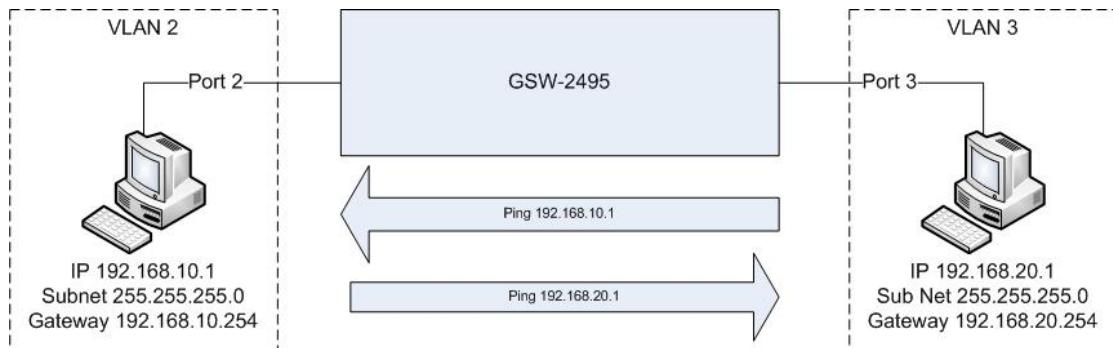


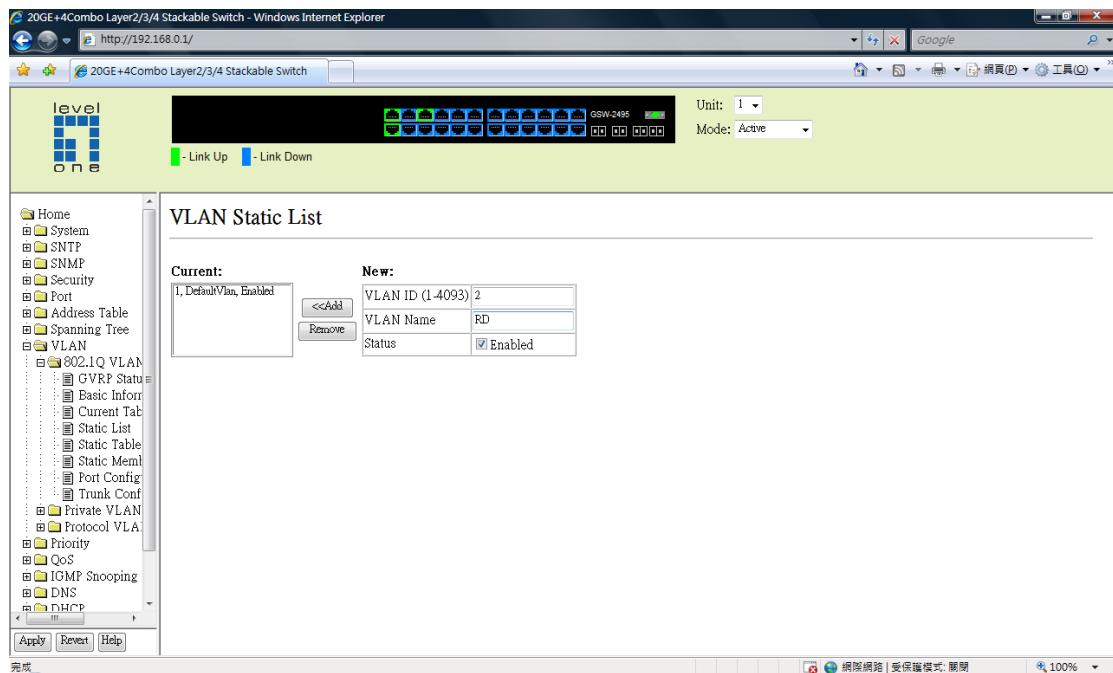
## How to configure inter VLAN static routing on GSW-2495 ?

