CHI Basic Forter Contiguation

49/152 - 65,535: Ly namic or private part = fandomly generate "spe put IN 20: FTP (dola), 21: FTP (ontrol), 25: SMTP, 53: DNS [TCP/UDP], 80: WHW HTTP, 81: HUSTS 2 Name Server

Logical Addresses - IP address (IPVA) @ L3

- 5 class :: A B C / P E = ( reserved) ( monis & Dr. Max Nos Haylestation reg wired

9FITH FOOT IS MALF COST ASS. XI TUPN MAIOSON PLE OS LAN 1870 P.V.

- 11m == um/note or com => & logical name (do now name) & if unique

Physical Adresses; MAC Address - EM Ernet: 48 614 SIN 2 = 12 Englis 16 -> 1924 IIV Ox Jan 16

- nomis Tow IFEE - nimen 3 byte (29 bit) code "Organizationally Unique Identifications" + 2 M + 1. MAMAC & FINNA The NIC 2180 Elever net Levice on my & Front à 8 byte non 2 NAMAC à Same OUZ mossivera voique à 3 byte manix

or Staples

· Va cost + Sim insos dem uns Tarms que me caro hu · Groodwat + xom WVINES 180 DHC6 YES JANN 1818 LT Multicost to musiciass striamolason in ida servication on 1 Addrigag L. Interface 3. Roming A. Monoging Resource 5 secure 6 acis

RFC 1918 InternA Addr. Range

Closs B 172.16.00-172.10 255.255 172.16.00/12 Class c 192.168.0,0- 192.168.295.255 192.168.0016

Class A 10.00.0-10.255,255.255

CIDR Prefix

10.00.0/8

loader son level constitutions from I flow! I flow!

If does to m-level constitutions from I flow!

If to locates & load a default 200 yes row the PAM TETP server

RIP, OSPF, ElORP, IS-IS-> b Intermediate system)

ชื่อ-สกุล มาปัง นาวกาะกุล for staples Chapter 4 Distance Vector Routing Protocol RIPVER1 Dynamic Rouling Protocal of: share into 5- wins router, anto update routing toble when topology relieve into stitum; unbestpath pripase: en remote nul nu n'or d'. Inagel Euds a routh into, ison best part Teldest. nu. - EXERCIBERT POR PORTOR OF DAN DA, OU THIS SUNDA component of Algorithm: 98 1405: as a routing into & best park @ Routing protocol mig: Signil in relighbor & Hanilatur routing into (Lest path) statie of MAJOU WAS COMMONDY LOW LER adjuntancons & ruia nu (inina) Required or Advanced (this = conting bosic > no uniteriorion No Inning (ylanolze molos Jos commy) admin config quilal Topology change esu auto IMM: simple & complex (router in Tigir directly Limos) INH = simple & pologies Scaling Security MM IV cpo, mem (invorting into, link bond with Repurce Vage No 1441mH Route > Lest. MJIRpman Predictability Route & current topogy · Classifying Routing Protools (MYULON) Exterior Gotenny Protocol (EGP) for Staples (My 14 As) Interior Gat puny Rotocal (TGP) BGP (Border Gotenay (rotocal) - Autoromous System (As) 10 x 12 1 102 porter 1 12 11 10 1/cy Linkstate P. Distance Vector P. · complete rutopology (inevoloal) mula value as single an sporty (my Halls - Urmaroctof distance, direction] · update 1898 periodic 1. Cloubly routing P. > update one class is shope + nok - incomplete view instrutopology que routing update Intermediate System open shortest path First - Periodic uptone (SIVAN) min to Intermediate System 2. Classiess routing P. - 20 subrot nork the routing update - Convergence on numer then rulling toble 102 of router nin thinking RIP(ROTINO INDPO) IGRP (Interior Gotoray Raving Pro.) (IJ-IS) EIGRP(Enhance) Interior Gaturay Routing Pro.) Lo 2 type: nome: &IP&IGPP, Faster (#A) sillar indas wherian RIPV. 1 しんしないのいかりょうしょう) \* EIGPA OSPT

