# Penetration Test Report on Ubuntu

#### **G.SRI VISHNU MALLIK**

ID: HEC0020

### **Executive Summary:**

A penetration test was conducted on the ubuntu server to identify vulnerabilities. The test focused on the FTP service running on port 21.

### **Key Findings:**

FTP anonymous login was enabled, allowing unauthorized access.

FTP banner message disclosed sensitive server information.

Weak FTP credentials were vulnerable to brute-force attacks.

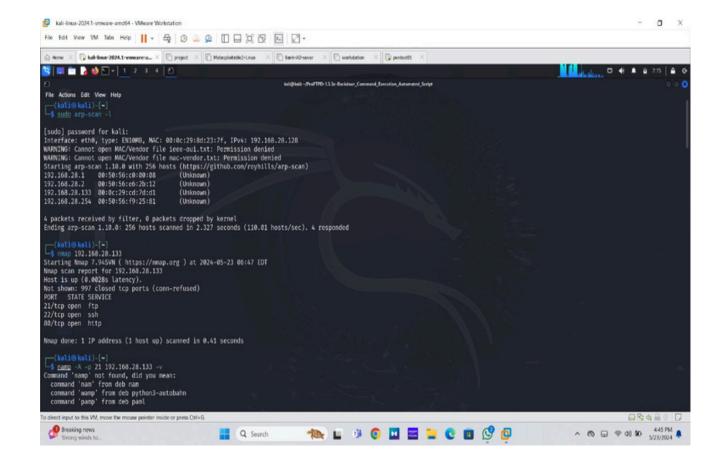
### Intelligence gathering:

Gather information about the target systems or networks using various tools and techniques, including network scanning, DNS reconnaissance, leaked credentials, code repositories, and publicly available data. Offline and onsite intelligence gathering may also uncover vulnerabilities like improper sensitive data management

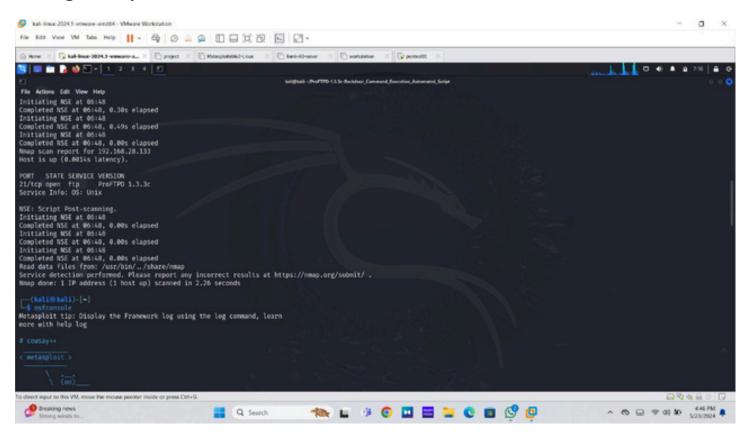
## Scanning:

