

RUTOS VLAN – INTERFACE BASED

Here we are using RUT240 with 7.1.4 FW.

Kindly follow the below steps for the implementation of Interface based VLAN.

1. We will start by creating an Interface based VLAN as given below.

The screenshot shows the 'INTERFACE BASED VLAN' configuration page. The 'NEW DEVICE NAME' field is set to 'TestVLAN' and is highlighted with a red box. The 'ADD' and 'SAVE & APPLY' buttons are also highlighted with red boxes.

The screenshot shows the 'TESTVLAN DEVICE SETTING' configuration page. The 'Tag' field is set to '10', 'Type' is '802.1Q', and 'Parent Interface' is 'eth0'. Red arrows point to these fields with labels: 'VLAN TAG ID', 'TYPE OF VLAN - 802.1Q is Standard but we also have Q.in Q', and 'Interface should be Eth0'. The 'ADD' and 'SAVE & APPLY' buttons are highlighted with red boxes.

2. Create a new interface for the new VLAN tag (Not the same IP range as the LAN to prevent conflict). Here I am going to create a new interface with IP of 192.168.2.1/24.

The screenshot shows the 'NETWORK INTERFACES' configuration page. The 'INTERFACE NAME' field is set to 'Test' and is highlighted with a red box. The 'ADD' and 'SAVE & APPLY' buttons are also highlighted with red boxes.

ID	NAME	Status	Failover	Type	IP	Protocol	MAC	Uptime	RX	TX	Actions	Toggle
1	LAN	Running	Disabled	Wired	172.16.206.1/24	static	00:1E:42:3C:8A:9A	18h 37m 53s	969.52 KB	1.08 MB	[Edit] [Delete]	on
2	WAN	Running	Disabled	Wired	10.10.30.23/24	static	00:1E:42:3C:8A:9B	17h 52m 27s	57.77 MB	2.08 MB	[Edit] [Delete]	on
3	WANG	Stopped	Disabled	Wired	-	dhcpv6	00:1E:42:3C:8A:9B	-	57.77 MB	2.08 MB	[Edit] [Delete]	on
4	MOB1STAT	Stopped	Disabled	Mobile	-	vwan	SIM: 1	-	0.00 B	0.00 B	[Edit] [Delete]	on

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INTERFACES: TEST

GENERAL SETTINGS

Protocol: Static

IPv4 address: 192.168.2.1

IPv4 netmask: 255.255.255.0

IPv4 gateway: 0.0.0.0

IPv4 broadcast: 192.168.2.255

DNS servers

DHCP SERVER

Enable DHCP: Enable

Start: 100

Limit: 150

Lease time: 12

Units: Hours

Start IP address: 192.168.2.100

End IP address: 192.168.2.249

IP Address Range for the new Network

Enable DHCP Server for this

Now add the created VLAN Interface to the Test Interface we created.

INTERFACES: TEST

GENERAL SETTINGS

ADVANCED SETTINGS

PHYSICAL SETTINGS

FIREWALL SETTINGS

DHCP SERVER

GENERAL SETUP

ADVANCED SETTINGS

IPV6 SETTINGS

Bridge interfaces: off on

Interface: TestVLAN

Search: -- Custom --

TestVLAN

br-lan

eth0

eth1

Molly

Enable DHCP: -- No interface --

Start: 100

Limit: 150
















After following the above steps, click on “Save and Apply”

Now we will notice that our test interface will be shown in the Interfaces and is up and running.

NETWORK

MOBILE INTERFACES WIRELESS FAILOVER FIREWALL VLAN ROUTING DNS

NETWORK INTERFACES

1	LAN	Status: Running Failover: Disabled Type: Wired	IP: 172.16.206.1/24 Protocol: static MAC: 00:1E:A2:3C:8A:9A	Uptime: 16h 51m 39s RX: 501.659 KB TX: 799.31 KB	 	
2	WAN	Status: Running Failover: Disabled Type: Wired	IP: 10.10.30.23/24 Protocol: static MAC: 00:1E:A2:3C:8A:9B	Uptime: 16h 51m 37s RX: 61.21 MB TX: 5.44 MB	 	
3	WAN6	Status: Stopped Failover: Disabled Type: Wired	IP: - Protocol: dhcpv6 MAC: 00:1E:A2:3C:8A:9B	Uptime: - RX: 61.21 MB TX: 5.44 MB	 	
4	MOB1STA1	Status: Stopped Failover: Disabled Type: Mobile	IP: - Protocol: wwan SIM: 1	Uptime: - RX: 0.00 B TX: 0.00 B	 	
5	TEST	Status: Running Failover: Disabled Type: Wired	IP: 192.168.2.1/24 Protocol: static MAC: 00:1E:A2:3C:8A:9A	Uptime: 0h 2m 14s RX: 0.00 B TX: 1.21 KB	 	

If you add a VLAN tag 10, we can access the 192.168.2.1/24 and if no VLAN we get the basic lan network.

HAPPY NETWORKING!!