\* Metric: ning your, Ral mi Jun. To dest. Now go 15 an best park June 15 he Hop count, BH, Cost, Pelay, Lood, Reliability A Routing Protocol Metrics · Lood balancing: NW FLEGO MISSI NET metric winte > 1200 for n. 9 youlin 2: 150 molningin D Aboutistrative Distance of a fouter (AD) = 94 150x probest 94 1. routing JMI 12294: LIW NYANGOS: BY ZNE TILLA DO Bacticapar (1:1000) Longe E1666 Expersol External Interval IGRA IS-IS Route Sovice | connected | static | Internal Elepp | OSPF | RIP | Summery route ELGRA BGP Distance tector Technology most 2 23 moran @ Ventor or direction, n. 11201 dave mrs pronun w@ Distance to final Lest. (cost) Distance Vector Routing Protocol Ex. RIP, IGRP, EIGRP ENDTOLE MITO: paride (Mountainer) update meighbor (OP 9 minus), brood cost (255.255.255) update, 107 routing toble all Id update

ENDTH: MITO ! paride (Mountainer) update meighbor (OP 9 minus), brood cost (255.255.255) update, 107 routing toble all Id update

ENDTH: MITO you Routing Protocol: Me mit I'v check it I'v a / Tela? Of the to convergence => 12-17 in idea stordy state you routing Toble Mina Millarullar @ sealob: lity Mirminsoni, Tr @ Resurce wage @ Implamentation & maintenance > NMDisconflid (yenn) ( in posic configural) 10.1.0.0 for Staples & 3 stage 1 Cold stone: Roviter hital startup 10.4.0.0 @ Intitod Exchange of Lowing into - nimites insulation 3) Exchange of fanting into -> Update (bir hop count) youthy into - von conter ganginistails! · Periodic vpdate: RIP update time (default 301), Involid ther (1/2 to 13 4 bit) (default 180), D Routing Toble Maintanance Holddom three (aidom + hold To Trin upman) (defoult 180), Flush (No) times (defoult 200)

· Bounded (40 mm) Update: + 1GRP -> Update 11/1 + 1/2 5/11 · Triggered Update + Update 124 This periodic time · Rondon Jitter > graph now in the multiple acress vonter word in property is the platery is many for fordom

p the standard Dr. O Routhy Loops in when int from down of May out of the print and interest on it is usually the shopping of 4 mitrim D set mex hop=15 -> if hop=16 -> unreachable (sindam Tellian) @ holdown times (Nintfdorn > hold) IGRP ETGRP @ split Horizoo Rule > This vous update rould no int in knowpoter) RIPVI fact @ Rate Pois aring > @ madown set unroadhable @ = - Unroadhable interprison portu speed convergence slov Slow Large & B with @ > rina unreachable of one trule philhorizan Towns ip int findown (hop: 16) Scalability-size not small @ IP & 972 (Time to Line) with MISQU update Lar. D: uyanher 974 = 0 use of VLSM X Resonce wage Lon Modian Low Low implementations simple complex Silvaple maintenance On Shire class for DV = Metric = hop count = hop count 7 15 unreachable = update brodent n 130s

> encapsulated (varging upp segment invisorice bet, port 520

Transport layer

Data Link France 1 & Packet Header Upp segment Header RIP Message

Header

(512 Buta. 112 25 mode) DRIP Version 1 AD=120 > Thintf i config Triporodun update (512 Byte; Upto 25 routes) hearder Command = 1 or 2 Version = 1 Must be zero @ Response - So thto assironthy table # ipaddr. II im w class A,B,C A Bosic FIPM Contig Dus, bosic contig (D 5) routerip + n 51 nw RICcontig)# routerip RICconfig-router)# network Address farly Lutiliarle-1921 Must bezero 1 P Address (Mex work Address) - dest. Must be zero Mustbezero UMIDEN TOM Y DIMY Metric (Hops) -1-15 asmittele 11-2001 - Veritication (MTD ZOU) & trouble shooting (In Mother): Mon running - config or ip protects, debug iprip

