LAPORAN PRAKTIKUM
JARINGAN KOMPUTER

PRAKTIKUM – 9: Config Router Cisco

Disusun Oleh :
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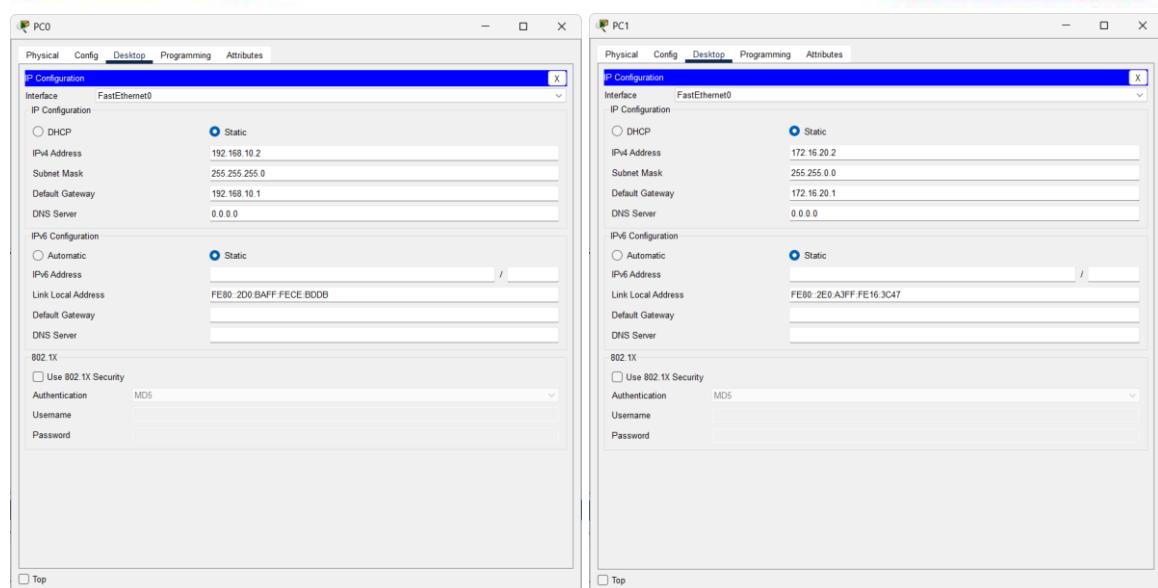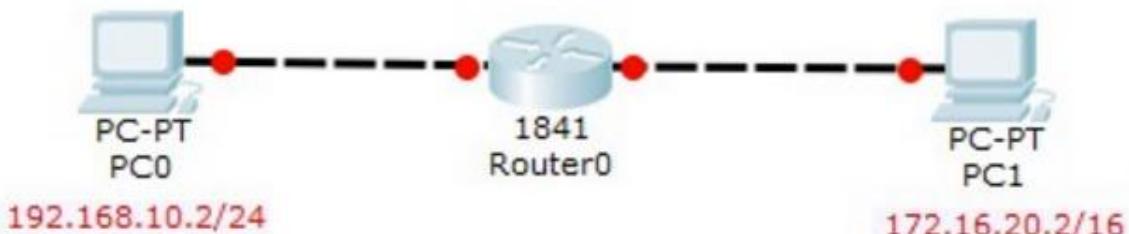

JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
2024/2025

MODUL PRAKTIKUM V

Perintah ARP (Address Resolution Protocol)

LANGKAH PRAKTIKUM

1. Bukalah packet tracer dan buatlah topologi seperti gambar di bawah. Beri IP tiap PC seperti di gambar.

2. Bukalah CLI pada Router0. Coba masuk ke previleged exec mode. Amati perbedaan prompt nya.

```
Router>enable
Router#
```

Router>: User EXEC Mode, ditandai dengan simbol > yang merupakan mode terbatas, hanya bisa melihat status dasar

Router#: Privileged EXEC Mode, ditandai dengan simbol # yang merupakan akses penuh untuk konfigurasi, bisa masuk ke konfigurasi