GSW-2495 is a Layer 3 switch, it's capable of doing Inter VLAN routing. In this example, we set up 2 VLANs and each VLAN has different subnet. In the end of configuration, two VLANs will be able to communicate with each other via static route.



### Configure VLAN

1. VLAN – Static list, please create VLAN 2, name your VLAN(in this example RD), and enable the status.



2. VLAN – Static list, please create VLAN 3, name your VLAN(in this example HR),

and enable the status.

The screenshot shows the 'VLAN Static List' configuration page. On the left, there is a navigation tree with 'VLAN' selected. In the center, under 'Current:', there are two entries: '1. DefaultVlan, Enabled' and '2. RD, Enabled'. Under 'New:', there is a table with three rows: 'VLAN ID (1-4093) 3', 'VLAN Name HR', and 'Status Enabled'. There are '<>Add' and 'Remove' buttons between the 'Current:' and 'New:' sections. At the bottom, there are 'Apply', 'Revert', and 'Help' buttons. The top right shows 'Unit: 1' and 'Mode: Active'.

### 3. VLAN 2 / 3 are being created.

This screenshot is identical to the one above it, showing the 'VLAN Static List' configuration page. The 'Current:' section now includes '3. HR, Enabled' along with the previous entries. The 'New:' section remains the same, showing 'VLAN ID (1-4093) 3', 'VLAN Name HR', and 'Status Enabled'. The rest of the interface, including the navigation tree and bottom buttons, is identical.

### 4. VLAN – Static Table, select VLAN 2, tick enable, place VLAN 2 into untagged port.

The screenshot shows the 'VLAN Static Table' configuration page for Unit 1. The VLAN selected is 2, named 'RD'. The status is set to 'Enabled'. The table below shows port configurations:

Port	Tagged	Untagged	Forbidden	None	Trunk Member
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
2	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
8	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
10	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
11	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Buttons at the bottom include 'Apply', 'Revert', and 'Help'.

5. VLAN – Static Table, select VLAN 3, tick enable, place VLAN 3 into untagged port.

The screenshot shows the 'VLAN Static Table' configuration page for Unit 1. The VLAN selected is 3, named 'HR'. The status is set to 'Enabled'. The table below shows port configurations:

Port	Tagged	Untagged	Forbidden	None	Trunk Member
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
3	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
8	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
10	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
11	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Buttons at the bottom include 'Apply', 'Revert', and 'Help'.

