

4-3-7 IP 擷取與分析 – Packet Tracer (一)

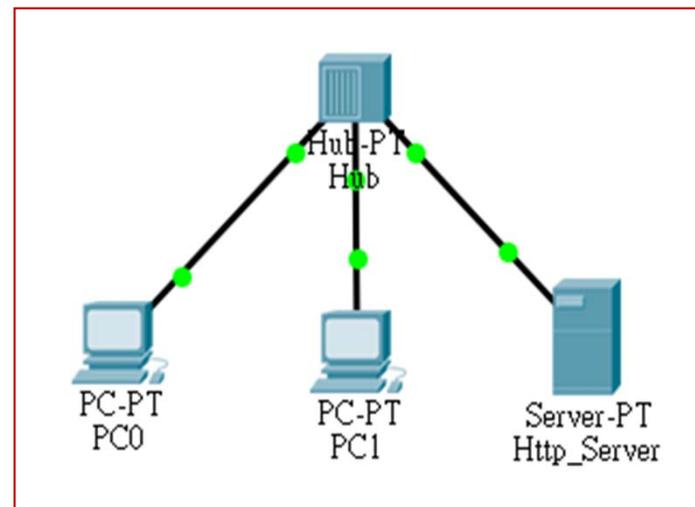


✧ 系統分析

◆ 利用 http 網頁瀏覽產生 IP 封包

✧ 網路規畫

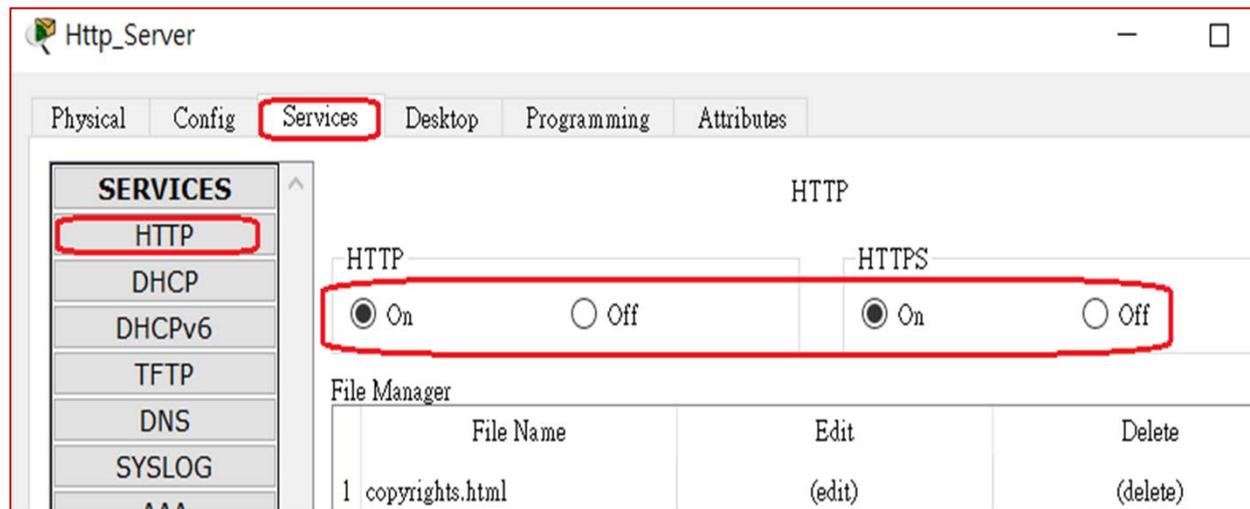
網路區段	Gateway/DNS	名稱	IP 位址	連接埠口
192.168.0.0/ 255.255.255.0	192.168.0.254/ 168.95.1.1	PC0	192.168.0.1	HUB(Fa0)
		PC1	192.168.0.2	HUB(Fa1)
		Http_Server	192.168.0.250	HUB(Fa5)



4-3-7 IP 擷取與分析 – Packet Tracer (二)

