1 LABOS

dmesg - Linux cenacavanje mreznih sučelja brate - napravimo bridge mestu succejima >> brete addit bro eths >> brete addit bro eths It config - konfiguracija mree nog sucelja (dooiela 1p adrese) >> if config or 0 up 192.168.1.1 retmask 255.255.255.0 7-a + sornavanie IP abrese disclient - trazimo IP adresu DHCP semena >> dholient etho route - proviera routing tablice => route add default gaterray 161. 53 19.1 Datoteka letc/resolv. conf - popuniava ju DNS duo adoije int. format: nameserver 12_adveraln

ping - provjera povezanosh nslookup-provjera ADSL eink-DNS >> nslodup www for.hr iwoonfig - konfiguracija wireless sucelja Inlist - provjera sučelja eth i wireless Netfilter je framework koji pruža skup procedura u linux kernelu za prestetanje i monipulaciju mrežnih paketa traceroute - ispis puta do odreduita notstat - Ispis altivnih veza, routing tablica, mosg veza i multicast claustra -a - Prikazi sve altivne vere

ipcalc - kalbulator 2a mashu, broadcast nmap -alat 2a istraživanje mreže

1. a) Naredba za dodjelu IP adrese: if config etho < IP> up Natedba za mijerjanje routing tablica ip tables 2 i 2a Konfiguraciju firewalla i nat-a 6) Vako radi traceroute: Saliuse paketi počensi s TTL-om velicine 1 hvataju se povratni ICMP paketi, u svakomi sljedećem paketu povećava se TTL sve od ne diostemo do krajnjeg urestaja kad ICMP vitori da rema nista 12a O REJECT - ne dozvaljava ni spajanje DROP - solbaque parete

+,Wn+2+, < (5 1 LABOS 6 lotables - administration took for IPU4 jacket filtering and NAT nout - show manipulate the 17 volte to bee - pregled firewalla - sudo 19tables -- flush drain istables + F Topisi eve sance fletriranja u firevallu disable sudo stables - P INFUT PROP FORWARD + 12 losm promot sonoini enable sudo istables + PINPI ACCEPT OUT FORW DROP IS REJECT - reject se lonist Landa Egumo Do druga strana una da jos obligamo stomet a DROP R Konsti kada želimo dobiti aromet bez doniještavanja druge strane & cini se kap da mão IP ablieba no zauseta - da je nitro ne konsti > endels disole ting traffic (1kmp) Port unreacheable " 2a ping 41>> sudo ptobles - A INPUT + P im 017 + + imep-type echo-teguest - | REJECT

niëta ne ispisuje kada klobijamo sa sudo istables - A INPUT - p icmp -- icmp - type (stired) echo-request - j DROP -11- - A OUTPUT -11- echo-reply - DROP porround enable sa sudo istables - F - docume spajanja same & jednom 19 adresom istolder - Nonly one istoisles + A only one -- ste 182 168 0 15 - ACCEPT istables - A aneigne - ; DROP - sue drugo adbagi > roude +n route - ississue IP routing tablice - n - ispisuje numeridee it adrese a ne vazive nostova > traceroute 161.53.72.23 ili traceroute minu fer mo - polarije eve korake - n - 1sto ko i route - n - ipcala 192,168.0.10 192,168.0,255 IP advers subnet mask - racina masky raspon ... radi ovaka i peale 192.168.0.10/24 - map traži aktivna sučelja u lokalnoj mrezi - sp - slip port scan after nort discovery

Thing scan

- ne trati portove nego samo autime mortove koji odgovaraju na sing sudo nmas -sp 182, 168, 0, 1/24

Tail - output the last part of the files

- n x zadnjih n linija (tail -n 10)

- n the zadnje linija spočenší od kte
tail - n +10 (sve od 10 na dalje)

2. LABOS END DEVICE: IP configuration 192.168.1.2 ili 192.168,2.2 maska posmrese: 255.255.20 192 168.1.1 Default Gateway (IP VLAN-a) 192.168.2.1 2. ZADATAK SWITCH: CLI - enable (prelazak u privilegirami EXEC mode) u globalni konfiguracijski #config t (prelazal iz privilegiramog # vean 2 (straranje VLAN 2) # end # configt # vlan 3 (stratanie VLAN 3) # end # config t # int FastEthernet 0/1 (wazak u mod kontiguracije # suitonport access vlan 2 (postaveja sučelje u access mod, tij u terjeni vlan) # end