6. VLAN – Port Configuration, input PVID 2 for Port 2, PVID 3 for port 3.

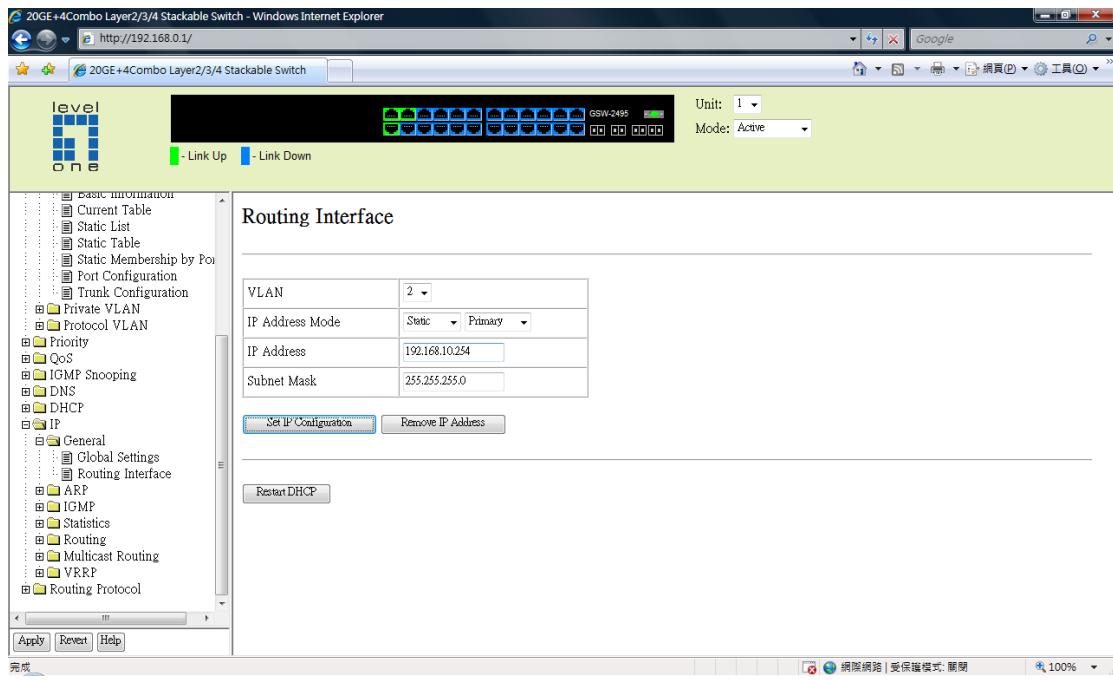
Port	PVID	Acceptable Frame Type	Ingress Filtering	GVRP Status	GARP Join Timer (Centi Seconds)(20-1000)	GARP Leave Timer (Centi Seconds)(60-3000)	GARP LeaveAll Timer (Centi Seconds)(500-18000)	Mode	Trunk Member
1	1	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled	20	60	1000	Hybrid	
2	2	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled	20	60	1000	Hybrid	
3	3	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled	20	60	1000	Hybrid	
4	1	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled	20	60	1000	Hybrid	
5	1	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled	20	60	1000	Hybrid	
6	1	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled	20	60	1000	Hybrid	
7	1	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled	20	60	1000	Hybrid	
8	1	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled	20	60	1000	Hybrid	
9	1	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled	20	60	1000	Hybrid	
10	1	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled	20	60	1000	Hybrid	
11	1	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled	20	60	1000	Hybrid	
12	1	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled	20	60	1000	Hybrid	
13	1	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled	20	60	1000	Hybrid	
14	1	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled	20	60	1000	Hybrid	

7. VLAN- VLAN Static table, move Port 2 and 3 to none. Port 2 and 3 will be removed from default VLAN 1.

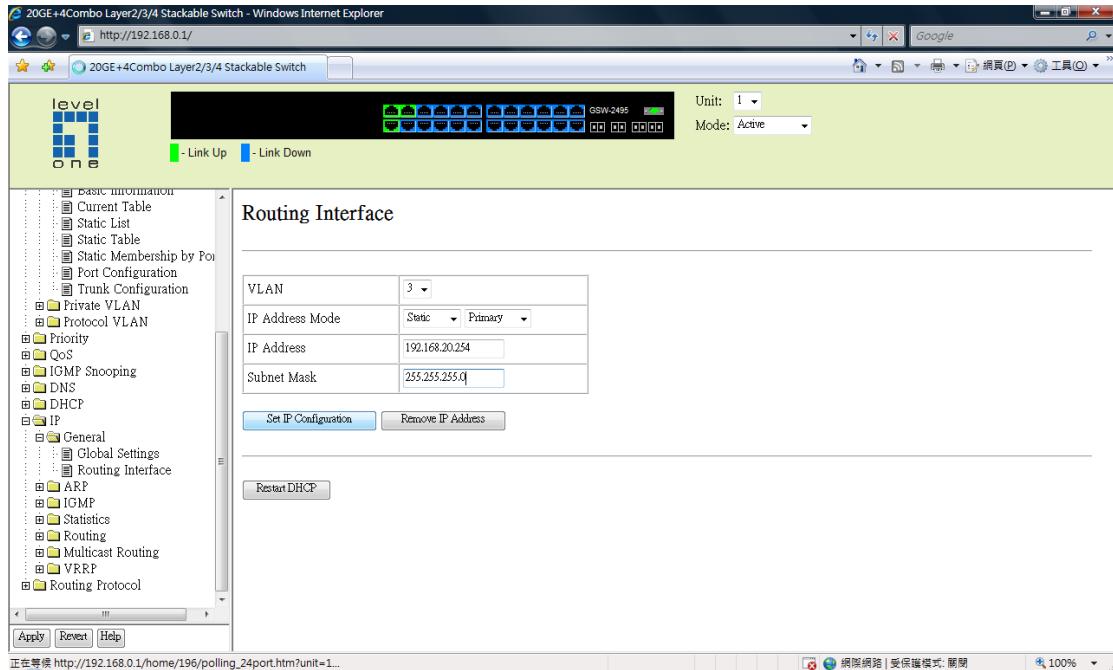
VLAN:	1				
Name	DefaultVlan				
Status	<input checked="" type="checkbox"/> Enabled				
Port	Tagged	Untagged	Forbidden	None	Trunk Member
1	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
3	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
4	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
8	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
9	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
10	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
11	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
12	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
13	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
14	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
15	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
16	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