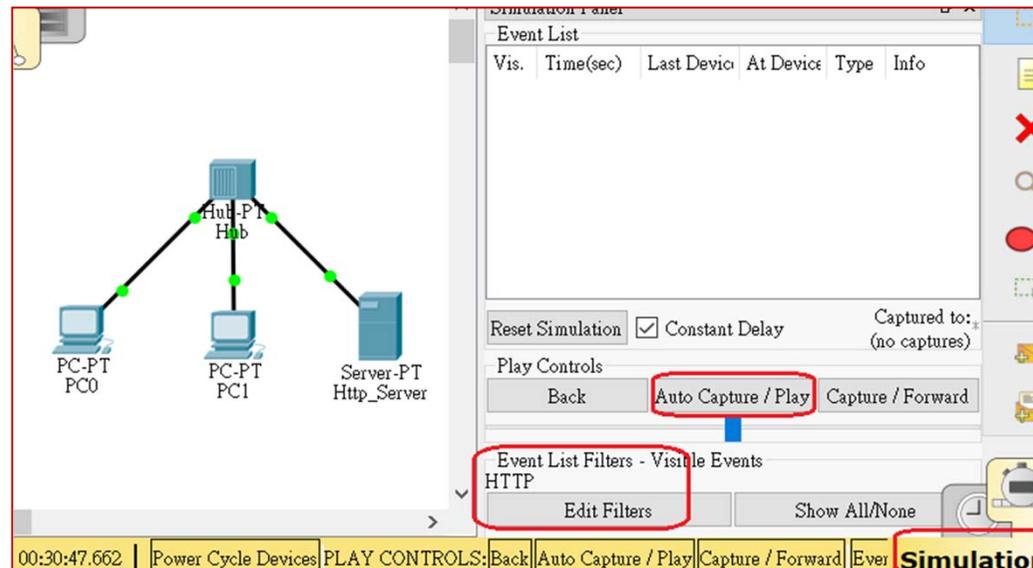


✦ HTTP 伺服器設定

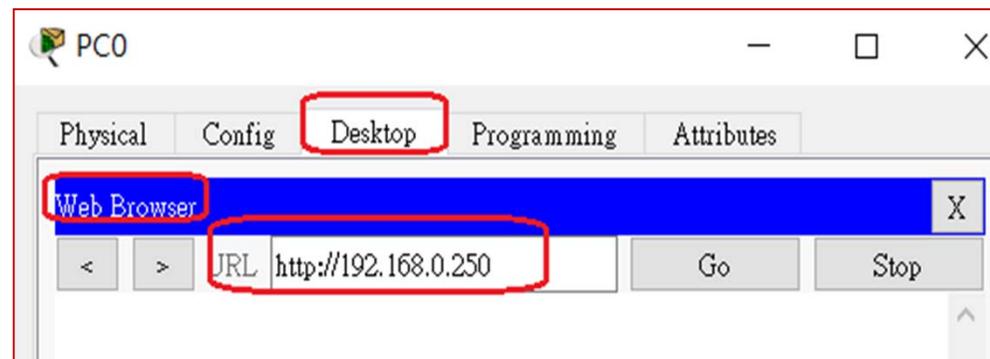


4-3-7 IP 擷取與分析 – Packet Tracer (三)

✦ Packet Tracer 採用 Simulation 模式



✦ 由 PC0 上瀏覽 Web Serve



4-3-7 IP 擷取與分析 – Packet Tracer (四)

✦ IP 協定分析

The screenshot displays a network topology on the left and a detailed IP packet capture analysis on the right. The topology shows a central Hub connected to three devices: PC0, PC1, and an Http_Server. The Event List on the right shows several HTTP events, with the first event at 0.311 seconds highlighted in red. The IP packet analysis below shows the following fields:

IP						
0	4	8	16	20	24	Bits
VER:4	IHL	DSCP:0x00	TL:122			
ID:0x001e			FLAGS:0x2	FRAG OFFSET:0x000		
TTL:128		PRO:0x06	CHKSUM			
SRC IP:192.168.0.1						
DST IP:192.168.0.250						
OPT:0x000000				PADDING:0x00		
DATA (VARIABLE LENGTH)						

