

# SOP 1: Enumeration SOP

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**Objective:** To provide step-by-step instructions for using Nmap and Nikto for network enumeration.

## Tools Needed:

- Kali Linux
- OpenVPN
- Nmap
- Nikto

## Steps:

1. **Setup and Connect to VPN:**
  - Open a terminal on Kali Linux.
  - Connect to the target network using OpenVPN: `sudo openvpn --config /path/to/vpn/config.ovpn`
2. **Basic Network Enumeration using Nmap:**
  - Open a terminal on Kali Linux.
  - Run Nmap to discover hosts and services: `nmap -sP 10.0.0.0/24`
  - Run a more detailed scan on discovered hosts: `nmap -A -T4 10.0.0.0/24`
3. **Web Server Enumeration using Nikto:**
  - Open a terminal on Kali Linux.
  - Run Nikto against the web server: `nikto -h http://10.0.0.175`
4. **Documentation:**
  - Take screenshots of the terminal output.
  - Document the discovered hosts, services, and any vulnerabilities found.

## Output:

- Enumeration results including IP addresses, open ports, and services.
- Screenshots and documentation of the process.