

需求

將每 1 個 Port 都切開,讓每 1 個 Port 均無法互通,但是每 1 個 Port 必須要能與上層的防火牆或 Switch 設備互通。

※此設定文件以 Port 1 當作是共用 Port,並將此 Port 接到上層的防火牆或 Switch 設備。

目的

1.達到每台 PC 彼此無法互通,但是能與上層的防火牆或其他層 Switch 內的主機資料做存取。(防止 PC 中毒互相感染或中 ARP 病毒干擾網路)

2.上層的防火牆或 Switch 內的主機可以對 PC 做存取。(例如 Ping 的到 PC 或對 PC 集中管理或對 PC 遠端喚醒)

3.上層 Switch 內的主機可以對此台 UBS-5024 進行管理與設定,甚至可安裝 SwitchView 軟體來查看 IP & MAC 的狀態。

設定方法

步驟一：進入 UBS-5024 管理畫面,然後依下列畫面點選

The screenshot shows the 'Port Segmentation (VLAN) Configuration' page of the UBS-5024 management interface. On the left sidebar, 'VLANs' is selected. The main panel displays the 'Add a VLAN' section with a 'VLAN ID' input field containing '2'. Below it is an 'Add' button. To the right is a 'VLAN Configuration List' table with one row, index '1', and a green circular icon indicating it is selected. At the bottom are 'Modify', 'Delete', and 'Refresh' buttons, along with a 'Port Config' button.

步驟二： 請依下列畫面勾選,勾選完畢請按[Apply]

Configuration

- System
- Ports
- VLANs
- Aggregation
- LACP
- RSTP
- 802.1X
- IGMP Snooping
- Mirroring
- Quality of Service
- Filter
- Rate Limit
- Storm Control

Monitoring

- Statistics Overview
- Detailed Statistics
- LACP Status
- RSTP Status
- IGMP Status
- VeriPHY
- Ping

Maintenance

- Warm Restart
- Factory Default
- Software Upload
- Configuration File

VLAN Setup

VLAN ID: 2			
Port	Member	Port	Member
Port 1	<input checked="" type="checkbox"/>	Port 13	<input type="checkbox"/>
Port 2	<input checked="" type="checkbox"/>	Port 14	<input type="checkbox"/>
Port 3	<input type="checkbox"/>	Port 15	<input type="checkbox"/>
Port 4	<input type="checkbox"/>	Port 16	<input type="checkbox"/>
Port 5	<input type="checkbox"/>	Port 17	<input type="checkbox"/>
Port 6	<input type="checkbox"/>	Port 18	<input type="checkbox"/>
Port 7	<input type="checkbox"/>	Port 19	<input type="checkbox"/>
Port 8	<input type="checkbox"/>	Port 20	<input type="checkbox"/>
Port 9	<input type="checkbox"/>	Port 21	<input type="checkbox"/>
Port 10	<input type="checkbox"/>	Port 22	<input type="checkbox"/>
Port 11	<input type="checkbox"/>	Port 23	<input type="checkbox"/>
Port 12	<input type="checkbox"/>	Port 24	<input type="checkbox"/>

2. **Apply** **Refresh**

步驟三： 請依照下列畫面點選

24 Port Gigabit Switch - Microsoft Internet Explorer

檔案(①) 編輯(②) 檢視(③) 我的最愛(④) 工具(⑤) 說明(⑥)

上一頁 → 儲存(⑦) 印表機(⑧) 搜尋(⑨) 我的最愛(⑩) 終止執行(⑪) 電子郵件(⑫) 畫面(⑬) 索引(⑭) 網址(⑮) <http://192.168.2.1/>

24 Port Gigabit Ethernet Switch

Configuration

- System
- Ports
- VLANs
- Aggregation
- LACP
- RSTP
- 802.1X
- IGMP Snooping
- Mirroring
- Quality of Service
- Filter
- Rate Limit
- Storm Control

Monitoring

- Statistics Overview
- Detailed Statistics
- LACP Status
- RSTP Status
- IGMP Status
- VeriPHY
- Ping

Port Segmentation (VLAN) Configuration

Add a VLAN

VLAN ID 2

Add

VLAN Configuration List

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Modify Delete Refresh

2. **Port Config**

步驟四：請依下列畫面設定,設定完畢請按[Apply] ※藍色字體為說明部份

24 Port Gigabit Switch - Microsoft Internet Explorer

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(I) 說明(H)

上一頁 → 檢索 我的最愛

網址(D) http://192.168.2.1/

24 Port Gigabit Ethernet Switch

Configuration

VLAN Per Port Configuration
VLAN aware Enable & Ingress Filtering Enable 都不用打勾

Port	VLAN aware Enabled	Ingress Filtering Enabled	Packet Type	Pvid
Port 1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	None
Port 2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	2
Port 3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1
Port 4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1
Port 5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1
Port 6	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1
Port 7	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1
Port 8	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1
Port 9	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1
Port 10	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1

選"None"代表這個Port同時支援Pvid 1&2

Monitoring

Statistics Overview
Detailed Statistics
LACP Status
RSTP Status
IGMP Status
VeriPHY
Ping

步驟五：請依下列畫面點選

24 Port Gigabit Switch - Microsoft Internet Explorer

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(I) 說明(H)

上一頁 → 檢索 我的最愛

網址(D) http://192.168.2.1/

24 Port Gigabit Ethernet Switch

Configuration

Port Segmentation (VLAN) Configuration

Add a VLAN

1. VLAN ID

2. Add

VLAN Configuration List

1	2						
---	---	--	--	--	--	--	--

Modify Delete Refresh

Port Config

System Ports VLANs Aggregation LACP RSTP 802.1X IGMP Snooping Mirroring Quality of Service Filter Rate Limit Storm Control

Monitoring

Statistics Overview Detailed Statistics LACP Status RSTP Status IGMP Status VeriPHY Ping

步驟六：請依下列畫面勾選,勾選完畢請按[Apply]

Configuration

System
Ports
VLANs
Aggregation
LACP
RSTP
802.1X
IGMP Snooping
Mirroring
Quality of Service
Filter
Rate Limit
Storm Control

Monitoring

Statistics Overview
Detailed Statistics
LACP Status
RSTP Status
IGMP Status
VeriPHY
Ping

Maintenance

Warm Restart
Factory Default
Software Upload
Configuration File

VLAN Setup

VLAN ID: 3			
Port	Member	Port	Member
Port 1	<input checked="" type="checkbox"/>	Port 13	<input type="checkbox"/>
Port 2	<input type="checkbox"/>	Port 14	<input type="checkbox"/>
Port 3	<input checked="" type="checkbox"/>	Port 15	<input type="checkbox"/>
Port 4	<input type="checkbox"/>	Port 16	<input type="checkbox"/>
Port 5	<input type="checkbox"/>	Port 17	<input type="checkbox"/>
Port 6	<input type="checkbox"/>	Port 18	<input type="checkbox"/>
Port 7	<input type="checkbox"/>	Port 19	<input type="checkbox"/>
Port 8	<input type="checkbox"/>	Port 20	<input type="checkbox"/>
Port 9	<input type="checkbox"/>	Port 21	<input type="checkbox"/>
Port 10	<input type="checkbox"/>	Port 22	<input type="checkbox"/>
Port 11	<input type="checkbox"/>	Port 23	<input type="checkbox"/>
Port 12	<input type="checkbox"/>	Port 24	<input type="checkbox"/>

2 [Apply] [Refresh]

步驟七： 請依下列畫面點選

24 Port Gigabit Switch - Microsoft Internet Explorer

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(I) 說明(H)

上一頁 → 前一頁 後一頁 最後一頁 搜尋 我的最愛

網址(1) http://192.168.2.1/

24 Port Gigabit Ethernet Switch

Configuration

System Ports VLANs Aggregation LACP RSTP 802.1X IGMP Snooping Mirroring Quality of Service Filter Rate Limit Storm Control

Monitoring

Statistics Overview Detailed Statistics LACP Status RSTP Status IGMP Status VeriPHY Ping

Port Segmentation (VLAN) Configuration

Add a VLAN

VLAN ID Add

VLAN Configuration List

1	2	3					
---	---	---	--	--	--	--	--

Modify Delete Refresh

2 [Port Config]

步驟八：請依下列畫面設定,設定完畢請按[Apply] ※藍色字體為說明部份

Port	VLAN aware Enabled	Ingress Filtering Enabled	Packet Type	Pvid
Port 1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	None
Port 2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	2
Port 3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	3
Port 4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1
Port 5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1
Port 6	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1
Port 7	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1
Port 8	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1
Port 9	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1
Port 10	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1
Port 11	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/> All <input type="radio"/> Tagged Only	1

其它 Port 的 PortBase VLAN 的設定就請依照步驟 5 – 8 重複操作即可完成其它 Port 的 PortBase VLAN 設定。

※ 上面就完成了 UBS-5024 PortBase VLAN 設定,有一點請注意就是只有”Pvid 是 1”的 Port 才能進入 UBS-5024 的管理畫面進行管理與設定。