Nmap Reference Guide

• Commands:

1)nmap -p-

The nmap -p- command instructs Nmap to scan all 65,535 TCP ports on a target host. This comprehensive scan helps identify open ports, which can reveal services running on the target and potential vulnerabilities.

2)nmap -sV

The nmap -sV command is used to perform a service version detection scan on a target. It identifies open ports and attempts to determine the versions of the services running on those ports, providing valuable information for vulnerability assessment and penetration testing.

3)nmap -A

The nmap -A command enables aggressive scanning, which include OS detection, service version detection, script scanning, and traceroute. This comprehensive approach provides detailed information about the target's operating system, open ports, services, and potential vulnerabilities, making it useful for in depth reconnaissance.

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4)nmap -O

The nmap –O command is used for operating system detection on a target host. It analyzes various network characteristics and responses to identify the OS and its version, helping security professionals understand the environment they are assessing.



5) nmap -sC

The nmap -sC command enables the use of default scripts from Nmap's scripting engine (NSE) during a scan. These scripts can perform a variety of task, such as service discovery, vulnerability detection, and more, providing additional insights into the target's security posture.

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