

Python_Scapy_Scripts Documentation

Introduction

Python and Scapy are used to write custom scripts for packet crafting, sniffing, and injection. This approach offers flexibility for unique network analysis and attack scenarios.

Features

- Custom packet creation and injection.
- Network sniffing and filtering.
- Protocol fuzzing and testing.
- ARP spoofing, DNS spoofing, and scanning scripts.

Installation

Install Scapy using pip:

```
pip install scapy
```

Or via system packages:

```
sudo apt install python3-scapy
```

Usage

Example: ARP Spoof

```
from scapy.all import *  
  
send(ARP(op=2, pdst="192.168.1.1", psrc="192.168.1.100", hwdst="ff:ff:ff:ff:ff:ff"))
```

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Run with sudo for proper permissions.

Disclaimer

Custom packet scripts can cause network disruptions. Use only in lab or authorized environments.

Conclusion

Python and Scapy offer limitless possibilities for network analysis, testing, and custom attack simulations.