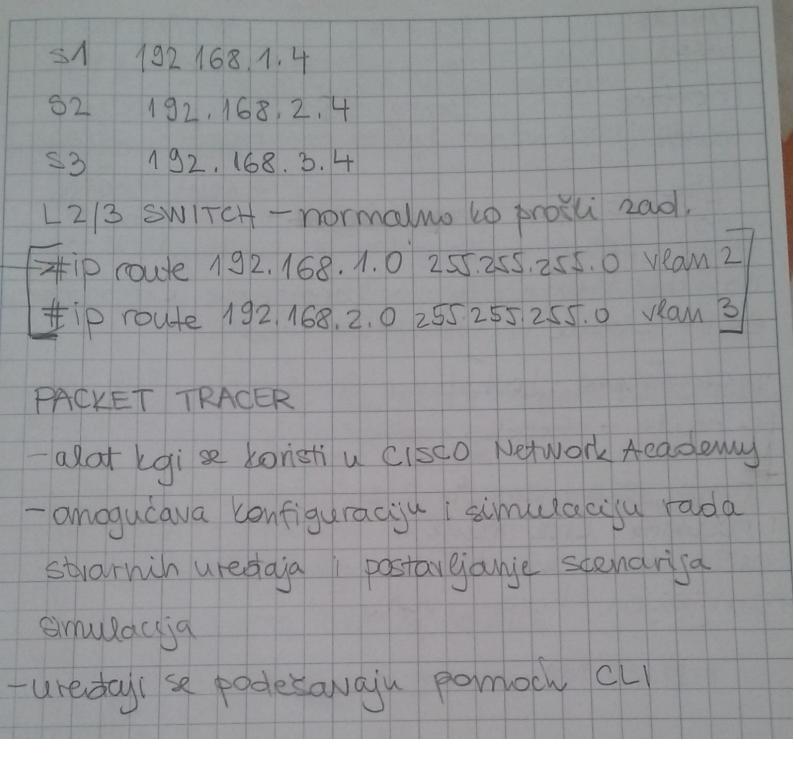
```
# config t
 # int FastEthernet 0/2
 # switchport access vlam 3
 # end
 # configure t
 # Int Past Etherned 0/3
 # switchport access vlan 2
 # end
 # configure t
 # int FastEthernet 0/4
 # switchport access vlan 3
 # end
 ROUTER (spojena 2 porta switcha)
 >enable
                              postavljanje IP adr.
 # config t
                                A i mieshe maske
# Int Fast-Ethernet 0/0
# ip address 192,168.1.1 255.255.255.0
# no shutdown
# erra
# config t
# int Fast Ethernet 0/1
# ip address 192.168, 2.1 255.255.255.0
# no shutdown
# end
```

svi paleti koji dostu na # contig t / (na successe fast Eth of one # ip route 192.168.1.0 255 255 255 0 FostEth. 90 # ip route 192.168.2.0 255.255.255.0 Fast 5th.0/1 -> na END DÉVICE Staviti Défault Gateway (1.2) TRUNKING (ZAD.3) (spajamo 1 port Switcha na vouter) SWITCH >enable # config t # int Fast Ethernet 0/1 # switchport access vlan 2 #errd # config t # int FastEthernet 0/2 # switchport access veam3 # end

```
# config t
  # int Fast Ethernet 0/3
  # Switchport mode trunk
  # end
 ROUTER
 > enable
  # config t
 # int FastEthernetO(0
 # no shutdown
 # Int FastEthernet 0/0.1 (mod konfiguracije)
 # encapsulation dot1g 2
 # ip address 192.168.1.1 255.255.255.0
 # no shutdown
 # end
# config t
# int FastEthernet 90
# no shutdown
                           tencapsulation dot192
# int FastEthernet 0 0.2
# ip address 192.168,2.1 255.255.255.0
# no shutdown
# end
#config t
# ip route 192.168.1.0 255.255.255.0 FastEth 0/0.1
# ip voute 192.168.2.0 255.255.0 FastEth 0/0.2
```

L3/2 SWITCH (2adatak 4) renable #config t # int Fast Ethernet 011 # switchport access vlain 2 # end # config t # Int Fast Ethernet 02 # Switchport access Nam 2 # config t # int FastEthernet 0/3 # switchport access years # end # config t # ip routing - ulejučujemo usmjeravanje

```
# Int Veam 2
 # ip address 102.168.1.1 255.255.255.0
 # no shut down ( 2a svaki slučaj, možda he treba)
 # end
 # config t
 # int vlan 3
 # ip address 102.168.2.1 255.255.255.0
 # no shutdown
 # end # config t
                    JODATI IP ROUTE
                       SA SU STR
 5 ZADATAK
 PC1 192 168.1.2
 PC2 192.168.2.2
 PC3 192.168.3,2
SWITCH 1 - normalmo 2a konfiguraciju
           sucelja prema PC-evima,
a sucelje prema SWITCHUZ SWIECH port
mode trunk
PC4 192.168,1,3
PC5 192.168.2.3
PC6 192. 168.3,3
SWITCH 2 - trunk prema SWITCH 1
           1 L2/3 SWITCH
```



NAREDBE login enable config t interface router line PROMPT
Router>
Router#
(Config)#
(config-if)#

MOD

Korisnidei EXEC

Privilegirani Th

globalna konf.

konf sučelja

konf. usmjeritelja

konf. usmjeritelja

show - prikaz mrežnog stanja uređaja no - povištavanje dijela konfiguracije no-nared. exit - izlazak iz tremutmog moda

ip classless - bestlasno usmjeravanje IP paketa IP route - statido postavljanje ruta

Trunk veza-između z switcha ili switcha i routera. Kroz trunk se propusta premet ha račin da se zna točno koji promet je ramijenjen kojem VLAN-u