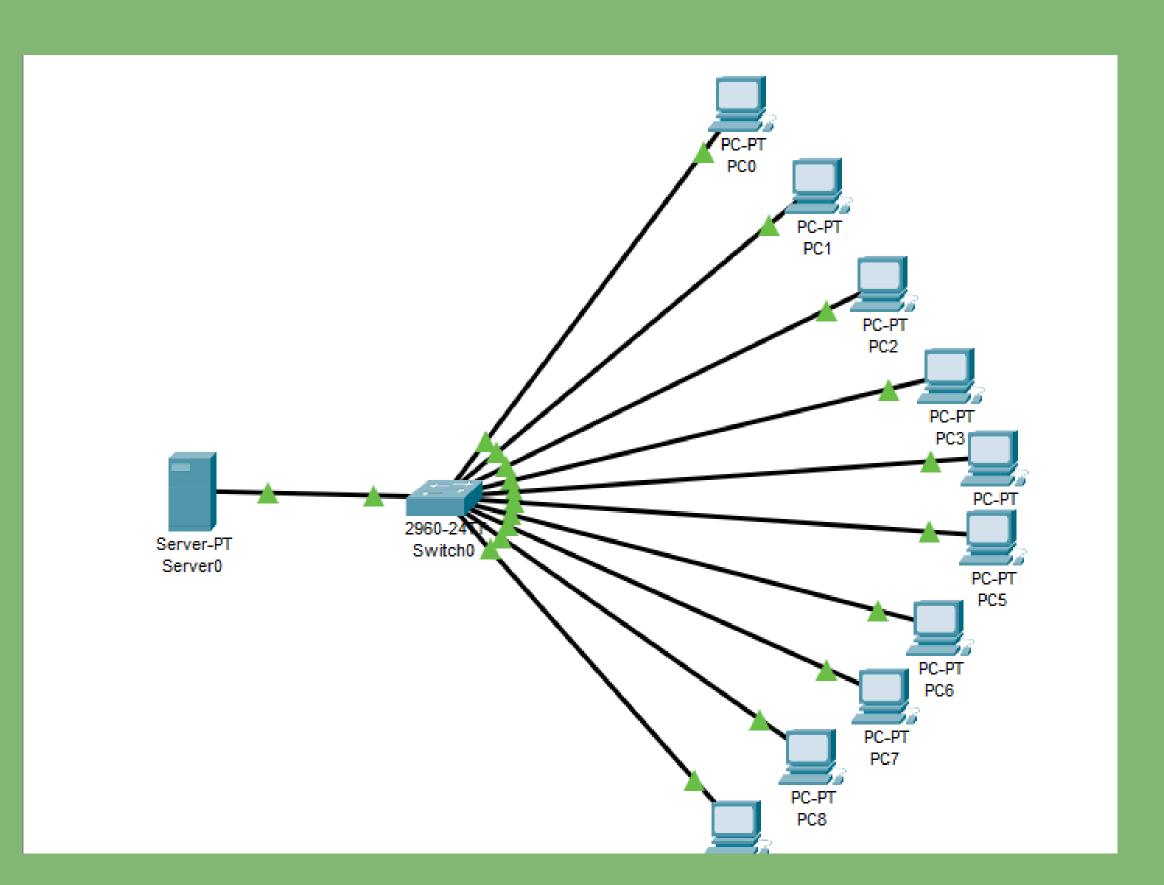


HOW TO CONFIGURE A NETWORK WITH CISCO PACKET TRACER

1.

MEMBUAT TOPOLOGI JARINGAN Menambahkan perangkat



Tambahkan 10 pc client,1 switch 24 port, dan server

2.