### Configure Routing interface

8. IP – Routing Interface, select VLAN 2, enter the IP address 192.168.10.254 with subnet mask 255.255.255.0

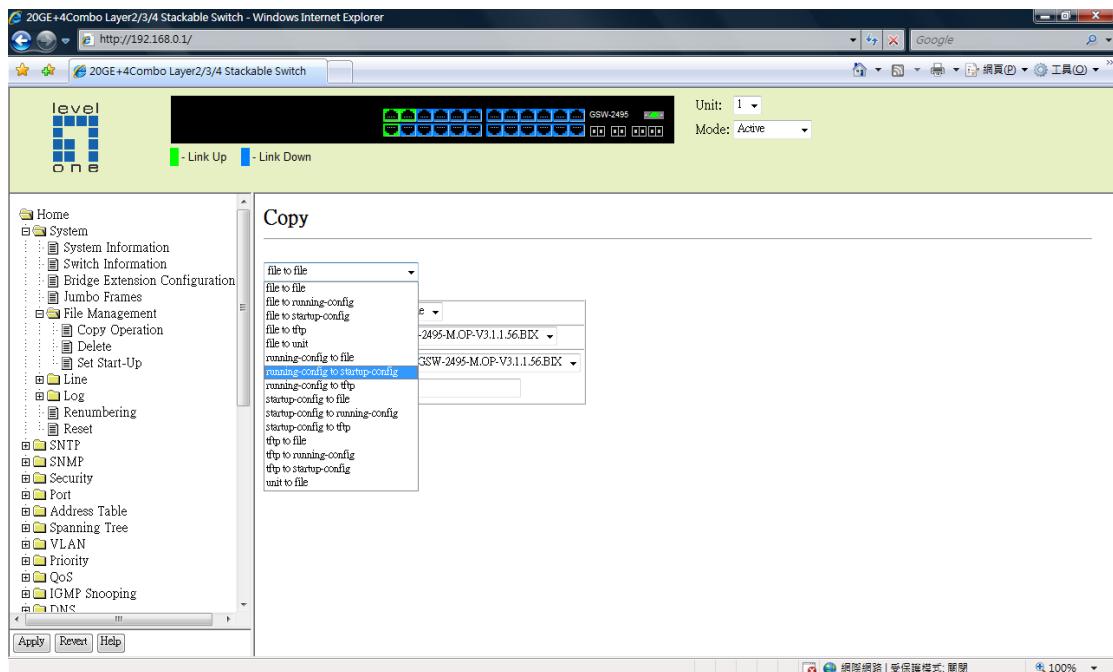


9. IP – Routing Interface, select VLAN 3, enter the IP address 192.168.20.254 with subnet mask 255.255.255.0



