

Setting up VLANs on ioAire Duo

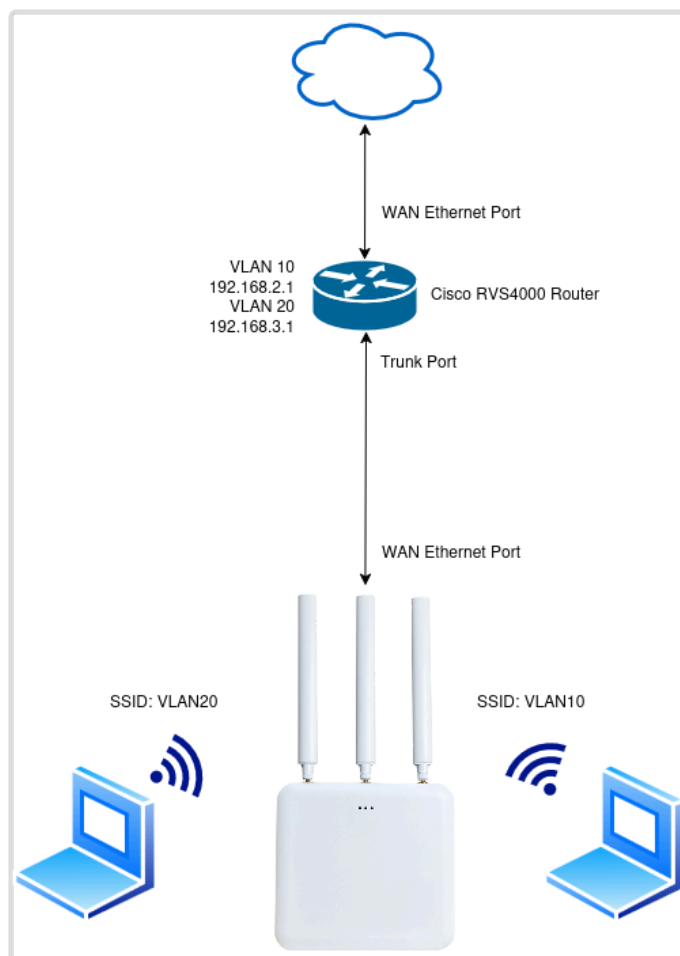


Figure 1

To setup VLANs to work with an ioAire Duo access point, an upstream router is required. In this example, a Cisco RVS4000 router is connected to the Internet through its WAN port, and the Duo is connected between its WAN port and port 1 on the router. See Figure 1 to see how the network is setup.

1. On the Cisco router, configure the VLAN port settings for port 1 as a trunk port. This port will connect to the WAN Ethernet port on the Duo.



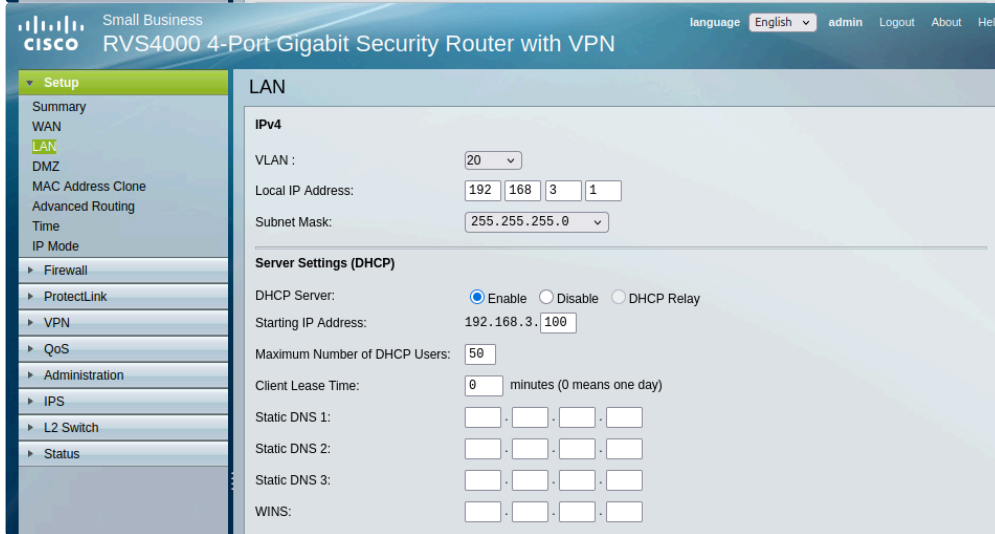
2. Create VLANs with VLAN IDs 10 and 20



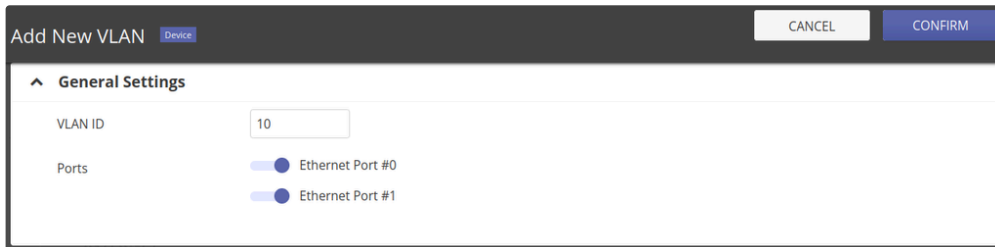
3. Configure the port membership of the VLANs as follows.



4. Configure the IP addresses for each VLAN. VLAN 10 will have an IP address of 192.168.2.1. VLAN 20 will have an IP address of 192.168.3.1.



5. On the Duo in the general network settings create the VLANs 10 and 20 as follows.



6. Create SSID (VLAN10 and VLAN20). In the Network Settings section, set the Network behavior to VLAN tag traffic and select the appropriate VLAN #. Do this for both SSIDs that are configured.

Add SSID Device CANCEL CONFIRM

General Settings

Enable SSID

SSID

Broadcast SSID

Client isolation

Multicast-to-Unicast Conversion

Max Client Count ?

Minimum allowed signal RSSI ?

Activate on radio 5GHz 2.4GHz ?

Security Settings

Method ▼

Key

Access Control List

802.11r

802.11k

802.11v

Network Settings

Network behavior ▼ ?

VLAN ID ▼

AuthPort Enable ?

7. Next, connect a wireless client to each of the SSIDs and verify the DHCP address assigned is appropriate for the VLAN configured on the Cisco router.