SET UP DHCP Mempersiapkan DHCP

DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
IoT
VM Management
Radius EAP

Interface	Fasi	Ethernet0	V 5	service	On		○ Off	
Pool Name				Kenzo				
Default Gateway				0.0.0.0				
DNS Server				0.0.0.0				
Start IP Address :	10	209			17		1	
Subnet Mask: 255	5	255		[255		0	
Maximum Number o	of Users :			255				
TFTP Server:				0.0.0.0				
WLC Address:				0.0.0.0				
Add			Sav	е			Remove	
Pool Name	Default Gateway	DNS Server	Star IP Addre		Subnet Mask	Max User	TFTP Server	WLC Address
			IP Addre	ess		User		
Name	Gateway	Server	IP Addre	ess .1 25	Mask	User	Server	Address

Pilih dhcp di tab services lalu buat dhcp pool dengan konfigurasi seperti di gambar

KONFIGURASI PC CLIENT UNTUK DHCP mengaktifkan dhcp pada pc client

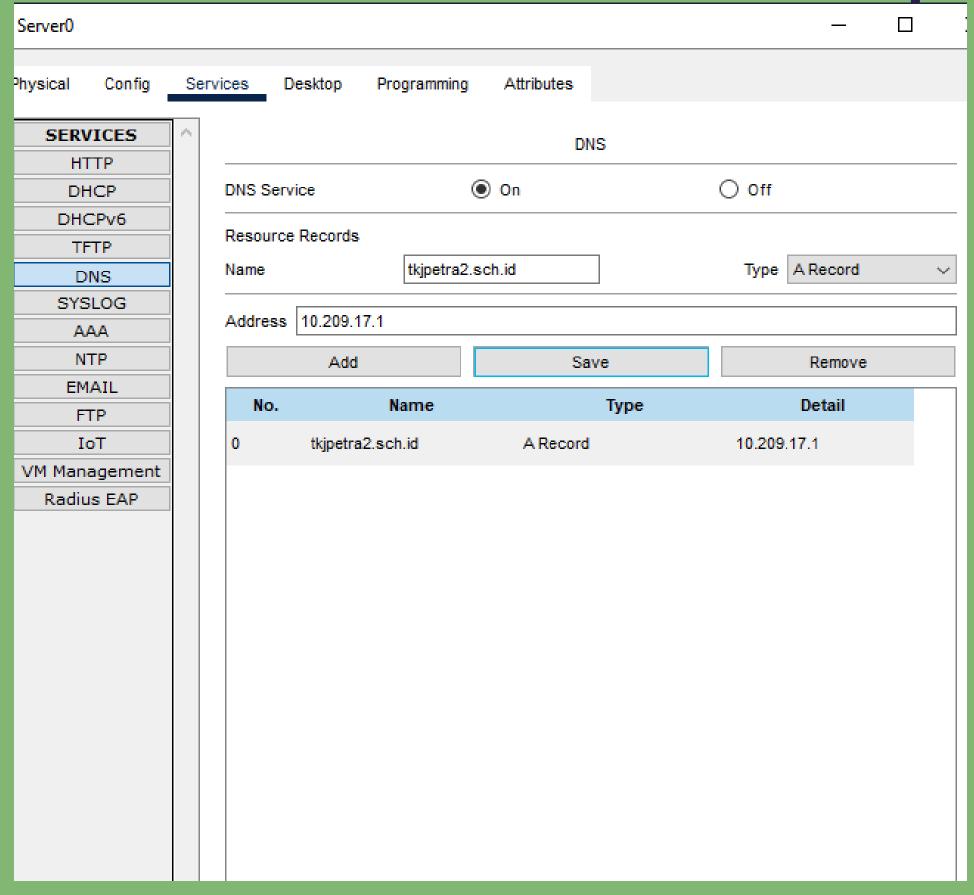
Physical Config D	sktop Programming Attributes	
Configuration		Х
	thernet0	4
IP Configuration		
• DHCP	○ Static	
IPv4 Address	10.209.17.2	
Subnet Mask	255.255.255.0	
Default Gateway	0.0.0.0	
DNS Server	0.0.0.0	
IPv6 Configuration		
O Automatic	Static	
IPv6 Address		1
Link Local Address	FE80::290:21FF:FED9:491C	
Default Gateway		
DNS Server		
802.1X		
Use 802.1X Security		
Authentication	MD5	V
Username		
Password		

pilih dekstop lalu buka ip config dan aktifkan dhcp

4

KONFIGURASI DNS

menambahkan dan mempersiapkan dns service



pilih services lalu dns isi nama dengan tkjpetra2.sch.id address dengan ip server

5.

