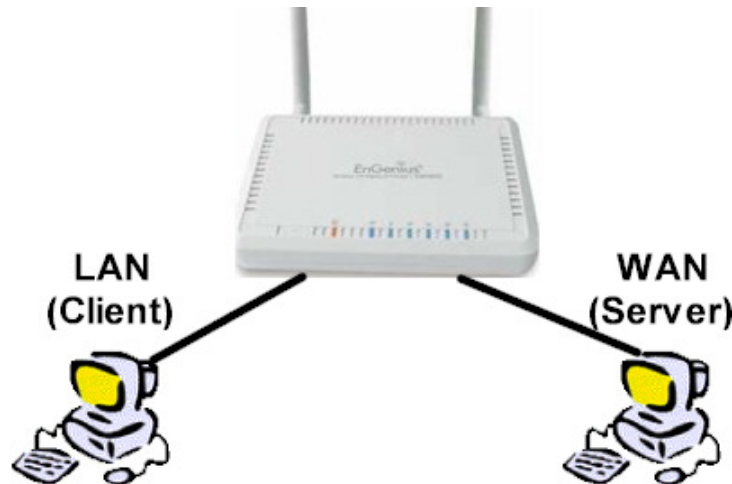




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Instructions for the Matrix21 Router Session Test Tool T. Higgins 22 March 2010

- 1) Power cycle the router under test to clear any currently open sessions.
- 2) Install *client.exe* on a Windows computer connected to the LAN side of the router under test. **Ensure that no other applications are running that will generate network traffic.**
- 3) Install *server.exe* on a Windows computer connected to the WAN side of the router under test. **Ensure that no other applications are running that will generate network traffic.**



- 4) Open a command window on the Server machine, enter the following command and press the **Enter** key:

```
server [ip_of_this_machine] 12345
```

Example: For WAN machine IP of *10.168.3.100*, command line would be:

```
server 10.168.3.100 12345
```

- 5) Open a command window on the Client machine, enter the following command and press the **Enter** key:

```
client [ip_of_this_machine] 20000 [ip_of_server_machine] 12345
```

Example: For LAN machine IP of *192.168.1.2*, command line would be:

```
client 192.168.1.2 20000 10.168.3.100 12345
```

- 6) Monitor the client.exe screen until a “No response packet” message is received. The count on the screen, minus 1, is the maximum concurrent sessions handled by the router.



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Example screenshot from the *server.exe* program

```
C:\WINDOWS\system32\cmd.exe - server 10.168.3.100 12345
C:\Documents and Settings\Tim\Desktop\max_session_tool>server 10.168.3.100 12345
http://matrix21.myweb.hinet.net
Respond UDP packets from 10.168.3.100<12345>
15356_
```

Example screenshot from the *client.exe* program:

```
C:\WINDOWS\system32\cmd.exe
C:\Documents and Settings\Owner\Desktop>client 192.168.1.2 20000 10.168.3.100 12345
http://matrix21.myweb.hinet.net
Send UDP packets from 192.168.1.2<20000+> to 10.168.3.100<12345>
15357No response packet
C:\Documents and Settings\Owner\Desktop>_
```