possive into command (The update into Third asms) & (config - routes) # passive-interface into type & Falses) into-number (oro; 0/010) · Automotic Summerization : RIP anto Summerize closeful now This possize routhly table to vivi : 20 size routing update , single router 1120 2 42 125 en Multiple route 1522 fu routing toble
L voisi : This upport dis contigenous nu comojor nu 1202 ni 11 11 1200 in anu) -> 01975 that look balanchy Tax boundary Routers: summarize RIP subnet from I major no to another Processing RIP update g rink zu & rink uptote Tel cintf) in i class tul invaniul up! > Y: update subnot nu itu 172.16.1.0 Reconfiguratione & FIPVI & This on 2000 Puranting toble (10) 99=145=040= Pobal) - 0-000 default route detout into originate command > 120 explore 1196 is pilitop static + Lynamic Router noi 1-vis 2 protocol « Reconfig-router) # detault-information originate Chapter 5 RIP version 2 & Access Control Lists -KIPVZ Class ful (Ti'ds subject mask, Ti support CIDR) Classicis (update subnet mask, support variable Length subnet Mosking (vising update next hop oddr. Sunnarization (Prelix Aggregation)) not support disconfigures subnet By anthertication routing (500 for descentigmon WILLASTA) not support VISM [WSI= This subner mosk (255.255.255,255) worthy update => brood cont At the Joshu routing loop 94 split horizon or split horizon with posion reverse It trig gored update max hop count = 15 Nobina wifiPil loop bock into sping Id sip virtual int foreply to Mull into - The Known to: 151 M chand is The mosms & soon rull late -> packet discordios + timent who virtual interace EINZU IMP Frenting Static route & null inte > null inte D= 30 null in 1 illu moon vos static route vec stopday in R (config ) & ip route sunmay - static-route about - mark Null 8 JOTO! emajor-NW) - Wastotic supernet route

ชื่อ-สกุล ภาโร (เทิงงากล for staples Route redistribution (saxt) +ovint w rip I for static mini this ( for rip distate thing) - Route redistributer static verify & Test connectivity: show ip interfoce brief, ping (wa: != To, v=TiTo, = timeout), trace soute RIPVI: Class for , This is subnet most, summarize no in major no bomdories, if no tille discontiguous Relivicontis convergence ontide touting table debug ip rip (content of routing update in 1 The RIPVI DE The Jos subnet mark The NH odder. PRIPV2 I show ip protocols D Config . Enabling & verify (MT10504) RIPVE . Config FIP -> RIP VI -> EDUSATUTAT NO VILVE IM 20 10 IN VI 7 RIPV2 7 SIMSA SUL ZJ ON HA V.Z · Auto - Jumpany & PIP vz + auto sum poute is major nu boundaries - Jum route now subject mosk is is overis classful subject mosk . Lisabing Auto-Summy: no auto -summary INST= 120 Va Nu topology marille discontiguous VLSM & CIDR - Verify into in sister RIPVZ debug ip rip > VLIM > HUSING NW adds. & rubnet mark 7 CIDR > for supernething (= burch nos contiguous classful no nille addr. Invas single no) > reify dra iprovide, debug iprip Access Control List = nount my 18100x + morrosou + check -> source of while law? = 1 of the Conversation - morrosou + check -> source of while law? Packet Filtering of Odest, source in L2 @ protocol Wilt @ To nul we, in 75 3 - in Mosile Pining or block 75? Operation > Wish The seguence statement in bound ACL Joseph Sound Acl a los statement who im plicit day a block a discord for Staples + Stanlard IPV4 ACLS I Pro Aces Extendend · - check some ads. - check some & destination adds - Unit permits or devier histor protocol - Uni permits or denies specific imm: probool occes-list to permit 192.168.30,000.0.255 acress-list los permit top 192.108,30. 00.0.0255 my eg 60 - Number ACL : 1-99 & 1300-1999 -Number ALL 100-199 & 2000-2649 to wild cord - invert now subnet moste 7 0 = match (Hr, 1 = ignore 10=TraTor 3 76 m Dr. setip @ on a grafinition by infinite garbid cool mark mk. il = 0 (match range) @ bit is 1120 921 if note for Tratoros 1140 Pattern or long And a garbid wild cool 0=1 was a full > M mild cold W) subnet = 255.255, LSS. 255 - Subnet mosk 2 keyword = 0:0.0.0 = match 211 95 host Guideline for (3Ps) 7 One ACL/potocol = ctrl traffic flow on Mfl, ACL modeline Unin-protocol/enable an inte ACL (reation + One ACL/ direction = ctd traffic in 1 direction at time on mint, 11 un ACL etcl in Bout Land traffic + one ACL/interface = ALL ctrl traffic to, an intf, Ex Golo where - Extend ALL: in close source - standard ALL: in close destination a) remove all: no access - list config ACLS to standard Romer (config.) # access-life MINO no access list num # 7 x 3 9 mg Levy | pernit | remark = comment some [ some- ril cong ] [log] I No UTENOA > UTTLO # MISU sin hote Router (config =: f) # ip occess-group is remove all : no if access- group { occess - list-number | occess-list-none} for Staples UI HV + NZZ MO # WIET JAT PLINW WIND BEEN Ranter config ) # ip occess-list [standard extended] name · Verify: show if interface, show access-lists . Se curing vTy port > born quine GON IVI pernet 12M = VISI NO ME WI Ranter (config-line) # access-class accesslix number & in [Vrf-also] | on 73

