%)         | 3 ms             | 72 ms  | 0        |
| United Kingdom | <217.163.57.18>  | 13 s   | 0/495    |
| (0.0%)         | 6 ms             | 91 ms  | 0        |
| Hong Kong      | <103.252.162.18> | 13 s   | 0/495    |
| (0.0%)         | 2 ms             | 216 ms | 0        |
| Australia      | <103.239.164.18> | 13 s   | 0/495    |
| (0.0%)         | 2 ms             | 225 ms | 0        |

IP FRAGMENTATION TEST RESULTS SUMMARY

Test U.S. West <192.84.18.197>:

TEST RESULT : OK

Test U.S. East <8.28.1.128>:

TEST RESULT : OK

Test Canada <67.225.14.155>:

TEST RESULT : OK

Test United Kingdom <217.163.57.18>:

TEST RESULT : OK

Test Hong Kong <103.252.162.18>:

Warning: Average latency is high (larger than 175 ms)!

TEST RESULT : WARNING

Test Australia <103.239.164.18>:

Warning: Average latency is high (larger than 175 ms)!

TEST RESULT : WARNING

Test took 1 min 24.58 s

```
+-----+
+-----+
[05/17/2019 07:05:06] Running Traceroute Test
+-----+
+-----+
Tracing route to netutil.8x8.com <8.28.1.122>
```

| Hop            |        | Pkt Loss    | Min   | Max   |
|----------------|--------|-------------|-------|-------|
| Avg            | Status |             |       |       |
| 192.168.0.1    |        | 0/20 (0.0%) | 0.39  | 1.39  |
| 0.91           | OK     |             |       |       |
| 96.120.75.17   |        | 0/20 (0.0%) | 7.69  | 9.78  |
| 8.81           | OK     |             |       |       |
| 68.87.214.53   |        | 0/20 (0.0%) | 7.55  | 15.43 |
| 9.15           | OK     |             |       |       |
| 68.85.62.9     |        | 0/20 (0.0%) | 9.16  | 15.83 |
| 10.71          | OK     |             |       |       |
| 68.85.35.37    |        | 0/20 (0.0%) | 9.95  | 12.62 |
| 11.50          | OK     |             |       |       |
| 68.86.90.21    |        | 0/20 (0.0%) | 11.71 | 15.19 |
| 13.42          | OK     |             |       |       |
| 68.86.85.185   |        | 0/20 (0.0%) | 12.20 | 15.20 |
| 13.90          | OK     |             |       |       |
| 68.86.85.161   |        | 0/20 (0.0%) | 15.86 | 19.40 |
| 17.87          | OK     |             |       |       |
| 68.86.86.34    |        | 0/20 (0.0%) | 13.96 | 17.43 |
| 16.45          | OK     |             |       |       |
| 66.208.233.162 |        | 0/20 (0.0%) | 15.80 | 17.25 |
| 16.39          | OK     |             |       |       |
| 8.28.1.122     |        | 0/20 (0.0%) | 15.30 | 20.45 |
| 16.50          | OK     |             |       |       |

Test took 23.14 s

```
+-----+
+-----+
[05/17/2019 07:05:29] Running Bandwidth Test
+-----+
+-----+
```

Running Download Test on 'netutil-eq.8x8.com'

Connection to 'netutil-eq.8x8.com' <162.221.236.112:80>  
was successful  
Downloading...  
Got 10485760 bytes in 4516.05 ms -- data rate of 18.58  
Mbps

Running Upload Test on 'netutil-eq.8x8.com'  
Connection to 'netutil-eq.8x8.com' <162.221.236.112:80>  
was successful  
Uploading...  
Sent 10485760 bytes in 15084.72 ms -- data rate of 5.56  
Mbps

TEST RESULT : OK

Running Download Test on 'netutil-dc6.8x8.com'  
Connection to 'netutil-dc6.8x8.com' <8.28.1.122:80> was  
successful  
Downloading...  
Got 10485760 bytes in 3015.81 ms -- data rate of 27.82  
Mbps

Running Upload Test on 'netutil-dc6.8x8.com'  
Connection to 'netutil-dc6.8x8.com' <8.28.1.122:80> was  
successful  
Uploading...  
Sent 10485760 bytes in 14866.89 ms -- data rate of 5.64  
Mbps

TEST RESULT : OK

Running Download Test on 'netutil-ca.8x8.com'  
Connection to 'netutil-ca.8x8.com' <67.225.14.155:80>  
was successful  
Downloading...  
Got 10485760 bytes in 4262.82 ms -- data rate of 19.68  
Mbps

Running Upload Test on 'netutil-ca.8x8.com'  
Connection to 'netutil-ca.8x8.com' <67.225.14.155:80>  
was successful  
Uploading...  
Sent 10485760 bytes in 15089.51 ms -- data rate of 5.56  
Mbps

TEST RESULT : OK

Running Download Test on 'netutil-uk.8x8.com'  
Connection to 'netutil-uk.8x8.com' <217.163.57.93:80>  
was successful  
Downloading...  
Got 10485760 bytes in 5013.80 ms -- data rate of 16.73  
Mbps

Running Upload Test on 'netutil-uk.8x8.com'  
Connection to 'netutil-uk.8x8.com' <217.163.57.93:80>  
was successful  
Uploading...  
Sent 10485760 bytes in 16021.66 ms -- data rate of 5.24  
Mbps

TEST RESULT : OK

Running Download Test on 'netutil-hk.8x8.com'  
Connection to 'netutil-hk.8x8.com' <103.252.162.20:80>  
was successful  
Downloading...  
Got 10485760 bytes in 10519.70 ms -- data rate of 7.97  
Mbps

Running Upload Test on 'netutil-hk.8x8.com'  
Connection to 'netutil-hk.8x8.com' <103.252.162.20:80>  
was successful  
Uploading...  
Sent 10485760 bytes in 20029.17 ms -- data rate of 4.19  
Mbps

TEST RESULT : OK

Running Download Test on 'netutil-au.8x8.com'  
Connection to 'netutil-au.8x8.com' <103.239.164.31:80>  
was successful  
Downloading...  
Got 10485760 bytes in 10799.84 ms -- data rate of 7.77  
Mbps

Running Upload Test on 'netutil-au.8x8.com'  
Connection to 'netutil-au.8x8.com' <103.239.164.31:80>  
was successful  
Uploading...  
Sent 10485760 bytes in 19097.49 ms -- data rate of 4.39  
Mbps

TEST RESULT : OK

Test took 2 min 20.74 s

```
+-----+
-----+
[05/17/2019 07:07:50] Running Bufferbloat Test
+-----+
-----+

Testing latency on idle network
Testing latency while downloading
Testing latency while uploading
```

| Test        | Pkt Loss       | Avg Jitter | Avg   |
|-------------|----------------|------------|-------|
| Latency     |                |            |       |
| Idle        | 0/1495 (0.0%)  | 0 ms       | 21 ms |
| Downloading | 0/1495 (0.0%)  | 8 ms       | 530   |
| ms          |                |            |       |
| Uploading   | 33/1495 (2.2%) | 12 ms      | 108   |
| ms          |                |            |       |

Avg bloat : 149.00 ms

TEST RESULT : Grade C (under 200 ms)

Test took 1 min 45.15 s