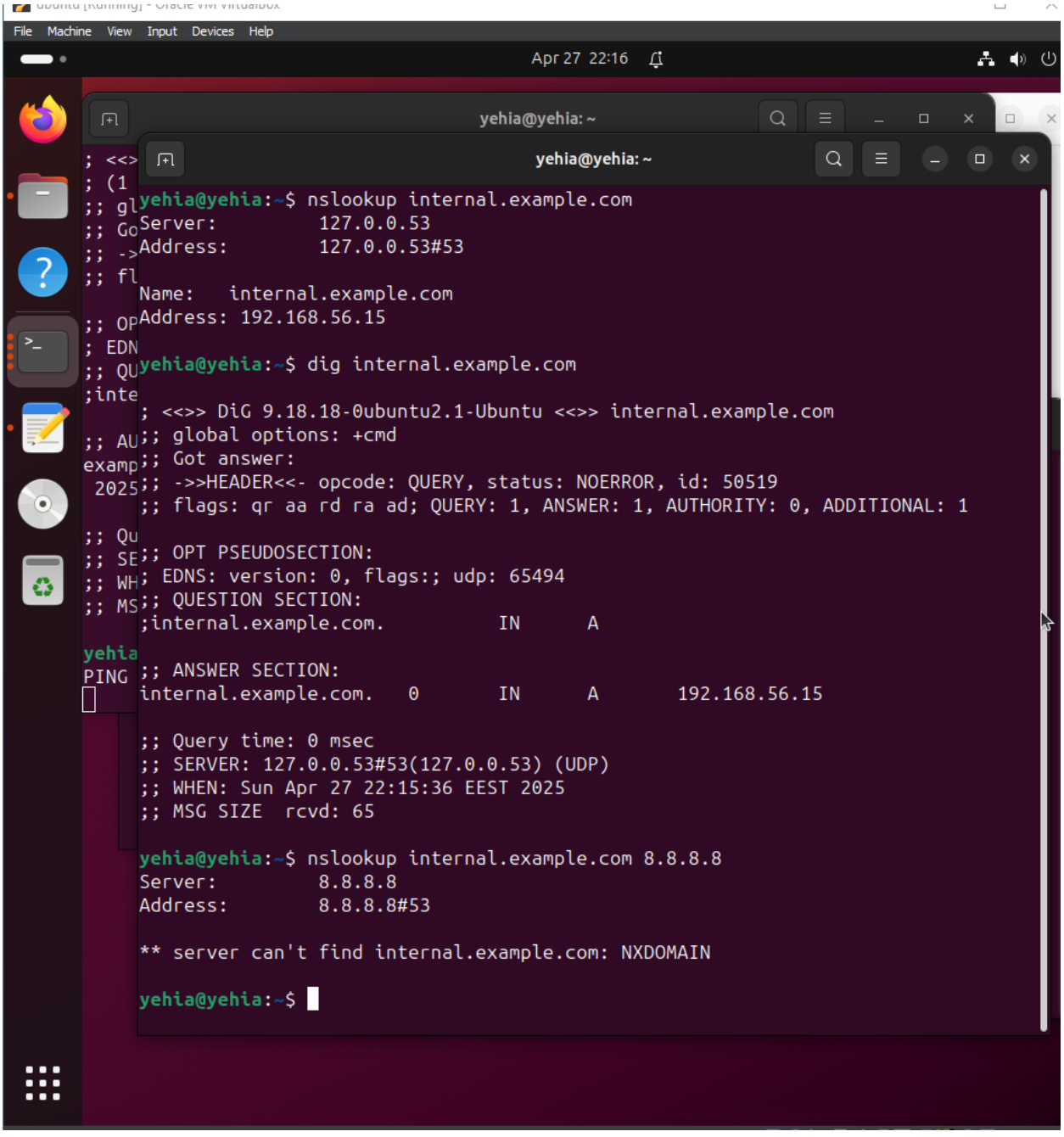
1. Verify DNS Resolution:

Check what IP internal.example.com resolves.