> Extended: filter: source / dest odds protocol, port number

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Chatper & OSPF & DHCP
P Like - state Routing Protocol = The protocol is mossifis complete may resolutepology various unshortest park fist (SPF)
                 IMM = AL = @ longe AN @ fost convergence @ odmin on Fmil a
                 Yumou update @ learn into vos link @ soy hello neighbor @ 101 into $15513 Link-state Packet
Tumou update @ learn 1910 vou par Way on DB @ pouter wall Lip in the DB 15 day of specific all to the DB 15 day of specific and the DB 15 day of the DB 16 day 
         That: 1 startest path (1) hie morchical design (NH 9 min = 2) 20 resource (NTI: MANUT air luaren (92/2) 12/2)
          volav: DTV men Tunzstrudt link-store 150=@TV cpa lunritura @ mousiussportury Tri Burny.
       DOSPFADLID
           Los toble: 1 Neighbor showip osph reighbor 1 Topology than ip osph totalose 3 Rouths (& shortex path)
                Message -> Encapsulating: MACDEST = Multi-cost: 01-00-SE-00-05 or 01-00-SE-00-00-06
                                                              Protocol field = 89
                              > type OSPF Packet: 01 Hello-> n 105 c default: multiacress & point to point nw), 11,1300
                                                                     02 Db Description (DBD) - synchronization db info
                                                                     03 Link-state Request (LSR) -> request link-state
                                                                     04 " Update (LSU) -> Sond update Mk-state
                                                                     05 " Adenowledgment (LSACL) -> mount u Tat 120
               Operation: ZTIV ME 1804mo @ Down strte (132mu) > @ Init state (152min hello) + 3) Tho-Lay state nova subello
> Exchange state > Leading state > Full state (5=vir) vouter update vious 1500/100)
config Single-Area OSPF 12 router ospf process id > 1-65535 illulocally significant
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   OSPF COST - 9 BW MILLIAM Edefout reference BW=108
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                                                        - Fost Ethernet = foresce -bondwidh (00 ( where 108)
                                                          - Gigabit Elhernet
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                                                           - 10 6 gabit Ethernet F=100,6=10,106=1
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                             7 1 Varin BH R (confg=if) # bone width 64 (EIGRP & OSPF SINISA IVTA
                             > 1 Jan in Cost: 17
                                                                                  ip ospf cost 15625
  Verily OSPF
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                          · Relistributing on OSPF Default Fourte
  More config
                              R(centig)# 1p poute 0.0.0.0.0.0.00 lapback N
