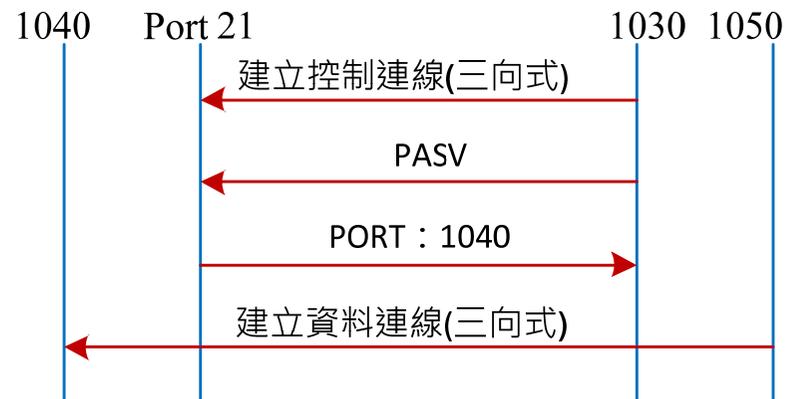
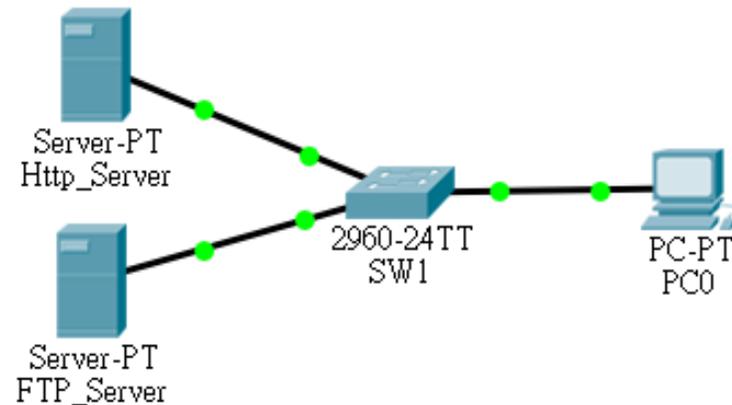


# 5-2-5 分析 FTP 協定 – Packet Tracer (一)



## ✦ FTP 連線流程

- ◆ 客戶端 – 要求建立控制連線(三向式)
- ◆ 客戶端 – 發送 PASV 命令
- ◆ 伺服器端 – 發送 PORT 命令
- ◆ 客戶端 – 要求建立資料連線



# 5-2-5 分析 FTP 協定 – Packet Tracer (二)

## ✦ Packet Tracer – Simulation Mode

### ◆ 擷取 FTP、TCP 封包

The screenshot displays the Packet Tracer interface in Simulation Mode. The network topology on the left shows two servers (Server-PT Http\_Server and Server-PT FTP\_Server) connected to a central switch (2960-24TT SW1), which is in turn connected to a PC (PC-PT PC0). The right-hand side features the Simulation Panel with an Event List table. The table is filtered to show only FTP and TCP events. The 'Auto Capture / Play' button is highlighted, and the 'Event List Filters' are set to 'Visible Events: FTP, TCP'.

Vis.	Time(sec)	Last Device	At Device	Type
	0.139	--	FTP_S...	FTP
	0.140	FTP_Se...	SW1	FTP
	0.141	SW1	PC0	FTP
	0.164	--	PC0	TCP
	0.165	PC0	SW1	TCP
	0.166	SW1	FTP_S...	TCP

# 5-2-5 分析 FTP 協定 – Packet Tracer (三)



## ✦ FTP 協定分析

- ◆ 客戶端要求建立 FTP 連線 – TCP Connect Request
- ◆ 伺服器端同意連線 – TCP Connect Response
  - FTP Response
  - FTP Command request /response
- ◆ FTP Command – PASV
- ◆ FTP Response - Message

