**Goal:** Configure LANforge CT523 or similar with as a virtual access point with access to an ethernet network.

LANforge WiFi systems can be configured as wireless access points that are gateways to wired networks where the wired network is a separate broadcast domain.

1. Configure the gateway port
2. From the Status tab, click Netsmith

3. In the Netsmith window, right click the ethernet port connected to the destination network and click Modify Port
4. Configure the gateway port with these settings:

A. DNS Servers: 192.168.100.1
B. IP Address: 192.168.100.43
C. IP Mask: 255.255.255.0
D. Gateway IP: 192.168.100.1
E. Click OK to commit changes.

5. In the Netsmith window, click Sync.

6. NOTE: It is also possible to assign NAT to the outbound gateway port.
   A. From the Netsmith screen, you would right click on p1p1
   B. Choose Modify
   C. Select NAT
   D. Click OK
   E. Click Apply in the Netsmith window.

7. Create the virtual access point (AP)
A. Right click the radio wiphy0 and select Create Port:

- Display WanLink & WanPaths
- Connect
- Modify
- Toggle WanLink
- Modify WanLink
- Modify Port

B. Configure the AP with these settings:

A. Select WiFi VAP
B. Select a MAC Address: 00:eb:7c:d6:0a:49
C. IP Address: 10.26.1.1
D. IP Mask: 255.255.255.0
E. Gateway IP: 192.168.100.43
F. STA ID: 0
G. SSID: vapetest
C. In the Netsmith window, click Sync.

8. In the Netsmith window, right click and select New Router.

9. Create a router using default settings; click OK.

A. In the Netsmith window, click Apply.
10. Drag vap0 into the virtual router

11. Drag p1p1 into the virtual router

12. Assign DHCP to the vap0 port
   A. Right click on vap0 and select Modify
B. Configure DHCP with these settings:

A. DHCP DNS: 192.168.100.1
B. DHCP Range Min: 10.26.1.20
C. DHCP Range Max: 10.26.1.50
D. Select DHCP
E. Click OK to commit the settings.

C. In the Netsmith window, click Apply

13. NOTE: To test this setup, you could use a laptop with WiFi or a desktop system with a USB WiFi dongle to associate with the Virtual AP. If you have a second radio in your LANforge CT523 you could create a virtual station on one of those extra radios, as well.

Candeas Technologies, Inc., 2417 Main Street, Suite 201, Pemodole, WA 98248, USA
www.candeastech.com | sales@candeastech.com | +1.360.380.1618