                               R (config) # router ospf process -id
                               R (config-router) # defort - information originate
           DHCP (py namic Host can + 3 wation Protocol) => more config que host quanto (18/2 ip, sub net mask, defort gaterray, drs)
           method @ Marval Allocation - admin assigntos
                          2) Automotio Allocation. DHCP A auto assign adds DIA pool & THE lease (1811) time
                          3 Dynamic Allocation: Ans ite via so no = to ip To i leave time of was loave time and reighter
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\_กระคายแผ่นที่\_4\_รหัสนักศึกษา ชื่อ-สกุล สกรีรี ไม่ริวพระคล for Staples Chapter 7 Boxic Switch Address Resolution Protocol · D LAN Design - Bordeless sw no design : Any no Tul: - Hi exorchacol, Modularity, Resiliency, flexibility D2 SAUL: (1) 3- Tier LAN Design JAG 21) (ore 2) Distribution 3) Access (2) - Tier LAN Design JAG 1) Collabora Come [ Core > OUNTEN IN 5025U BY 527 > n') Ind yeed of QUANTON nome) Larger 3 support
[ Distribution = 180405: Usis [ RE], Security Policy Access Ctrl > [ Gig/10 Giz Einernet] 1 pistibution 2) Acles I Acess => namo enddevice, Port security, VLAN, (For 1619 Ethernet), Power arest Mesnex Tosto or Thin To loger [ Regulat component => & ware is mast] PITTUR Ibarelie 11/4 - Linkoggregation + 18, The Bu device 1847 Quality of service (Qos) 5/4 THE QUELLES PURT PLAT OF THE LAN DUE DEA. 9 1 Max . for & ATTID Server O Enterprise & TTI MINIS OUR AT) -> Manis @ MOF (Moin Distribution Facility: core > modifically was (1) Horkshop S-(billed) - ADD = promo QIDF (Inter mediate P.F.: Ditribution)=71702005-1173 Cross Ruaces Manniausu Vcc(Varricol coss-connect): optical files > ANDERSIDE 1: UTP: > Distribution exacces · Collision detection issue ( itan normana jump nu) HCC (Horizonte) . Jeznetation issue a (Jumn. Ilistra) - villa fron 1 to su musidan not Pa Blandcost Trongisme spran we was land Proof esters was Uger: pload cost we all Annie Jegnantotian ille process split single collision domais someller collision domais non prusu collision un IM segment Broddiest donain surver un port but vontor (1+3) Themstiller / segment broodcost Till in 11-178002 L #2 davice I've bridgest PUN Environment 1) SH Operation (1) Leavising: Suframe 181 Mg : 1804 Source Mac Addr 21 Month port Town rust Aging Arry Lost Troy utoble 2) Aging :: 014 WO MACALLY, 7; f WA -> x ] for staples min. x 2000 { Flooding is strong con un port was in from the 1) broad cost, 2) multicost, 3) unknown unicost

for staples min. x 2000 { Formarding: x 370 dest (ATAI WUP toble) (B) Filtering: if Ta in forme Todat on particular sold dest Course Stest, un some interface) Janims fliter in SW Methods 1) Store & forward The archeck cre in error Turas in a official parto buffer 1 Cut-Through in => ( heek IAW) = UISAM ( dest source vensus to byte 150) Notice & ours buffer by 2 made : Il fort - formard w12 byte I Fragment - free ~ 64 byte :: < 64: 84 + 440 - 16:00 D Brood cost + 3 donnie in in a l'amora ou gomen in Anna l'an a some in martinia.