KONFIGURASI EMAIL

menambahkan dan mempersiapkan email service

	EMAIL	
HTTP	SMTP Service	POP3 Service
DHCP	SHITI SCIVICE	TOTO SCIVICO
DHCPv6	● ON OFF	ON OFF
TFTP		
DNS		
SYSLOG	Domain Name: tkjpetra2.sch.id	Set
AAA	User Setup	
NTP	User Password	
EMAIL		
FTP	user1	
IoT	user2 user3	
VM Management	user4	
Radius EAP	user5	
	user6	
	user7	
	user8	+
	user9 user10	
		_
		Change
		Change
		Change

pilih services lalu email lalu isi domain dengan nama dns lalu tambahkan 10 user agar setiap client dapat user

UJI KONEKSI •lakukan ping pada pc server dan client

```
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 10.209.17.1
Pinging 10.209.17.1 with 32 bytes of data:
Reply from 10.209.17.1: bytes=32 time<1ms TTL=128
Reply from 10.209.17.1: bytes=32 time<1ms TTL=128
Reply from 10.209.17.1: bytes=32 time=1ms TTL=128
Ping statistics for 10.209.17.1:
    Packets: Sent = 3, Received = 3, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
Control-C
C:\>ping 10.209.17.3
Pinging 10.209.17.3 with 32 bytes of data:
Reply from 10.209.17.3: bytes=32 time<1ms TTL=128
Ping statistics for 10.209.17.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

