

B013040033 雷皓博 CAN HW5 Part2

增加一條新的 flow 到 switch 中，讓所有目標 IP 為 10.0.0.2 的封包都作 drop 行為(10.0.0.2 is Client)

```
sh ovs-ofctl add-flow s1 "priority=100,eth_type=0x800,ip_dst=10.0.0.2,action=drop"
```

Server 的 data 傳不過去，client 超過 recvfrom 設的 time( 1 sec) ，傳 ERROR ACK  
Server 繼續重傳 Loop...

(TimeoutNum >10 才會做 exit)

清除 switch 中的 flow，使 server 可以傳到 client

```
sh ovs-ofctl dump-flows s1
```

之後繼續傳，完成

Wireshark filter udp &amp;&amp; ip.addr == 10.0.0.2

## Server & client

Node: h1	Node: h2
Port is: 51221	Put device = h2-eth0
[Send Reply]	MuMask = 255,0,0,0
File:0410_for尋羅生.rar	broadcastAddr = 10,255,255,255
Server's IP address 10,0,0,1	MyIP = 10,0,0,2
Connect Port is: 33649	Last Put device = h2-eth0
tempPort=33649 [Wait Client FRQ]	broadcastAddr = 10,255,255,255
FRQ packet filename is 0410_for尋羅生.rar	FindServerAddr
ACKsize = 6	servaddr=>sin_port=33000 , ervaddr=>sin_addr=10,0,0,1[Receive Reply]
[File transmission start]	GetMyFTPserver addr:10,0,0,1
Send file : <0410_for尋羅生.rar> to 10,0,0,2	GetMyFTPserver TempConnectPort 33649
client_potr = 58235	33649 10,0,0,12 2
[Get current Error Ack 39905,Resend 39906]	startMuftpClient servaddr: 33649 10,0,0,1
[Get current Error Ack 39905,Resend 39906]	[No First Data] send FRQ packet again
[Get current Error Ack 39905,Resend 39906]	[Resend ERROR Ack Block 39906] Let Server to resend data TimeoutNum=1
[Get current Error Ack 39905,Resend 39906]	[Resend ERROR Ack Block 39906] Let Server to resend data TimeoutNum=2
[Get current Error Ack 39905,Resend 39906]	[Resend ERROR Ack Block 39906] Let Server to resend data TimeoutNum=3
[Get current Error Ack 39905,Resend 39906]	[Resend ERROR Ack Block 39906] Let Server to resend data TimeoutNum=4
[Get current Error Ack 39905,Resend 39906]	[Resend ERROR Ack Block 39906] Let Server to resend data TimeoutNum=5
[Get current Error Ack 39905,Resend 39906]	[Resend ERROR Ack Block 39906] Let Server to resend data TimeoutNum=6
[Get current Error Ack 39905,Resend 39906]	[Resend ERROR Ack Block 39906] Let Server to resend data TimeoutNum=7
[Get current Error Ack 39905,Resend 39906]	[Resend ERROR Ack Block 39906] Let Server to resend data TimeoutNum=8
Read End of File!!	[Transmission finish!!]
End ReadSize = 255	cmd=>hupbus?>Desktop/GCN2?>□
Receive block 0	
[End of Transmission]	
[wait new client][L]	