De Con col gent configuration Basic In Config our Boot sequence: some panter o Preparing of Basic SW Management: SwiTi is loop back: As una july SVI (SW Virtual interface) -> VLay o config SW Port > Oxplex Communication: OFNI () HOLE (SWIMO, ALL FOSISON some ALL) WIR intf -> scconfig -if) # dupler full -> scconfig-if) # speed 100 (1 dans speed) -> Anto-MDIX: Unit swo = 180 unit and con-over but mos Aridava idusignes winint +> s (config -if) # dapler auto > s (config -if) # speedanto > s (config -if) # mdix IJSM Security: Security Renote Acres > SSH (Secure Snell) TCP port 12, telnet: TCP port 13 Contig: Sc (contig)# ip donoth-name to - # crypto key generate ria - # username admin poss come + line vry 015 - line) # transportingation a-line) # login local [Verify & H: sharip sih, s how sin]

B sw Port Security > Arma policy is qui MAC Address. [Varing 1/00 1 fills

S (config -it) # switch port made acress > # switch port port-security max-address MACADO

S ecure MAC Addr. > O static: S config -it) # switch port port-security mox-address sticky > learn frame is springly recordly

Note in page. MAC Addr. > O static: S config -it) # switch port port-security mox-address sticky > learn frame is springly recordly

Note in page. MAC # switch port port - security violation protect mode for Staples O restrict : Security violation protect mode of assist (norse of have usis of staples of restrict : Security violation restrict mode of assist (norse of hault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the fault of security violation start down mode of the security violation start down mode of the security violation start down mode of security violation start down mode of the security violation start down mode of the security violation start down mode of security violation start down mode of the security violation start down mode of security violation start down mod (กาไปหมอนาดองรา ( MAE gaterray) [ verify . show part -security int took , show part -security oddres] I Addr. Resolution Rotous (ARP): ARP Cache IND MAC Aldr. To map unmillibert IPV4: Classless [ois P. 1-2]: Vorioble Legth Julyet Morking (VILM): 112311 AMI) nailtino presencisi Fixed ~: 11Lisn A MH INTALL

Chapter & LAN Redundancy & Spanning Tree Protocol (STP) P Issue with Loyer 1 Redundancy @ MAC Addr. Instability => MAC Addr. table == 12 12 ps 14TT : Washindarios D Broad cost storms = nuss Tun Truva 3 Multiple frame transmission astort: unknown unicost and 9 a destTaiso
univ frame but source is 1 frame > 570 => 90 mars: in block port-ablock is a Tigrina traffic via. (Du para cost all B as kot port > para cost min => on plant Designated port OBPDU flag (priorty) (3) ATH segment of path (ast intine >0 BID min idle designated part > on its idle brokent (DBID LOGIA)

gir B PDU (Bridge protected Lita unit) - of RB & source [802.17]

