

***** **KEEP THIS DOCUMENT FOR FUTURE SESSIONS** *****

Wireless LAB INSTRUCTIONS

This document provides you the necessary information for using the Cisco Wireless Controller components of Rack 7.

This guide will allow you to configure the Cisco Wireless LAN Controller (WLC) and the Cisco LWAPP. Since the LWAPP has already associated with the controller the configuration is locked without doing a hard reset on the LWAPP. All you are configuring is the IP Address of the LWAPP anyway. So you just configure the Wireless LAN Controller (WLC) as a DHCP server for the LWAPP. Below is a WLC configuration to get the LWAPP connected to the WLC.

You can modify the IP Addressing to meet your needs. You do NOT need to modify the switch configuration unless you want to TAG the interfaces, then you need to assign the switchports to the proper vlans.

After you have configured the WLC, add the DHCP configuration to the WLC.

If you want, you can clear the LWAPP configuration from the WCS and watch the LWAPP reset.

```
Welcome to the Cisco Wizard Configuration Tool
Use the '-' character to backup
System Name [Cisco_43:4f:43]: c4402
Enter Administrative User Name (24 characters max): admin
Enter Administrative Password (24 characters max): admin
Re-enter Administrative Password : admin
Service Interface IP Address Configuration [none][DHCP]: none
Service Interface IP Address: 192.168.1.1
Service Interface Netmask: 255.255.255.0
Enable Link Aggregation (LAG) [yes][NO]: yes
Management Interface IP Address: 192.168.2.5
Management Interface Netmask: 255.255.255.0
Management Interface Default Router: 192.168.2.1
Management Interface VLAN Identifier (0 = untagged): 0
Management Interface DHCP Server IP Address: 192.168.2.25
AP Transport Mode [layer2][LAYER3]: LAYER3
AP Manager Interface IP Address: 192.168.2.6
AP-Manager is on Management subnet, using same values
AP Manager Interface DHCP Server (192.168.2.25):
Virtual Gateway IP Address: 1.1.1.1
Mobility/RF Group Name: test
Enable Symmetric Mobility Tunneling [yes][NO]: NO
Network Name (SSID): test
Allow Static IP Addresses [YES][no]: YES
Configure a RADIUS Server now? [YES][no]: no
Enter Country Code list (enter 'help' for a list of countries) [US]: US
Enable 802.11b Network [YES][no]: YES
Enable 802.11a Network [YES][no]: YES
Enable 802.11g Network [YES][no]: YES
Enable Auto-RF [YES][no]: YES
Configure a NTP server now? [YES][no]: no
Configure the system time now? [YES][no]: no
```

Configuration correct? If yes, system will save it and reset. [yes][NO]:
yes

Configuration saved!
Resetting system with new configuration...

DHCP Configuration

```
dhcp create-scope test
dhcp address-pool test 192.168.10.100 192.168.10.200
dhcp default-router test 192.168.10.1
dhcp domain test gigav.local
dhcp network test 192.168.10.0 255.255.255.0
dhcp enable test
```

```
(Cisco Controller) >show ap summary
```

```
Number of APs..... 1
```

AP Name	Slots	AP Model	Ethernet MAC	Location	Port	Country
AP001f.ca26.6c28	2	AIR-LAP1242AG-A-K9	00:1f:ca:26:6c:28	default location	29	US

```
(Cisco Controller) >clear ap-config AP001f.ca26.6c28
```

```
clear ap-config will clear ap config and reboot the AP, Are you sure you want continue? (y/n) y
```

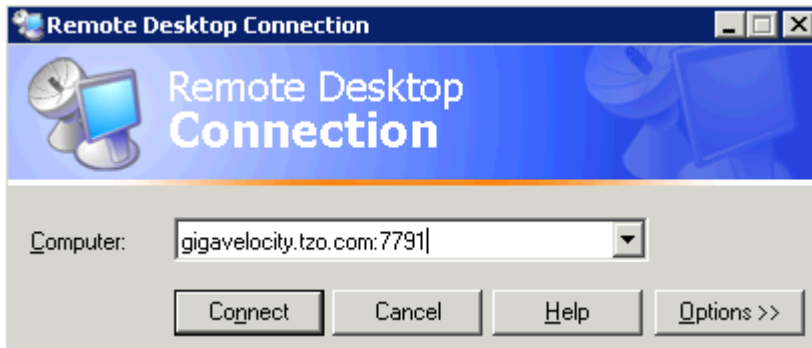
```
All AP configuration including AP's static IP configuration has been cleared.
```

```
(Cisco Controller) >
```

```
AP001f.ca26.6c28#sh ip int brie
```

Interface	IP-Address	OK?	Method	Status	Protocol
Dot11Radio0	unassigned	NO	unset	up	up
Dot11Radio1	unassigned	NO	unset	up	up
FastEthernet0	192.168.10.100	YES	DHCP	up	up

Server Access via Microsoft Remote Desktop



Microsoft Remote Desktop - RDP

This is the login information for the server.

Rack7 Server1 gigavelocity.tzo.com:7791 login=administrator, pwd=gigav

Rack7

Server1 connects to Switch1, interface [See rack diagram](#)
VM1 connects to Switch1, interface [See rack diagram](#)

Rack7 WCS: Use the WCS Admin icon on the desktop.

WCS

Username: root

Passowrd: Gigavelocity!

WCS-FTP

Username: ftp

Passowrd: gigaftp!