3. Amati perintah apa saja yang bisa dieksekusi di mode previleged.

```
Router#?
Exec commands:
  <1-99>      Session number to resume
  auto        Exec level Automation
  clear       Reset functions
  clock       Manage the system clock
  configure   Enter configuration mode
  connect     Open a terminal connection
  copy        Copy from one file to another
  debug       Debugging functions (see also 'undebug')
  delete      Delete a file
  dir         List files on a filesystem
  disable     Turn off privileged commands
  disconnect  Disconnect an existing network connection
  enable      Turn on privileged commands
  erase       Erase a filesystem
  exit        Exit from the EXEC
  logout      Exit from the EXEC
  mkdir       Create new directory
  more        Display the contents of a file
  no          Disable debugging informations
  ping        Send echo messages
  reload      Halt and perform a cold restart
  resume      Resume an active network connection
  rmdir       Remove existing directory
  send        Send a message to other tty lines
  setup       Run the SETUP command facility
  show        Show running system information
  ssh         Open a secure shell client connection
  telnet      Open a telnet connection
  terminal    Set terminal line parameters
  traceroute  Trace route to destination
  undebug     Disable debugging functions (see also 'debug')
  vlan        Configure VLAN parameters
  write       Write running configuration to memory, network, or terminal
Router#
```

4. Ketik exit untuk kembali ke mode user exec. Tuliskan perintah apa saja yang bisa dieksekusi di mode user exec.

```
Router>?
Exec commands:
  <1-99>      Session number to resume
  connect     Open a terminal connection
  disable     Turn off privileged commands
  disconnect  Disconnect an existing network connection
  enable      Turn on privileged commands
  exit        Exit from the EXEC
  logout      Exit from the EXEC
  ping        Send echo messages
  resume      Resume an active network connection
  show        Show running system information
  ssh         Open a secure shell client connection
  telnet      Open a telnet connection
  terminal    Set terminal line parameters
  traceroute  Trace route to destination
Router>
```

5. Masuk ke previleged exec mode dan coba lakukan perintah-perintah untuk :

a. menampilkan versi software

```
Router#show version
Cisco IOS Software, 1841 Software (C1841-ADVIPSERVICESK9-M), Version 12.4(15)T1, RELEASE SOFTWARE
(fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2007 by Cisco Systems, Inc.
Compiled Wed 18-Jul-07 04:52 by pt_team

ROM: System Bootstrap, Version 12.3(8r)T8, RELEASE SOFTWARE (fc1)

System returned to ROM by power-on
System image file is "flash:c1841-advipservicesk9-mz.124-15.T1.bin"


This product contains cryptographic features and is subject to United
States and local country laws governing import, export, transfer and
use. Delivery of Cisco cryptographic products does not imply
third-party authority to import, export, distribute or use encryption.
Importers, exporters, distributors and users are responsible for
compliance with U.S. and local country laws. By using this product you
agree to comply with applicable laws and regulations. If you are unable
to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:
http://www.cisco.com/wwl/export/crypto/tool/stqrg.html

If you require further assistance please contact us by sending email to
export@cisco.com.

Cisco 1841 (revision 5.0) with 114688K/16384K bytes of memory.
Processor board ID FTX0947Z18E
M860 processor: part number 0, mask 49
2 FastEthernet/IEEE 802.3 interface(s)
191K bytes of NVRAM.
63488K bytes of ATA CompactFlash (Read/Write)

Configuration register is 0x2102

Router#
```

b. menampilkan konfigurasi

```
Router#show running-config
Building configuration...

Current configuration : 553
!
version 12.4
no service timestamps log da
no service timestamps debug
no service password-encrypti
!
hostname Router
!
!
!
!
!                                interface Vlan1
!                                 no ip address
!                                 shutdown
ip cef                           !
no ipv6 cef                      !
!                                ip classless
!                                !
!                                ip flow-export version 9
!                                !
!                                !
!                                !
!                                !
!                                !
spanning-tree mode pvst          !
!                                !
!                                !
!                                !
!                                line con 0
interface FastEthernet0/0        !
 no ip address                   line aux 0
 duplex auto                     !
 speed auto                      !
 shutdown                        line vty 0 4
!                                 login
interface FastEthernet0/1        !
 no ip address                   !
 duplex auto                     !
 speed auto                      !
 shutdown                        !
!
interface Vlan1                  end
```

c. menampilkan tabel routing

```
Router#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set


Router#
```

d. menampilkan informasi ip dari perangkat

```
Router#show ip interface brief
Interface              IP-Address      OK? Method Status                Protocol
FastEthernet0/0        unassigned      YES unset  administratively down down
FastEthernet0/1        unassigned      YES unset  administratively down down
Vlan1                  unassigned      YES unset  administratively down down
Router#
```

Laporkan tampilan hasil perintah di atas.