

Forum:[Hack Forums](#)

Thread: [\[py\] Automated masscan scanning for a txt full of ip ranges](#)

Biggy_Asian - April 1, 2025, 10:32 am

I feel its stupid that masscan doesnt support file range stuff (not to what I know off anyway).

Make a file in the same dir as the py script called "ip_ranges.txt", run the script with sudo, enjoy.

Format for ranges (txt):

Code x.0/24

x.0/23

x.0/21

Output format (txt):

Code # Masscan 1.3.2 scan initiated Tue Apr 1 15:32:54 2025

Ports scanned: TCP(65535;1-65535) UDP(0;) SCTP(0;) PROTOCOLS(0;)

Timestamp: 1743521583 Host: x.179 () Ports: 9348/open/tcp//unknown//

Code import subprocess

import os

```
def read_ip_ranges(file_path):
```

```
    with open(file_path, 'r') as file:
```

```
        return [line.strip() for line in file if line.strip()]
```

```
def scan_ip_range(ip_range, output_dir):
```

```
    output_file = os.path.join(output_dir, f"{ip_range.replace('/', '_')}.txt")
```

```
    if os.path.exists(output_file):
```

```
        print(f"Scan for {ip_range} already exists. Skipping...")
```

```
    return
```

```
    print(f"Scanning {ip_range}...")
```

```
    command = ["masscan", ip_range, "-p1-65535", "--rate=100000000", "-oG", output_file]
```

```
    try:
```

```
        subprocess.run(command, check=True)
```

```
        print(f"Scan for {ip_range} completed and saved to {output_file}.")
```

```
    except subprocess.CalledProcessError as e:
```

```
        print(f"Error scanning {ip_range}: {e}")
```

```
def main():
```

```
    ip_ranges_file = 'ip_ranges.txt' # Path to your IP ranges file
```

```
    output_directory = 'scans' # Directory to save scan results
```

```
    # Create output directory if it doesn't exist
```

```
    os.makedirs(output_directory, exist_ok=True)
```

```
    # Read IP ranges
```

```

ip_ranges = read_ip_ranges(ip_ranges_file)

# Scan each IP range
for ip_range in ip_ranges:
    scan_ip_range(ip_range, output_directory)

if __name__ == "__main__":
    main()

```

Tyr - April 1, 2025, 12:53 pm

Nice. Give this a try sometime if you want to get funky. Here's an example of your script with obfuscated variable names:

```

Code import subprocess
import os

def a(b):
    with open(b, 'r') as c:
        return [d.strip() for d in c if d.strip()]

def e(f, g):
    h = os.path.join(g, f.replace('/', '_') + '.txt')

    if os.path.exists(h):
        print(f"Scan for {f} already exists. Skipping...")
        return

    # Your scanning logic here
    i = ['masscan', '-p1-65535', f, '-oX', h] # Modify with actual masscan options
    subprocess.run(i)

if __name__ == "__main__":
    j = a("ip_ranges.txt") # Input file with IP ranges
    k = os.getcwd() # Current directory

    for l in j:
        e(l, k)

```

BrothaMike - April 1, 2025, 7:41 pm

Masscan does allow you to have port ranges in a txt file as I've only been scanning it that way lol. -iL ipranges.txt does this pretty much. But this makes it much easier so thank you!

Biggy_Asian - April 2, 2025, 4:49 am

(Apr 1, 2025 07:41 PM)BrothaMike Wrote: [\[CITE\]](#) Masscan does allow you to have port ranges in a txt file as I've only been scanning it that way lol.

-iL ipranges.txt does this pretty much. But this makes it much easier so thank you!

I have never seen the -iL arg in mine, maybe I'm either on an older version or just blind but no problem.

x64x86 - April 18, 2025, 8:13 pm

(Apr 1, 2025 07:41 PM)BrothaMike Wrote: [\[CITE\]](#) Masscan does allow you to have port ranges in a txt file as I've only been scanning it that way lol.

-iL ipranges.txt does this pretty much. But this makes it much easier so thank you!

I completely agree with you. Even a child knows this)))