

Commands and Scripts

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# Task 1 – Basic Network Scanning with Nmap
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# Commands Executed
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```
# 1. Check network interfaces and IP configuration on Kali Linux
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```
ip a
```

```
# 2. Perform TCP SYN scan with service version detection on the target system
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```
nmap -sS -sV 192.168.232.128
```

```
# Optional: Save scan output to a file (for documentation)
```

```
# nmap -sS -sV 192.168.232.128 -oN task1_nmap_scan.txt
```

```
# Optional: Verbose scan for more detailed output
```

```
# nmap -sS -sV -v 192.168.232.128
```