Heconty: 35 in 1: 51 ((ontig) # sponting - tree VLAN I root primary (5) Stader's Part Z 38 x 2 sa (conting) & sproming tree VLAN 1 priority 2457 LIN 49 WMAY (if (if SI, SZ (Tures) 52 (conting) # sponning-tree VLAN 1 root secondary (verify = show sponning-tree) I HUU Extended System ID: B. Priority > B. Priority > B. Priority (per VLAN) + Extended Sys ID (VLAN) + MAC Addr. : BED · PVIT + (HIMIN IN TIE EE 801.1 15TP) - IND Nº lond bolonding for 1120 root/Vlan [ Yerity: shows paning - tree active ] oropid prot - sus Alternote port (Tight book Tuling confuds visy > To us di a (Port à Taighour or link type: port a 1504 5: and a most review : - if ) & spanning - tree port fort & gar & popularies ) => config = SI Config # spinning - tree mode rapid - pret ># int nipto-p > # spanning-tree link-type Chapter 9 VLANS & Inter VLAM D WLAN = n 1 portition (112) 211011; to all was how or brood cost domain has Loyer 2 184 SMIN- PO ATS mains To in his VIAN INVIAL o you: - security of the parcent, - deroit - broadant domois isn &, - der or her D in a Multi-SWENVironment · VLAN Trunk: set w. Intf & itours with port mode trunk [verify: show int folo switch port] & Wruternace VLAN Tagoing Elvernot Frames (IEEE 862.19) : Ethernet Frame > Dest MAC | SeconAciTog | Type | Length | Data | FCS | Assignment: VLAN number of 1-1006 incounting @ vlandot (94 flosh) =7 loob- 4096 inviorting & prining -config [ hugyram) KTIN: I S (config) # vlan y lar-num > vlan ) = none To 1030ign part 9 in vlan = 151 intf a if & switch part I J # Who \_ dotabase ~ What # when run none to mode access > # switch access when DInter-VLAN Ronting - renter set The Transk Torogrammin sub interface" config Q set bosic routing (sex ip address, no shutdown) () & (config) # interforce golo ( ) => VLAN > subje) # encopsulation dot 1910 - # [prodders ip Chapter 10 MTP (VLAN Trunking Protocol)-7878 Manage VLAN & NAT (NW Addy Prostotion) OVTPIMIG: IJL or IEEE 802. Ta] - 1. monage swytp A= 1741. monage 94 domain a Operation: - nupdato vtp a: 9 rias revision number 32 bit Los smodes (1) server - con xiis, remove, remove v LAN un mill domais en 154 (1) (1) Transporent - con xiis, remove, remove as smodes (2) Client + TU VOYN MP un process, is 17 pmsg con un Trans # Conting: 2 1100 ZJEINE: 1) IN CISCO 2) # trank ito HE: Will SH 3) Madaman 4) #3 mode On global configuration S(config) & vtp version 2 => # vtp Lomain From the password poss => # vtp mode server I made one

O vlan configuration S(Vlan) # vtp v2 - made [verity: show vtp status = # vtp Server I client transporent

I Privileg & manage air traffic is a value for the force is a view Town configuration via force missy thoroward vo use Town and the privilege via server I will not track or making via the provider via server I will not track or making via the provider via server I will not track or making via the provider via server I will not track or making via the provider via server I will not track or making via the provider via server I will not track or making via the provider via server I will not track or making via the provider via server I will not track or making via the provider via server I will not track or making via the provider via server I will not track or making via the provider via server I will not track or making via server I will not t S(ylan) # vip pring - still interface -> s counting -if) # switch part trunk prinking vian remove vian-num PNAT = 110-22 por vote iper publish peal ip

Terminology: 4Types (Dlaside local Addr. Correcte ipx) Ontride local Addr (3) Insde older Addr (4) Ontride global Addr

Terminology: 4Types (Dlaside local Addr. Correcte ipx) Ontride more static local-ip global-ip

Otype: (1) static: Sinuse into [map: 140] a (1) According the protincide more static local-ip global-ip

O Quantic: A pool W3 Global (Peat ip[map. in mary em]: real Tunins it like (1) to prot pool to startip and ip Enot mark premioskipplix (5) PAT (Port Add r. Tronslotion) -> port in 12745 > Who adds. (Map: wany & 1) St. set ACL (3) ip not inside source list ACL Map pool 1 contig 3 dou 1 NAT @ INSIDE: Pleasing if ) # ip not inside @ article: Recording it # ipnot outside

