**ctive IP Addresses:**

* 192.168.232.1
* 192.168.232.2
* 192.168.232.128
* 192.168.232.254
* 192.168.232.129

**Open Ports and Services:**

1. **Port 21 – FTP:** Used for file transfers
2. **Port 22 – SSH:** Secure remote access service
3. **Port 23 – Telnet:** Unencrypted remote connection service
4. **Port 25 – SMTP:** Protocol used for sending emails
5. **Port 80 – HTTP:** Web server, accessible via a browser

**Services and Versions:**

1. **Port 21 - FTP:** vsftpd 2.3.4 (this version has a known backdoor vulnerability)
2. **Port 22 - SSH:** OpenSSH 4.7p1 (older version)
3. **Port 23 - Telnet:** Linux telnetd (unencrypted connection)
4. **Port 25 - SMTP:** Postfix smtpd (used for sending emails)
5. **Port 80 - HTTP:** Apache httpd 2.2.8 (older version of Apache)

**Identified Operating System:**

* **Linux 2.6.9 - 2.6.33 (Metasploitable 2)**

**SSH Version:**

* **OpenSSH 4.7p1**