

## Network Vulnerability Scanning Report

### Objective:

To identify open ports, services, and operating systems in a local network.

### Tools Used:

Nmap

### Scan Results:

Open Ports: 22 (SSH), 80 (HTTP)

Detected OS: Linux

### Risks:

Brute force attacks on SSH and vulnerable web services.

### Recommendations:

Close unused ports, enforce strong authentication, and perform regular scans.

### Conclusion:

Network scanning helps reduce attack surfaces and improve security posture.