Phase 1: Planning

1.1 Scope

Since we are working on **Metasploitable 2**, our focus is strictly on **network vulnerabilities**:

Service	Port
FTP	21
Rsh	512
NFS	23
Java RMI	1009
SMB	139, 445
IRC	6697
PostgreSQL	5432
НТТР	8180

Out of Scope:

- Physical security attacks
- Denial-of-Service (DoS)
- Social engineering

1.2 Methodology (Testing Approach)

We will follow the PTES (Penetration Testing Execution Standard) framework:

- 1. **Scanning & Enumeration** Gather system information.
- 2. **Exploitation** Attempt to gain unauthorized access.
- 3. Post-Exploitation & Reporting Document findings and recommend fixes.

1.3 Tools Selection

Phase	Tool(s) Used
Scanning & Enumeration	Nmap, OpenVAS, Enum4Linux
© Exploitation	Metasploit, Hydra, SQLmap
Reporting	PDF && Markdown Reports

1.4 Setting Up the Testing Environment

- **☑ Download & Install Metasploitable 2** → <u>SourceForge</u>
- **✓ Use VirtualBox or VMware** → Import Metasploitable 2
- **✓ Network Configuration** → Set to **NAT or Host-Only**