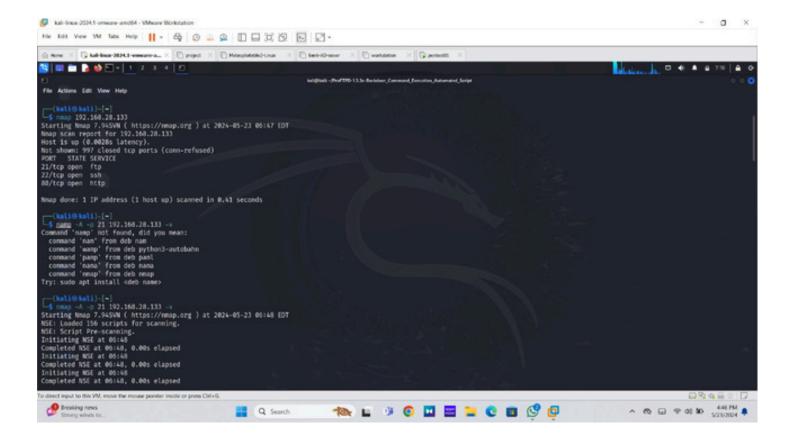
Using sudo Arp-scan -L

It shows the networks connected to the system and Ip address of the server



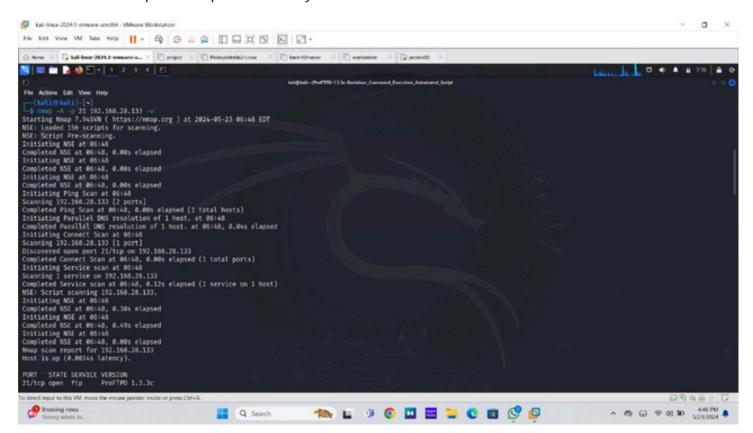
## Using nmap tool



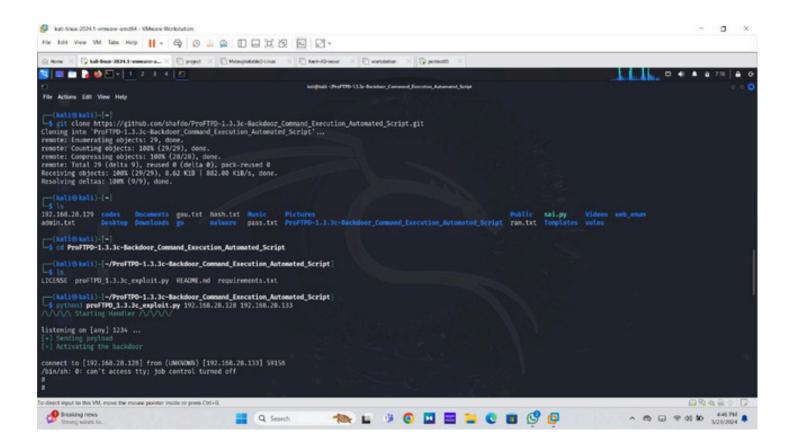


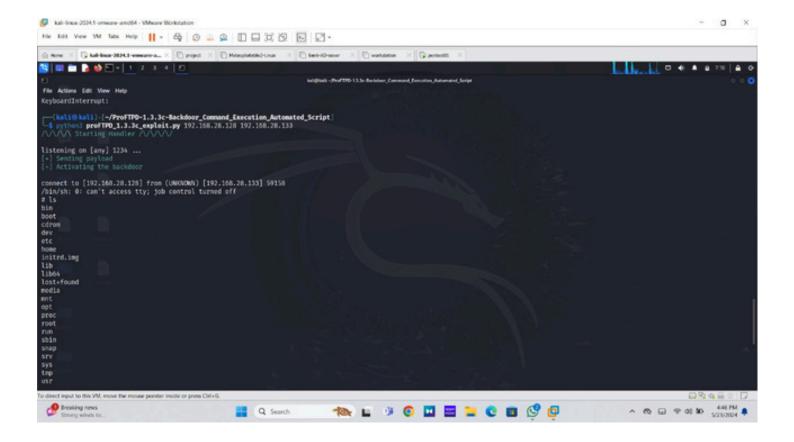
We find port numbers and service name by using nmap tool

Later we use nmap for script vulnerability



We find vulnerability at port 21 and version proftpd 1.3.3c and service is ftp Searching for exploit for proftpd by downloading the git hub repository





And finally we got shell access by using the payloads