PERMIT STEAMEN

Date: 25/6/24 page (11.9.151 m) principle rounds (94) AIM: Insuite a code using DAN sockets to implement parker 14.2000 9 1011111

ALMOPITHM:

step 2: Import modules (scapes from crions and classes)

step 3. Define callback function (packet - callback) if packet has IP layer, extract priotocol and IPs Identify positivol type using condutions

print protocol, source and destination 11.

step 4: Pefine main () to start eniffing on a given interface.

grep 5: Run main () it soript is sun directly.

Step 6: Ferminate on usu interrupt.

Step 7: Stop.

COPE: from scapy all emport snift from scapy. layers inet import 1P, TLP, UPP, ICMP

dy. packet - callback (packet): if IP in packet[IP] ip-layer = packet[1P] psubocol = ip_layer.psubv srcip = ip-layer. serc

ast ip = ip - layer . ast

Determine the protocol

psuotocol_name =""

1F psubo(0) ==1:

psotocol_name = 'ICMP'

elif powbocol == 6:

peroborol-name = '+CP'

ely pewtocol== 17% psutocol pame= 'upp'

protocol_name = tunknown protocoll

soint parket details

resint # (F" Parotocol if protocol hame

point (f" Partous if product hame ?")

point (f" Source IP: ? sorc. ip ?")

point (f" Destination IP: ? dst-1p?")

point ("-" * 50)

def main ():

snift (lface='militi pnr=packet_callback, filter='lp', store=6)

if -name-- "- main--":

main ()

OUTPUT:

turface.

Psuotocol: TCP

Source IP: 20.247. 184.142. Destination: 172,20.10.2

Parotocol: TCP

Source IP: 20.247.184.142

Destination: 172.20. 10.2

& JK.

REJULT:

Thus the program is executed and the