ping ip server dan pc client

UJI AKSES WEBSITE

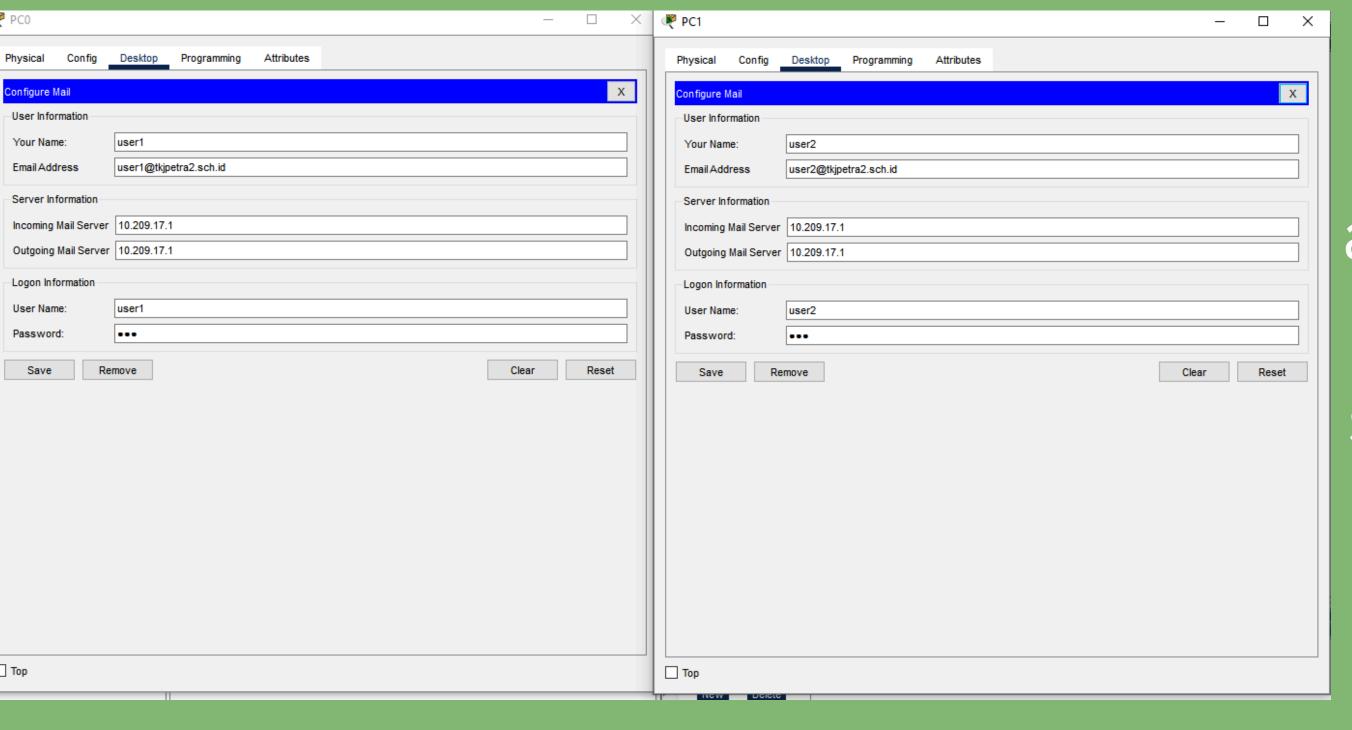
• masukan ip server di browsing app



pastikan client bisa mengakses website dengan cara memasukan ip server ke browsing app

SET UP USER EMAIL

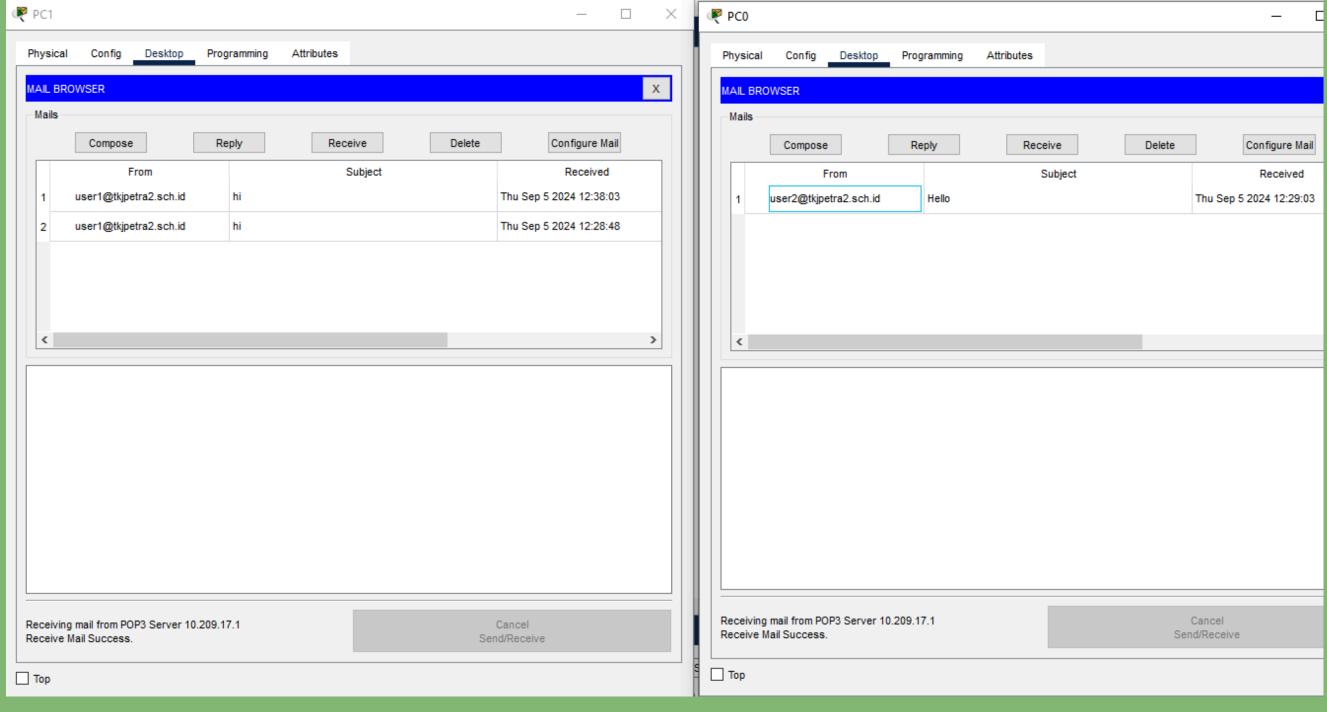
•masukan data data yang dibutuhkan untuk login user email



masukan name
,email
address,incoming
/outgoing mail
server,username,
password

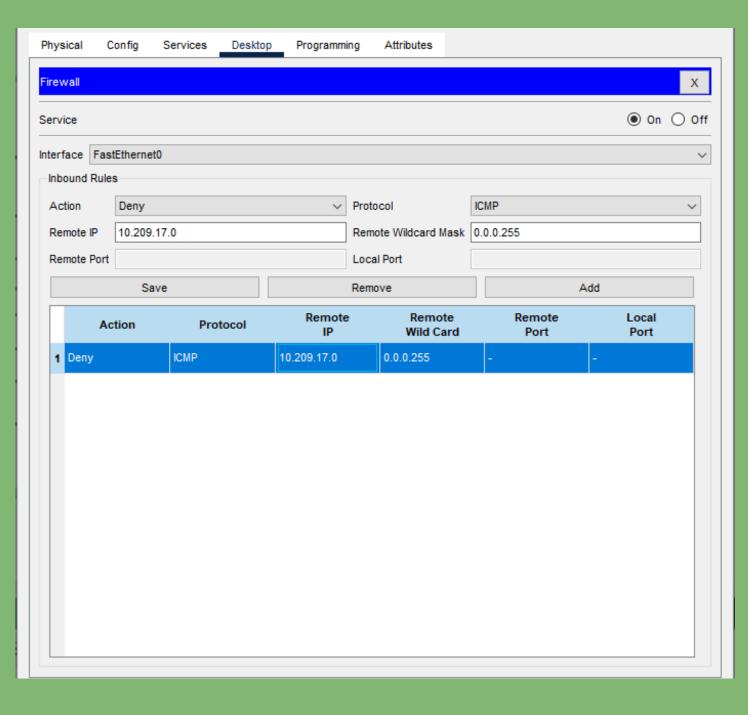
UJI EMAIL

•coba mengirim dan menerima email



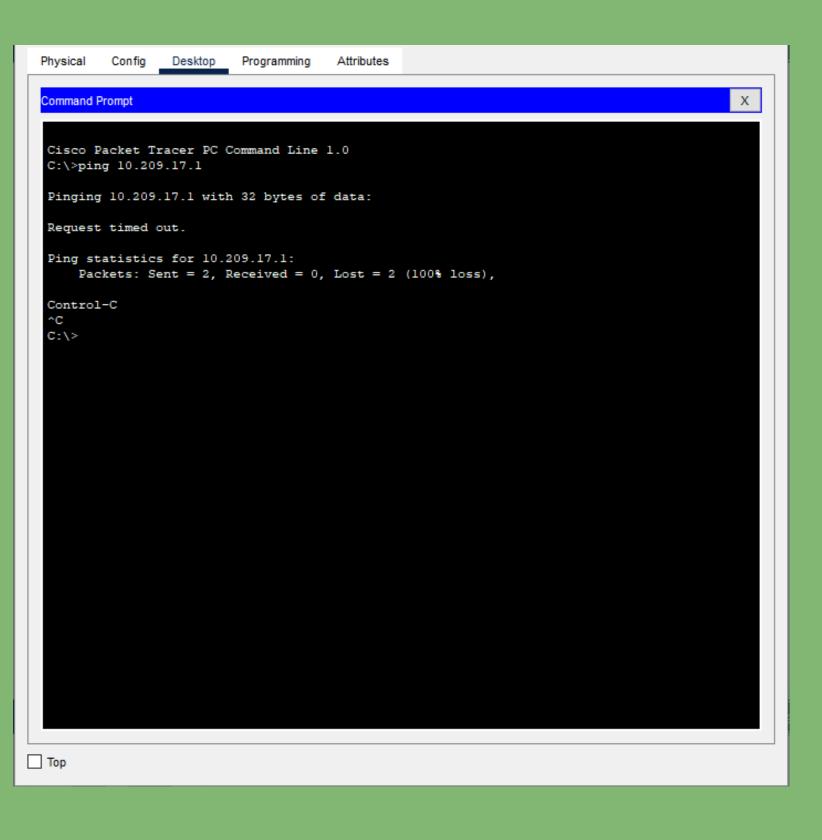
