CS305-2022Spring Lab15 Report

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Lab Time: Thursday 10:20 a.m. to 12:10 p.m.

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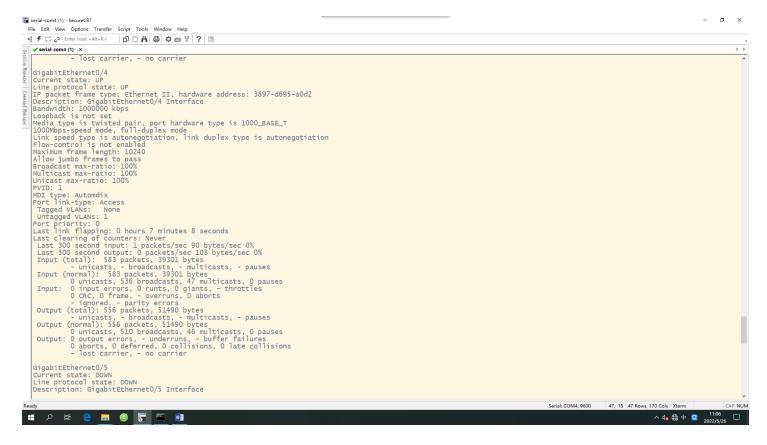
Practice 15.1

Q1.

• Hardware address: 3897-d695-a0d2

• Bandwidth: 1,000,000 kbps

• Received or sent: It has received 583 packets, 39301 bytes. It has sent 556 packets, 51490 bytes.



Q2.

Two types. It can be changed from bridge mode into link mode via port link-mode route.

```
[H3C]display interface brief
Brief information on interfaces in route mode:
Link: ADM - administratively down; Stby - standby
Protocol: (s) - spoofing
Interface
                       Link Protocol Primary IP
                                                         Description
Dia0
                       UP
                             UP(s)
Dia1
                       UP
                             UP(s)
Dia2
                       UP
                             UP(s)
                             UP(s)
Dia3
                       UP
                       UP
                             UP(s)
Dia4
Dia5
                       UP
                             UP(s)
                       UP
                             UP(s)
D1a6
Dia7
                       UP
                             UP(s)
Dia8
                       UP
                             UP(s)
Dia1023
                       UP
                             UP(s)
GE0/0
                       DOWN DOWN
GE0/5
                       DOWN DOWN
                       UP
                             UP(s)
InLoop0
NULL0
                       UP
                             UP(s)
REG0
                       UP
∨lan1
                       UP
                             UP
                                       192.168.0.1
Brief information on interfaces in bridge mode:
Link: ADM - administratively down; stby - Speed: (a) - auto
Duplex: (a)/A - auto; H - half; F - full
Type: A - access; T - trunk; H - hybrid
                                        Duplex Type PVID Description
Interface
                       Link Speed
GE0/1
                       DOWN auto
                                        Α
                                                Α
                                                      1
GE0/2
                                                      1
                       DOWN auto
                                        Α
                                                Α
                                                      1
GE0/3
                                        F(a)
                       UP
                             1G(a)
                                                Α
                                                      1
GE0/4
                       UP
                             1G(a)
                                        F(a)
                                                Α
[H3C]
[H3C]
```

Q3.

It is possible. Command: port link-mode bridge.

```
[H3C-GigabitEthernet0/4]port link-mode bridge
%Jan 1 00:22:10:306 2011 H3C IFNET/3/PHY_UPDOWN: Physical state on the interface GigabitEthernet0/4 changed to down.
%Jan 1 00:22:10:306 2011 H3C IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet0/4 changed to down.
[H3C-GigabitEthernet0/4]display %Jan 1 00:22:14:067 2011 H3C IFNET/3/PHY_UPDOWN: Physical state on the interface GigabitEthernet0/4 changed to up.
%Jan 1 00:22:14:068 2011 H3C IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet0/4 changed to up.
this
#
```

Q4.

It is not possible.

```
[H3C-GigabitEthernet0/4]port link-type access

% Unrecognized command found at '^' position.
[H3C-GigabitEthernet0/4]port link-mode bridge

%Jan 1 00:27:04:947 2011 H3C IFNET/3/PHY_UPDOWN: Physical state on the interface GigabitEthernet0/4 changed to down.

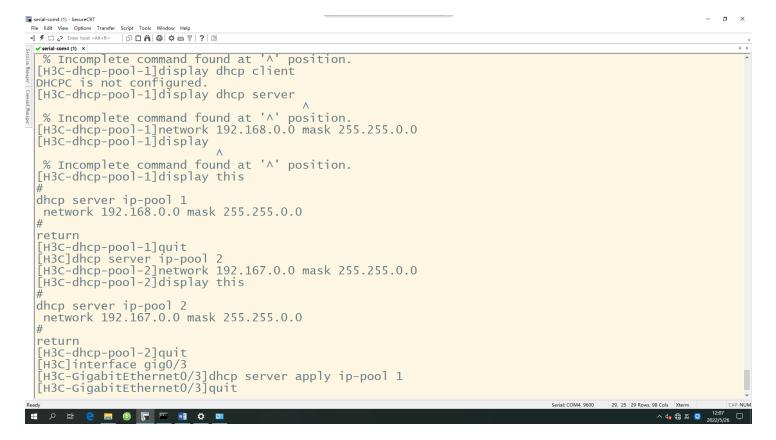
%Jan 1 00:27:04:948 2011 H3C IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet0/4 changed to down.
```

Practice 15.2

Show IP address:

```
serial-com4 (1) - SecureCRT
File Edit View Options Transfer Script Tools Window Help
4 ∮ □ ♂ Enter host <Alt+R> □ □ □ ਜ਼ □ □ ਜ਼ □ □ □ 표 □ □ □ □
 ✓ serial-com4 (1) ×
 [H3C]interface gig0/3
  [H3C-GigabitEthernet0/3]ip address 192.168.3.1 255.255.0.0
  [H3C-GigabitEthernet0/3]quit
  [H3C]interface gig0/3
  [H3C-GigabitEthernet0/3]quit
  [H3C]interface gig0/4
  [H3C-GigabitEthernet0/4]ip address 192.167.3.1 255.255.0.0
  [H3C-GigabitEthernet0/4]quit
  [H3C]display interface brief
 Brief information on interfaces in route mode:
 Link: ADM - administratively down; Stby - standby
 Protocol: (s) - spoofing
 Interface
                          Link Protocol Primary IP
                                                              Description
 Dia0
                          UP
                                UP(s)
 Dia1
                          UP
                                UP(s)
 Dia2
                          UP
                                UP(s)
                                UP(s)
 Dia3
                          UP
                                UP(s)
 Dia4
                          UP
                                UP(s)
 Dia5
                          UP
                                UP(s)
 Dia6
                          UP
                                UP(s)
 Dia7
                          UP
 Dia8
                          UP
                                UP(s)
 Dia1023
                          UP
                                UP(s)
 GE0/0
                          DOWN DOWN
 GE0/3
                          UP
                                UP
                                           192.168.3.1
 GE0/4
                          UP
                                UP
                                           192.167.3.1
 GEO/5
                          DOWN DOWN
 InLoop0
                          UP
                                UP(s)
                                UP(s)
 NULLO
                          UP
                                                                                      Serial: COM4, 9600
```

Build subnet ip pool:



Belong to the subnet:

