

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

24 Port Gigabit Switch - Microsoft Internet Explorer

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)

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網址(D) http://192.168.2.1/

24 Port Gigabit Ethernet Switch

Configuration

- System
- Ports
- VLANs 1.**
- Aggregation
- LACP
- RSTP
- 802.1X
- IGMP Snooping
- Mirroring
- Quality of Service
- Filter
- Rate Limit
- Storm Control

Port Segmentation (VLAN) Configuration

Add a VLAN

VLAN ID 2 2.

Add 3.

VLAN Configuration List

1							
---	--	--	--	--	--	--	--

Modify Delete Refresh

Port Config

步驟二：請依下列畫面勾選,勾選完畢請按[Apply]

Configuration

- System
- Ports
- VLANs
- Aggregation
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- 802.1X
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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.

步驟三：請依照下列畫面點選

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Port Segmentation (VLAN) Configuration

Add a VLAN

VLAN ID

VLAN Configuration List

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

2.

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

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- Ping

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

步驟五：請依下列畫面點選

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Port Segmentation (VLAN) Configuration

Add a VLAN

1. VLAN ID 3

2. Add

VLAN Configuration List

VLAN ID	Status
1	<input type="radio"/>
2	<input checked="" type="radio"/>
3	<input type="radio"/>
4	<input type="radio"/>
5	<input type="radio"/>
6	<input type="radio"/>
7	<input type="radio"/>
8	<input type="radio"/>

Modify Delete Refresh

Port Config

步驟六：請依下列畫面勾選,勾選完畢請按[Apply]

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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"/>

1. **Apply** Refresh

步驟七：請依下列畫面點選

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Port Segmentation (VLAN) Configuration

Add a VLAN

VLAN ID

Add

VLAN Configuration List

VLAN ID	1	2	3	4	5	6	7	8
	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

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搜尋

我的最愛

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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

選"None"
代表這個
Port同時支
援Pvid
1&2&3

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。