



# COMPUTER COMMUNICATION NETWORKS

## CT-376

## LAB NO 2

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Batch :	2022 -2026
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Department :	CSIT
Specialization :	Data Science

R1

```
<R1>display ip interface brief
*down: administratively down
!down: FIB overload down
^down: standby
(l): loopback
(s): spoofing
(d): Dampening Suppressed
The number of interface that is UP in Physical is 5
The number of interface that is DOWN in Physical is 6
The number of interface that is UP in Protocol is 5
The number of interface that is DOWN in Protocol is 6

Interface                IP Address/Mask      Physical  Protocol
Ethernet0/0/0            unassigned           down      down
Ethernet0/0/1            unassigned           down      down
GigabitEthernet0/0/0     24.23.5.202/30       up        up
GigabitEthernet0/0/1     24.23.5.214/30       up        up
GigabitEthernet0/0/2     24.23.5.210/30       up        up
GigabitEthernet0/0/3     24.23.5.206/30       up        up
NULL0                   unassigned           up        up(s)
Serial0/0/0              unassigned           down      down
Serial0/0/1              unassigned           down      down
Serial0/0/2              unassigned           down      down
Serial0/0/3              unassigned           down      down
<R1>
```

R2

```
*down: administratively down
!down: FIB overload down
^down: standby
(l): loopback
(s): spoofing
(d): Dampening Suppressed
The number of interface that is UP in Physical is 2
The number of interface that is DOWN in Physical is 9
The number of interface that is UP in Protocol is 2
The number of interface that is DOWN in Protocol is 9
```

Interface	IP Address/Mask	Physical	Protocol
Ethernet0/0/0	unassigned	down	down
Ethernet0/0/1	unassigned	down	down
GigabitEthernet0/0/0	24.23.5.201/30	up	up
GigabitEthernet0/0/1	unassigned	down	down
GigabitEthernet0/0/2	unassigned	down	down
GigabitEthernet0/0/3	unassigned	down	down
NULL0	unassigned	up	up(s)
Serial0/0/0	unassigned	down	down
Serial0/0/1	unassigned	down	down
Serial0/0/2	unassigned	down	down
Serial0/0/3	unassigned	down	down

<R2>

```
(l): loopback
(s): spoofing
(d): Dampening Suppressed
The number of interface that is UP in Physical is 3
The number of interface that is DOWN in Physical is 8
The number of interface that is UP in Protocol is 2
The number of interface that is DOWN in Protocol is 9

Interface                IP Address/Mask      Physical  Protocol
Ethernet0/0/0            unassigned           down      down
Ethernet0/0/1            unassigned           down      down
GigabitEthernet0/0/0     unassigned           up        down
GigabitEthernet0/0/1     24.23.5.213/30       up        up
GigabitEthernet0/0/2     unassigned           down      down
GigabitEthernet0/0/3     unassigned           down      down
NULL0                    unassigned           up        up(s)
Serial0/0/0              unassigned           down      down
Serial0/0/1              unassigned           down      down
Serial0/0/2              unassigned           down      down
Serial0/0/3              unassigned           down      down
<R3> User interface con0 is available

Please Press ENTER.
```

R4

```
*down: administratively down
!down: FIB overload down
^down: standby
(l): loopback
(s): spoofing
(d): Dampening Suppressed
The number of interface that is UP in Physical is 2
The number of interface that is DOWN in Physical is 9
The number of interface that is UP in Protocol is 2
The number of interface that is DOWN in Protocol is 9

Interface                IP Address/Mask      Physical  Protocol
Ethernet0/0/0            unassigned           down      down
Ethernet0/0/1            unassigned           down      down
GigabitEthernet0/0/0     unassigned           down      down
GigabitEthernet0/0/1     unassigned           down      down
GigabitEthernet0/0/2     unassigned           down      down
GigabitEthernet0/0/3     24.23.5.205/30      up        up
NULL0                   unassigned           up        up(s)
Serial0/0/0              unassigned           down      down
Serial0/0/1              unassigned           down      down
Serial0/0/2              unassigned           down      down
Serial0/0/3              unassigned           down      down
<R4>
```



```
*down: administratively down
!down: FIB overload down
^down: standby
(l): loopback
(s): spoofing
(d): Dampening Suppressed
The number of interface that is UP in Physical is 2
The number of interface that is DOWN in Physical is 9
The number of interface that is UP in Protocol is 2
The number of interface that is DOWN in Protocol is 9

Interface                IP Address/Mask      Physical  Protocol
Ethernet0/0/0            unassigned           down     down
Ethernet0/0/1            unassigned           down     down
GigabitEthernet0/0/0     unassigned           down     down
GigabitEthernet0/0/1     unassigned           down     down
GigabitEthernet0/0/2     24.23.5.209/30      up       up
GigabitEthernet0/0/3     unassigned           down     down
NULL0                    unassigned           up       up(s)
Serial0/0/0              unassigned           down     down
Serial0/0/1              unassigned           down     down
Serial0/0/2              unassigned           down     down
Serial0/0/3              unassigned           down     down
<R5>
```

PC1

X

Basic Config

Command

MCPacket

UdpPacket

Console

Host Name:

pc1

MAC Address:

54-89-98-83-65-D2

IPv4 Configuration

☒ Static

☐ DHCP

☐ Obtain DNS server address automatically

IP Address:

24 . 23 . 5 . 1

DNS1:

0 . 0 . 0 . 0

Subnet Mask:

255 . 255 . 255 . 128

DNS2:

0 . 0 . 0 . 0

Gateway:

0 . 0 . 0 . 0

IPv6 Configuration

☒ Static

☐ DHCPv6

IPv6 Address:

::

Prefix Length:

128

IPv6 Gateway:

::

Apply

Host Name:

pc2

MAC Address:

54-89-98-58-38-02

## IPv4 Configuration

☒ Static☐ DHCP☐ Obtain DNS server address automatically

IP Address:

24 . 23 . 5 . 2

DNS1:

0 . 0 . 0 . 0

Subnet Mask:

255 . 255 . 255 . 128

DNS2:

0 . 0 . 0 . 0

Gateway:

0 . 0 . 0 . 0

## IPv6 Configuration

☒ Static☐ DHCPv6

IPv6 Address:

::

Prefix Length:

128

IPv6 Gateway:

::

Apply



