__________กระคายแผ่นที่_____รหัสนักศึกษา **ปีปีปีปี** กาญจน ชื่อ-สกุล_

for Staples

for Staples

DNS / HTTP Application Layer

Transport Layer

UDP / TCP

IP/ICMP

Network Access Layer Ethernet

Unicast MAC

Internet Layer

Unique Address single destination

CMP IPconfig .

Broadcast MAC

FF-FF-FF-FF-FF

Multicost MAC

Multi South Multi devices

224.0 - 239.255.255,255

Port 0-65535

1024-49151 Register

Command Structure

Prompt Command

space Keyword

show Switch >

IP

Connect Devices

Ex

Device

interface Fa 010 B0/0/0

192.1681.1

192.168.1.1

Subnet 255,255,255.0

R2

R1

Fa 0/0

501010

PC1

192.1681.10

PCZ

Basic Router Settings

- -Nome : host name name
- Secure : enable secret Passavord
- Configure banner: banner moted * text *
- interface : interface type slot/port
 - -address : 17 address 255:255.255.0
 - no strutdown
 - clock rate 56000
- Loopback : interface loopback number

if address xxxx yyyy

for Staples

for Staples

for Staples

MAN blomoin vos Rip V:1 - V. 2

RIPV1 - 22 6622 Classful Protocol (22 x2 Sub Net)

- ใป ชนับสมุน VLSM , Pis contiguous subnets

- War Subnet

- อัพธตุรธบบ Broad cast (อัพธตา สมาชาทุกตร์)

RiPV.2 - Libbun Classless (às subnet)

- Dulam Hop

- ชื่อง อัพเลศ แบบ Multicon (อัพเลก เอก ตัวก็มีมี)

- 88 Missous Option (RIPVZ, EIGRP, OSPF, IS-IS, BGP

Limitation Ripvi

NO support VISM, CIDR

Configuring RIPV2

* router rip

* Version 2

Check by * show IP Protocols

5011

2 2 * RIPV2

- มีงอัน เภท

- Max 15 Hop

- split Horizon

Message Formats

Version 2

Command = 1,2	Vers	ion 1	Most be 0
Address 2: IP:	R	loute]	ag Must be 0
IP ADDRE	55		
zero s	ubNe	+	
	Next		
-	lup	1.5	