pastikan client bisa mengirim email ke client lainya atau ke user lainya

LO SET UP FIREWALL konfigurasi firewall



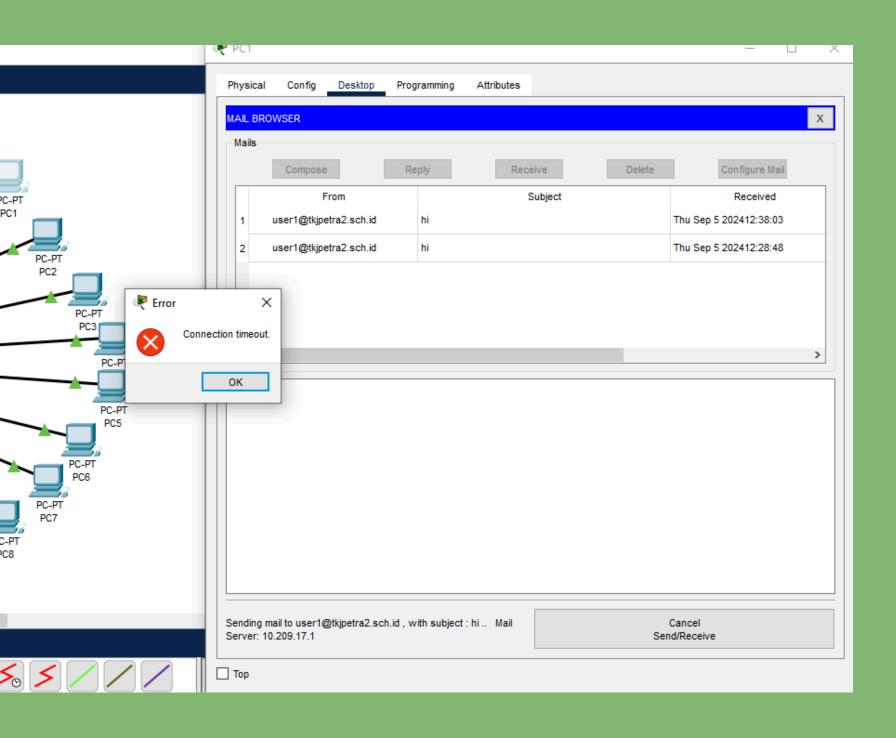
buat dan nyalakan suatu firewall seperti di gambar

TEST FIREWALL test dengan ping



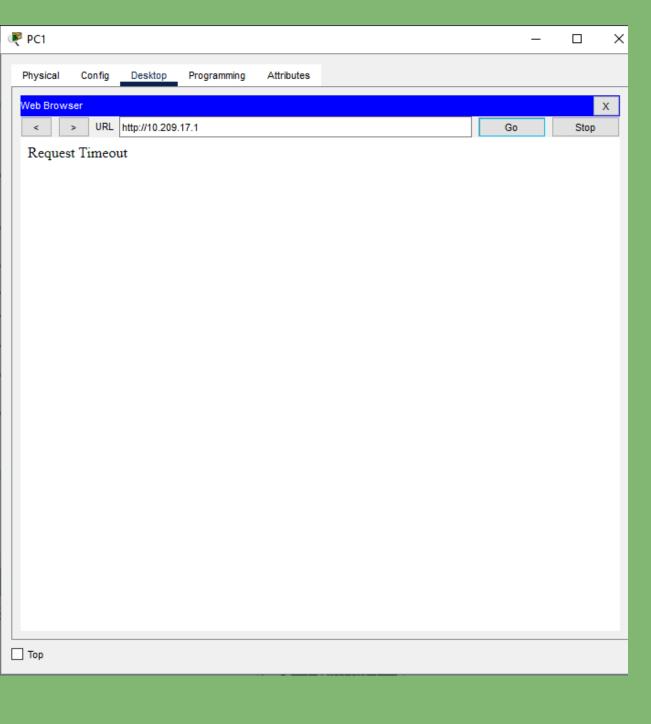
coba ping server dan apabila rto berarti frewall sudah menyala

12 TEST FIREWALL test dengan email



coba send email ke user lainya bila tidak bisa firewall berhasil

15 TEST FIREWALL test dengan akses website



coba akses website
dengan mengisi url
dengan ip server bila rto
maka firewal berhasil