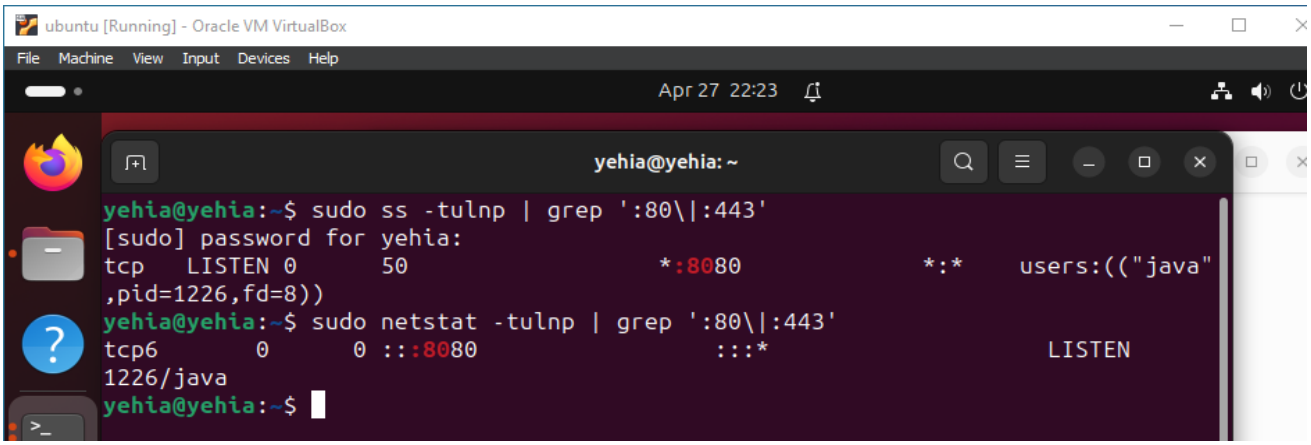


2. Diagnose Service Reachability:

Test if the service port is open for port 80 (HTTP) using

- telnet 10.1.2.3 80
- and curl to actually hit the service:
- curl -v http://internal.example.com

telent fails, so it's a network or firewall problem. Also curl fails, so it can be web server misconfiguration



There is NO service listening on port 80 (HTTP).

A. DNS Misconfiguration

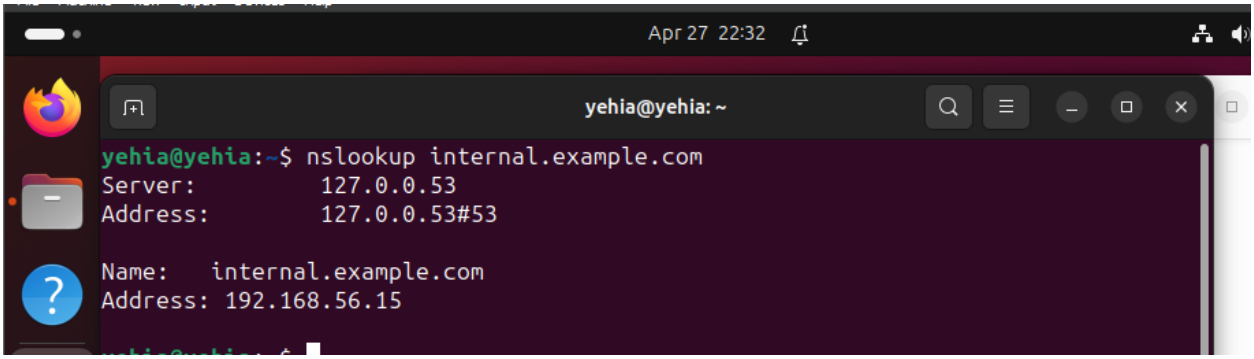
nslookup internal.example.com

If I get

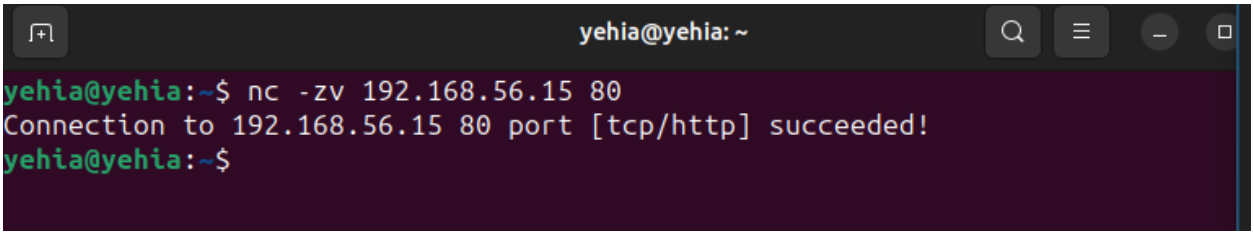
- no answer
- Wrong IP

Then DNS misconfiguration is the cause.

But from what I get, DNS is working correctly so this means DNS misconfiguration is not the root cause**.**



B. Firewall Blocking Ports



If I get:

- Connection refused
- Timed out

Then the firewall is likely blocking the ports. But in my case, firewall is not the root problem.

If firewall was the problem, I would fix it by allowing incoming connections. By using

- Sudo ufw allow <port number>
- Sufo ufw reload