CIDR

Dynamic

Contiguration asin ba dass

Knowledge Advanced

Topology Auto

Scaling simple/complex

Security Less secure

Resource CPU, memory

Predictability Current Static

boin on a Network Size

อีมมีอะอิรพิเศษ

Required Admin

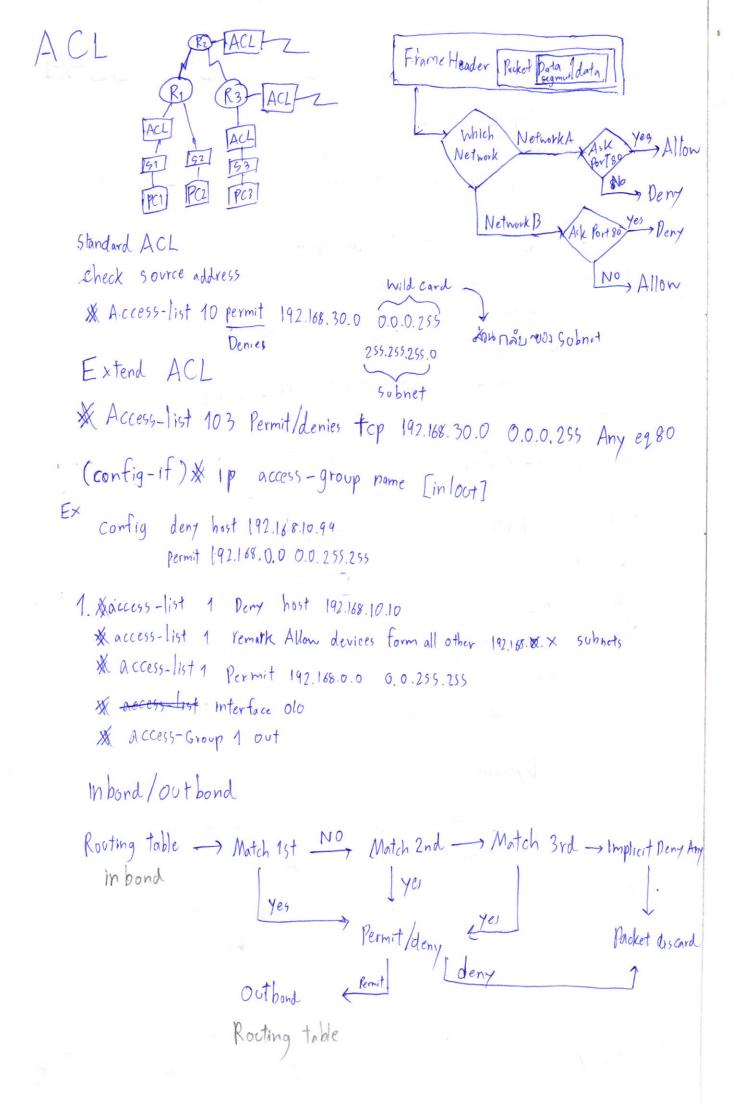
Suital ble

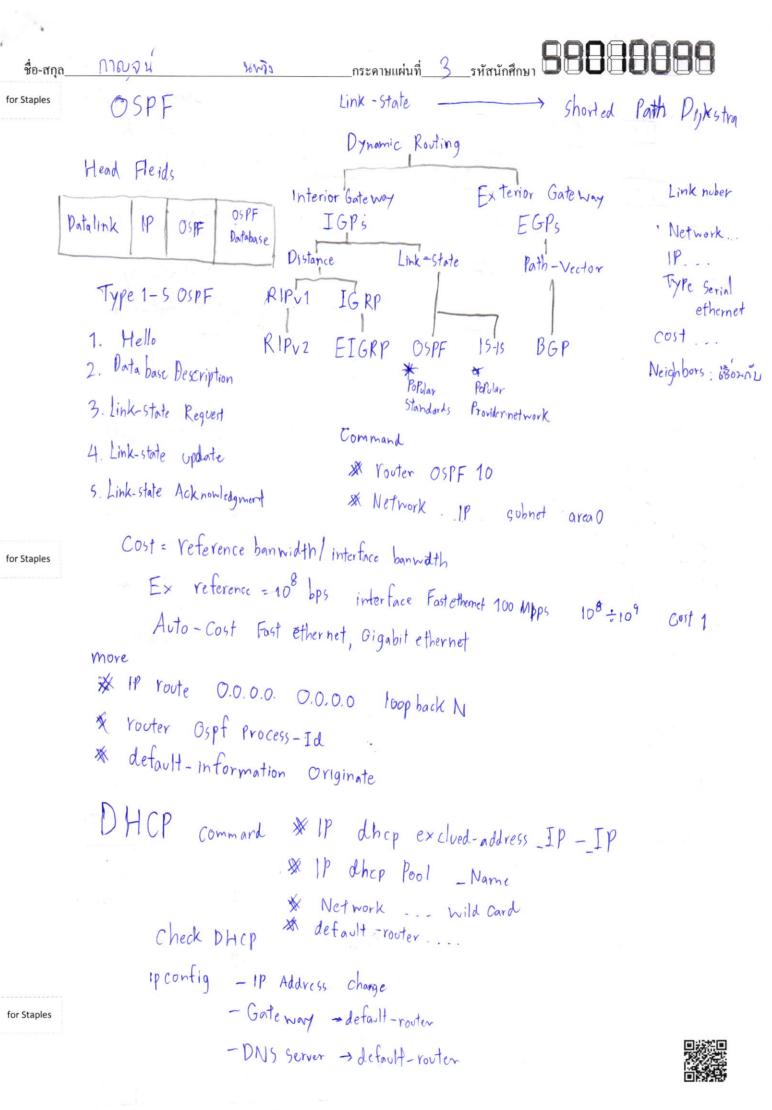
More Secure

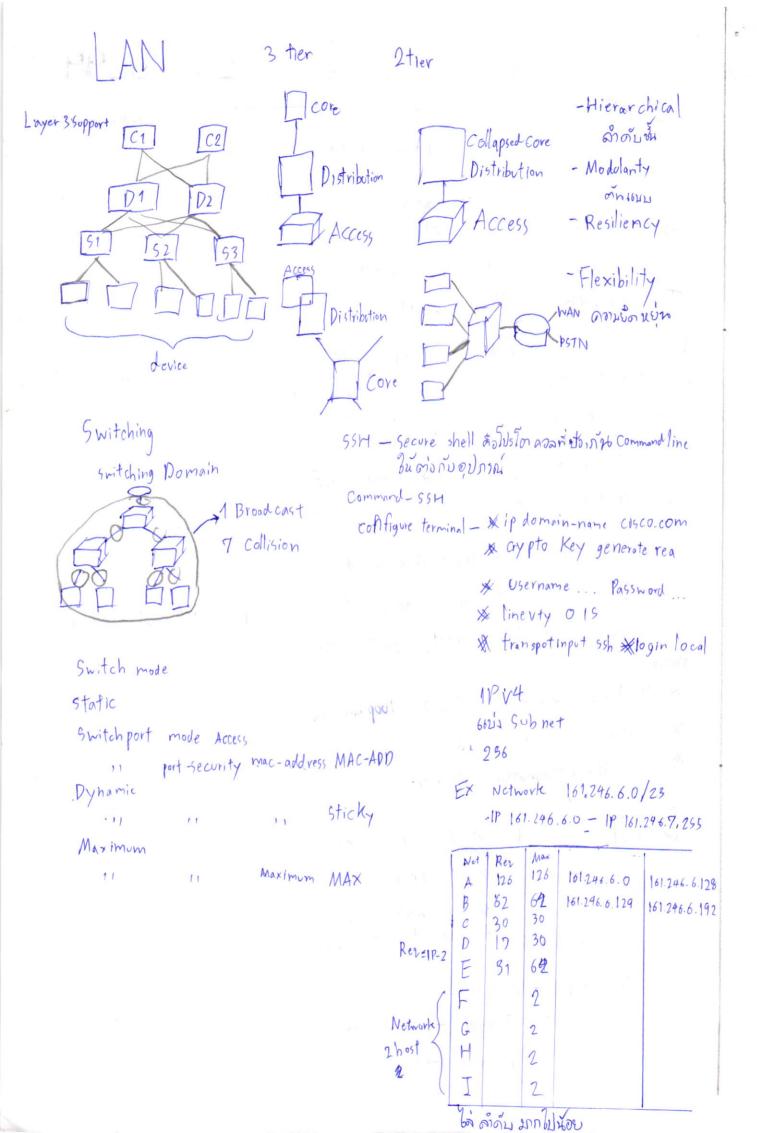
No extra

Route Destination









%W21 กระคายแผ่นที่ 4 รหัสนักศึกษา **866** for Staples VLAN (virtual LAN) ms on in Switch Bus on VLAN (config) Interface Fa 0/1 * Snitch port mode Access * Switchport access Vlan 20 - Check * show Vlan Brief 2511 Trunk of Woson on Ms 680215= uons Switch interface Fa 0/X Switch port mode trunk Msm Sub Interface for Staples interface Fa 0/0.10 description Vlan 10 en capsulation dotte to IP Address * show vtp staus Check Version VLAN contig global config Vlan database VTP Version 2 VTP V2-mode VTP Mode server VTP server Feature Client transparent for Staples Source VTP Listen to VTP Create VLAY

Remember VLAN

VTP Prunning 6232 Network bandwidth 62000 Ms or or vo vo 22 X VLAN Database * VTP fruning * interface for olx * Switchport trunk Pruning Vlan remove <u>Vlan-id</u> NAT motor Private Address Publicia = on oth and In Phanes Switch Nik -Inside local - Outside local 4 Type -Inside global _ outside global Static NAT Config NAT - on 66UN One to One local, global Address Static - Inside onoi britis Outside for * IP not inside Source static local-ip global-ip Dynamic NAT - อกับอกโนม์ค่า min public pool (IP สอกใน) * interface fa olx - Public Address oron to in wosu * interface facilx as an incide NAT inserface * IP nat inside PAT, NAT - NAT 1:1 - PAT 1: Mnny Outside sinu inside ประโยชน์ของ NAT - bin Flexibility von Public Network - มีคลามปลอด กับ ชั้น - Conserves the legally registered addressing scheme | * up not pool Name start-ip end-19 & Access tist Nom Permit Source 910620 * IP nat inside Source list Non pool name - คอามสามารถต่ำลา - End to End function, if traceability * that inside & Ipnat outside - ปรับผลายก

Check static: show ip not translations
show ip not statistics

Dynamic: show ip not translations verbose
: show ip not statistics