- *Step 1 In Cmd use ipconfig command and take the ip address.
- *Step 2 After that we are perform nmap scan using command: nmap -sS 172.90.10.0/24 for TCP SYN scan.

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Device 1: 172.90.10.15
Port Service Risk Level Recommendation
21/tcp FTP
53/tcp Domain (DNS) Moderate-High Ensure DNS server is properly secured. Disable zone transfers, restrict recursion, apply latest security patches, and monitor logs. Exposed DNS can be targeted for exploits, amplification attacks, or information gathering.

- **Explanation:**
- **Port 21 (FTP):** Standard FTP is highly insecure as it transmits credentials unencrypted. Open FTP ports are frequently targeted for anonymous access or brute-forcing.
- **Port 53 (TCP DNS):** Legitimate for DNS servers, but attackers often exploit DNS services for reconnaissance, denial of service, or data exfiltration if not properly configured.

**Device 2: 172.90.10.25*

Port Service Risk Level Recommendation
135/tcp MSRPC
Segregate network, limit access to trusted hosts. Port used for Microsoft RPC;
139/tcp NetBIOS-SSN High Should not be accessible from untrusted networks. Disable if not
in use, segment network, block on perimeter firewalls. NetBIOS can expose file
445/tcp Microsoft-DS High Critical to secure. Restrict access, patch, and disable SMBv1. Used
for SMB file and printer sharing; frequent vector for ransomware and worms

- **Explanation:**
- **Ports 135, 139, 445:** All associated with Windows networking, remote management, and file sharing.
- Exposure to untrusted networks creates a high risk for exploitation, as seen in past widespread attacks.
- These should not be open to the wider internet, and network segmentation and firewall rules are essential.

- **General Recommendations:**
 Limit exposure of these ports/services to internal/trusted networks only.
 Regularly patch operating systems and related services.
 Use encryption and secure protocols where possible (e.g., SFTP instead of FTP).
 Monitor network traffic for suspicious activity on these ports.
 Disable unused services to minimize attack surface.