

5-3-8 DNS 協定分析 (一)



✦ 擷取封包

- ◆ Packet Tracer => Simulation
- ◆ PC0 > ping www.tsnien.idv.tw

The screenshot displays the Packet Tracer simulation environment. On the left, a network topology is shown with a central switch (2960-24TT SW1) connected to three servers (Server-PT Http_Server, Server-PT FTP_Server, Server-PT DNS_Server) and a PC (PC-PT PC0). The right side features the Simulation Panel with an Event List table. The table is annotated with red boxes and Chinese text: '擷取到封包' (Packet captured) points to the Event List table; '開始/停止' (Start/Stop) points to the 'Auto Capture / Play' button; and '過濾封包格式' (Filter packet format) points to the 'Event List Filters' dropdown menu.

| Vis. | Time(sec) | Last Device | At Device | Type | Info |
|------|-----------|-------------|-----------|------|------|
| | 0.003 | DNS_Se... | SW1 | DNS | |
| | 0.004 | SW1 | PC0 | DNS | |
| | 0.004 | -- | PC0 | ICMP | |
| | 0.005 | PC0 | SW1 | ICMP | |
| | 0.006 | SW1 | Http_S... | ICMP | |
| | 0.007 | Http_Se... | SW1 | ICMP | |
| | 0.008 | SW1 | PC0 | ICMP | |

Simulation Panel
Event List 擷取到封包

Reset Simulation Constant Delay Captured to: 0.008 s

Play Controls 開始/停止
Back Auto Capture / Play Capture / Forward

Event List Filters Visible Events 過濾封包格式
DNS, ICMP

Time: 01:56:26.441 | Power Cycle Devices | PLAY CONTROLS: Back Auto Capture / Play Capture / Forward | Event List Simulation



5-3-8 DNS 協定分析 (二)



✦ 分析 DNS 封包

◆ DNS Query

◆ DNS Answer