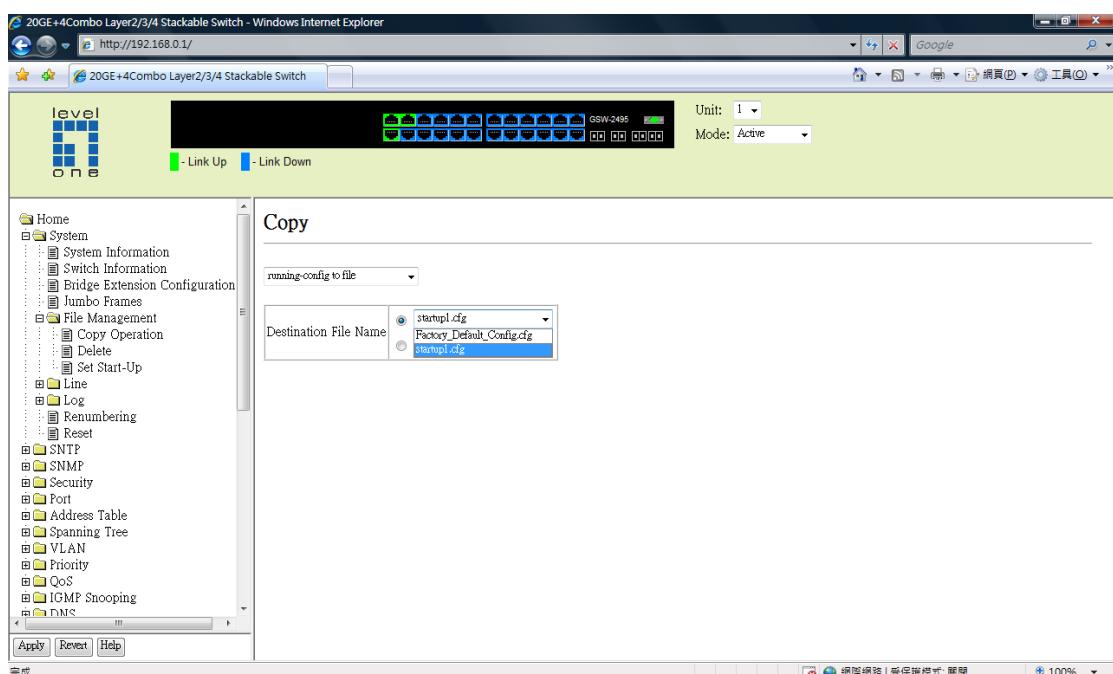
Save configuration

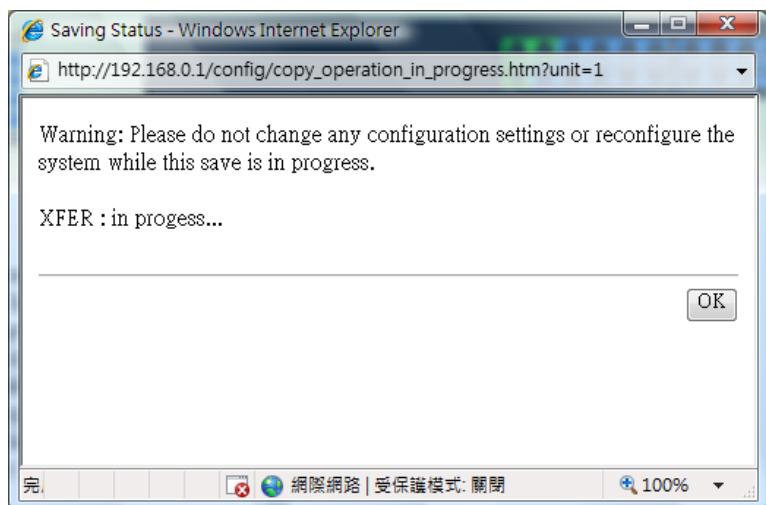
10. System – File management – Copy Operation, select running-config to startup-config.



11. Select “startip1.cfg”.

12. Click on “Apply”.





## Testing

13. You should be able to ping 192.168.10.1 from 192.168.20.1 and vice versa.