**RADIUS WAP Configuration Guide**

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**Audience:**

This document is for the use of the Network Administrator. In the future, I do not foresee as yet other appropriate persons to whom this document may apply. It is assumed that the Network Administrator has an understanding of the Cisco CLI and Terminal usage processes.

**Preamble:**

This document details the exact setup required for a WAP which will use the APEagers Radius server 'qld-ras1' to authenticate with. Please refer to the document "APEagers RADIUS Server Setup Guide" for details on the setup of this server.

This document DOES NOT detail how to configure the Radius server. This document DOES NOT detail how to connect clients to the WAP or the Radius server.

**Configuration in Detail:**

The following are the commands to setup via the CLI bare/factory default WAPs. Manual sections must be entered by typing the commands and Auto sections can be copied and pasted into the terminal. (Note: that this Word document has issues with the length of lines so a “\_” is used to denote that the line has carried over. DO NOT copy details to paste into the terminal from this document use the .txt file)

**Manual1:**

service password-encryption

enable secret 0 <is a!>

username issadmin password 0 <clueless>

int bvi1 ip address x.x.x.x 255.255.0.0

ip default-gateway x.x.y.254

hostname campus\_dept\_no

snmp-server location "CAMPUS - Brand Department - Number"

**Auto1:**

no username Cisco

aaa new-model

aaa group server radius rad\_eap

server 10.1.1.99 auth-port 1812 acct-port 1813

exit

aaa authentication login eap\_methods group rad\_eap

no aaa authentication login mac\_methods local

ip radius source-interface BVI1

radius-server retransmit 3

radius-server attribute 32 include-in-access-req format %h

**Manual2:**

radius-server host 10.1.1.99 auth-port 1812 acct-port 1813 \_

key 0 <clueless>

**Auto2:**

dot11 ssid apeagers

authentication open eap eap\_methods

authentication network-eap eap\_methods

authentication key-management wpa

guest-mode

exit

int Dot11Radio 0

no shutdown

encryption mode ciphers tkip

ssid apeagers

speed basic-1.0 basic-2.0 basic-5.5 6.0 9.0 basic-11.0 \_

12.0 18.0 24.0 36.0 48.0 54.0

exit

int Dot11Radio 1

no shutdown

encryption mode ciphers tkip

ssid apeagers

speed basic-1.0 basic-2.0 basic-5.5 6.0 9.0 basic-11.0 \_

12.0 18.0 24.0 36.0 48.0 54.0

exit

snmp-server contact "issadmin@apeagers.com.au"

snmp-server community apsnmpro ro

snmp-server community apsnmprw rw

sntp server 10.1.1.43