

# CYB 210 4-3 Activity Network Configuration Scavenger Hunt

ANDREE SALVO

SOUTHERN NEW HAMPSHIRE UNIVERSITY

CYB 210

INSTRUCTOR: BRUCE GONZALEZ

3/1/2025



## CYB 210 Module 4-3 Network Configuration Scavenger Hunt Activity

**Reminder:** Make certain that you are going into the devices and using the command line to find your objectives, not just hovering over the devices with your mouse. Complete this template by replacing the bracketed text with the relevant information.

### Wireless Routing

#	Objective	Response
1	What is the IP address of the wireless router?	192.168.0.1
2	What is the starting IP address of the DHCP scope on the wireless router?	192.168.0.115
3	How many IP addresses are available for the guest wireless network?	25
4	What are the IP addresses of the three wireless computers?	Laptop0: 192.168.0.116   Laptop1: 192.168.0.119   Tablet PC0: 192.168.0.118
5	What is the name of the guest wireless network?	FREE_WIRELESS
6	What is the Security Mode used for the guest wireless network?	Disabled

### LAN Routing

#	Objective	Response
7	What IP addresses do you see configured on the main router?	GigabitEthernet0/0: 10.0.0.1 GigabitEthernet0/1: 20.0.0.1
8	List the IP address of one of the LAN computers on the network.	PC-PT PC4: 192.168.65.1
9	Certain ports on the two switches, one connecting to the computers and the other connecting to the IP phones, have been “administratively” turned off. Can you identify them?	<ol style="list-style-type: none"><li>FastEthernet0/14 unassigned YES manual administratively down down</li><li>FastEthernet0/15 unassigned YES manual administratively down down</li><li>FastEthernet0/16 unassigned YES manual administratively down down</li><li>FastEthernet0/20 unassigned YES manual administratively down down</li></ol>
10	The main router connects to four different network devices. Can you name the types of devices connected to the router and the type of port each device is connected to on the router?	<ol style="list-style-type: none"><li>Switch: GigabitEthernet0/1</li><li>Switch0: GigabitEthernet0/1</li><li>Switch1: GigabitEthernet0/1</li><li>Firewall: ASA0 – Fa0/0/1</li></ol>

## VLAN Routing

#	Objective	Response
11	How many VLANs can you identify as defined on the switches?	Router0: 1 Switch: 65 – 99 Switch0: 35 – 99 Switch1: 1002 – 1003 – 1004 – 1005
12	What are the names (tags) of each listed VLAN?	1 = default   2 = outside   65 = data   35 = VOIP   99 = FutureUse   1002 fddi-default 1003 token-ring-default  1004 fddinet-default   1005 trnet-default
13	What is the intended use of the VLANs with VLAN numbers below 1000?	VLAN 1 = Default   VLAN 35 = VOIP   VLAN 65 = Data   VLAN 99 = Future use
14	How many ports in total for each switch are used for VLAN traffic that are not on the Default VLAN (vlan_id_1)? List the VLAN and the total number of ports assigned to that VLAN.	1. Switch = 26 2. Switch0 = 26 3. Switch 1 = 26
15	Which ports are assigned to which non-default VLAN on the computer network switch and on the phone network switch?	<p><b>Computer Network Switch:</b></p> <p><b>VLAN Default (1):</b> Fa0/9, Fa0/10, Fa0/11, Fa0/12, Fa0/13, Fa0/17, Fa0/18, Fa0/19, Fa0/21, Fa0/22, Fa0/23, Fa0/24, Gig0/1, Gig0/2</p> <p><b>VLAN DATA (65):</b> Fa0/1, Fa0/2, Fa0/3, Fa0/4, Fa0/1, Fa0/2, Fa0/3, Fa0/4</p> <p><b>VLAN FutureUse:</b> Fa0/14, Fa0/15, Fa0/16, Fa0/20</p> <p><b>Phone Switch:</b></p> <p><b>VLAN Default (1):</b> Fa0/14, Fa0/15, Fa0/16, Fa0/20, Fa0/14, Fa0/15, Fa0/16, Fa0/20, Gig0/1, Gig0/2</p> <p><b>VLAN VOIP:</b> Fa0/2, Fa0/3, Fa0/4, Fa0/5, Fa0/2, Fa0/3, Fa0/4, Fa0/5</p> <p><b>VLAN FutureUse:</b> Fa0/2, Fa0/3, Fa0/4, Fa0/5</p>