\_กระดาษแผ่นที่\_\_\_\_5\_\_\_รหัสนักศึกษา 🖣 ชื่อ-สกุล ภาโร 6692คระกอ for Staples Doperation Intiol Route Discovery (MUNIL) ORI say hallo no neighbor router @ RZ 2722-25 hello or update natural 3 RI much & update into of 9 mod or work best pointe and update routing table o Metrics: BW [lowest], Delay [ == 50], feliability [horst], Lood [horst] a on value: sharinterface Default Composite Formula: The tric = [k1 "bm + ks delay] 256 complete: = [k1 "bm + (k2 "bm) + k3 delay] + ks = [ (10,000,000)] ( smot Lulary )] \*256 - R (config - router # metric weights tos ki ki kg ka ks - set bu: iviintf. > R (config-if)# bandwidth kilobits-bu-voluc · DUAL and the Topology Table ( I'v FSM ( Finite State Machine) 94 M5 1201 ( Funts) > show ip eigrap topology [all-link] + Successor(s)[nowler in 7d Lest = reighbor router in 0=1201 mis 7d Lest in 201 ml 40820 show ip route + Feasible Incressor (Fs) [11 To The & Fearible condition] = Boch up path (124 M) = 1501) + Reported Pitare (RP) [distance is neighbor of Duy report distance & Portri] = "advertised distance D + Feasible Distance (FD) [distance in Tulniss] = in distance in Aluxu Tulm Leston interior Cost lowest a dest gadalleau Tim Fest a DIPV4/sive Need for IPV6 > 11 tour ip stou sing (private ip, NAT), 9x /4 TOT of n. It suris na comeris tuce) - Migration + Pu4+ IPV6 techniques @ Durl stack = run is in it hiszului Ti no vier @ Tunnelly (Dal 9x vo but core (i support) = 115 que 12 HI=15) 11573 1 How ra 1 12 100 100 1 3 Translation (niss NAT) = IProco IPVA . Alpro Addressing = 128 bit 1100 8504 [ 1504 H2 byte = 16 bit] > represent bose 10 Mny 4 bit for Staples Oppnion 38 Filmen no IPV6 Rules - Onit Leading os : Put 11m as portetion "o" n' by manuil hi manially cook, coxx, oxxx To 9 12 493 + E80:110 = 9 x 310 mil to a ran 2= land - local ( 14 To 10 m)= la local IPrb Addr. Type Othiwst: Octobal Unicost O Link-local @ Unique Local Static ofig & 1) ipro address ipro-doll pretix-length & hoshitdan 1 Multicost 1 Anycost wis To more device I Prio Prefix Length = 0-128, most Lans is 1 bt bac LANISARO 64 612 New + ho poddr. exit interest of 5/5 to I pub Routing config static route & (confo) # pro pate pro-pretix/pretix-length & pro-addr lest intf} ] R (config ) # ipub route I show contig It sice routing port iput unicast -routing INO INO INO TON KUIL Voity : man ipro rouse state, show iproute ipro, show running - contig section iprovonte Default static I Pro Poute Recorded to pub route: 10 & 1946 - addr. / exit-inf3 rethorh compand: with > 1016 corp As-# resty shar ip ub parte state but possive - Interface of 03/1/17/194 gold contigue into cartis E162P for IPub for staples R (config +tr) It eigrp router ip 2-00.0 7 5/11/1/19/4 Verfy: show ipro eigrp reighbor, shurip Vo protosis · R (config-rtr) to shuttern

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Chapter 11 EIGRP Pyb Routing PEIGRP (Enhanced IGRP)
achiracteristics (ANGN-15- )
Boxic Features A lise - proprietory (97311110W)=) protocol voscios ila Tictoria 1992
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Dual (Diffusily Update Algorithm) = Mish of loop-free d brokup poth is mun visioning donoting and best path
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VESTabloring Neighbor = 1504 n. 24 phó ru directly connected ElGRP rovacu
                         = Adjacencies are used to track the status of these reighbor.
Reliable Transport Protocol: RTP provides deliver of FIERP pocher to neighbors
Adjacencies
                           = RTP and neighbor adjacencies are used by Durk (Mcn. maintain)
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EIGRA con update
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     3 mountain EIGRP neighbor and topology tide
     O al work netric is 98 Dud O 1 FORMO DIAL 112- pounts table
     O implement filtering and access lists of his reductionation with other bouting probable
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       The true is of the application layer to mouton ways may fire vos EIGRP
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O feliable prober require explicitic (fails) och modet. O Vilote Query Reply
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Imperient EIGRP for IPv4
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Configure: Recorfig ) # souther eight As -#
            Reantis router) # eigry router-id
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