Hi ,

Sir I have 2 MSR 2000 , named MSR1 & MSR2. I mashed both MSRs successfully, I made 3 VLANs on MSR1 : VLAN1(Default), VLAN 20 (get IP from Controller200 FE interface)& VLAN 40 (also get IP from Controller 200 GE Interface).

For MSR2 I also Configured 3 Vlans: Vlan1 (Default), Vlan20(get ip fom Controller’s Interface FE through MSR1 ) & VLAN 40 (get ip fom Controller’s Interface GE through MSR1). But I cant get IP from Controller on MSR2 BSS.

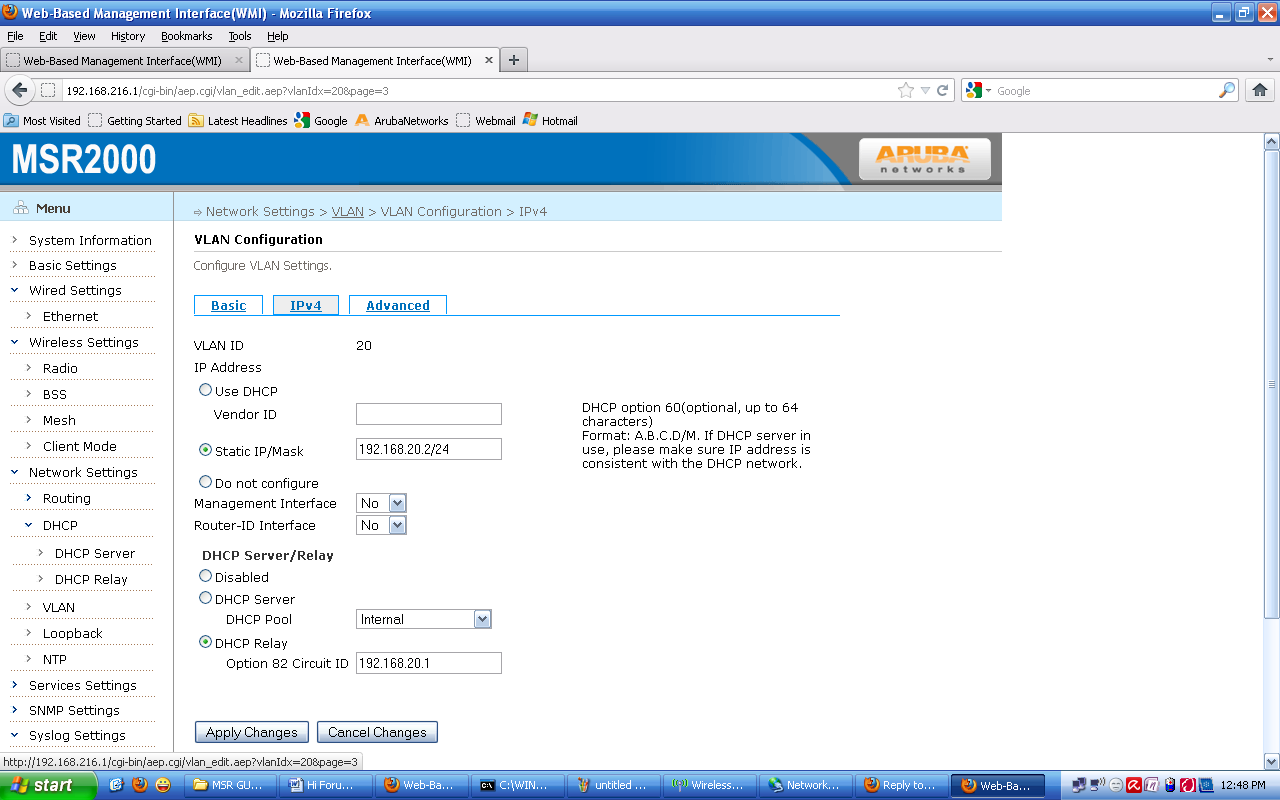
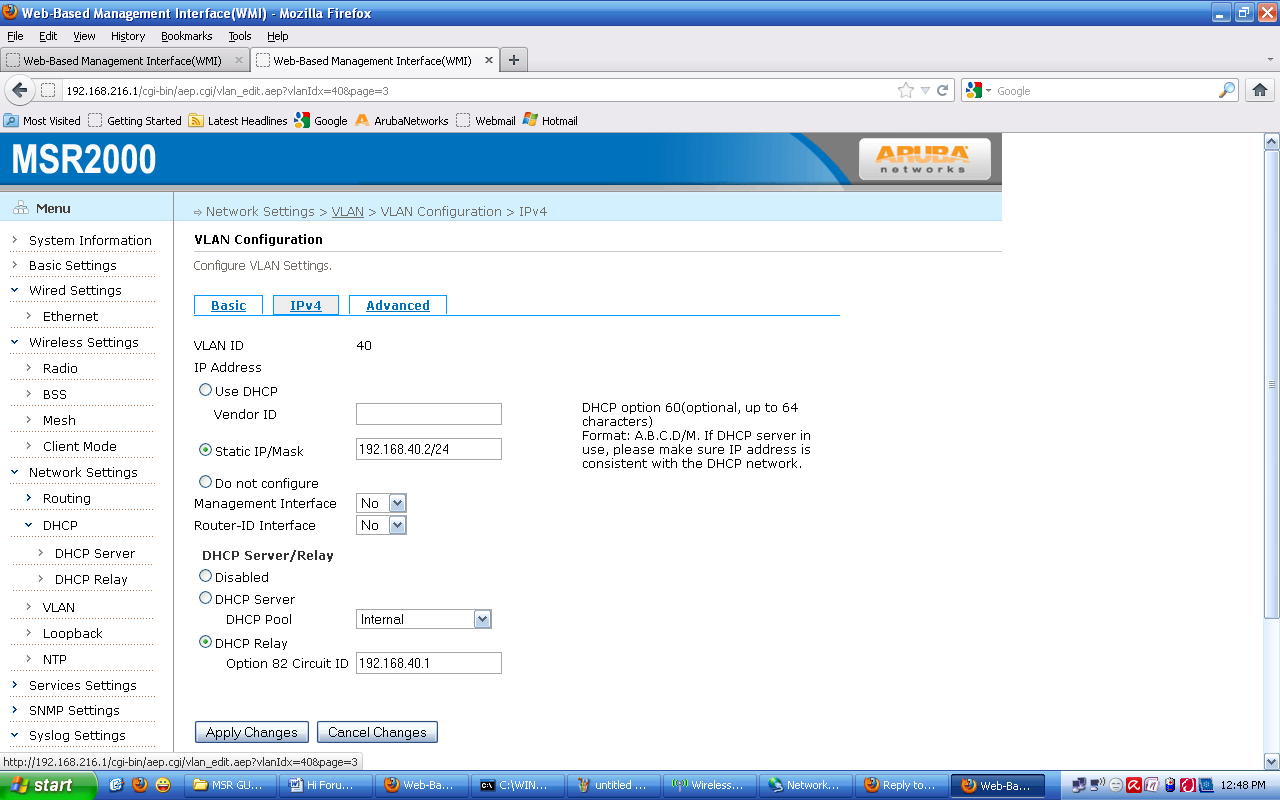
Configurations are given below:

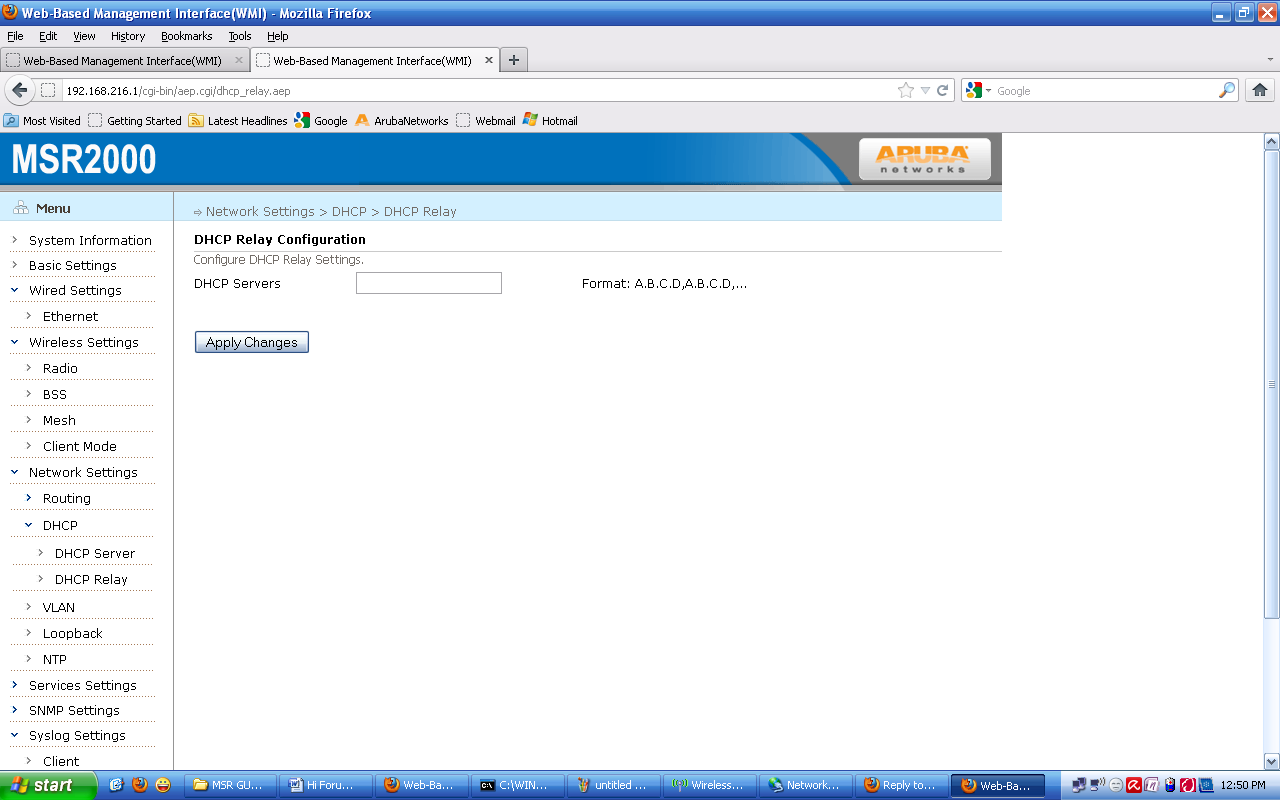
I set Controller’s FE interface on Vlan 20 ip:192.168.20.1 & having Ip Pool 192.168.20.10-192.168.20.20

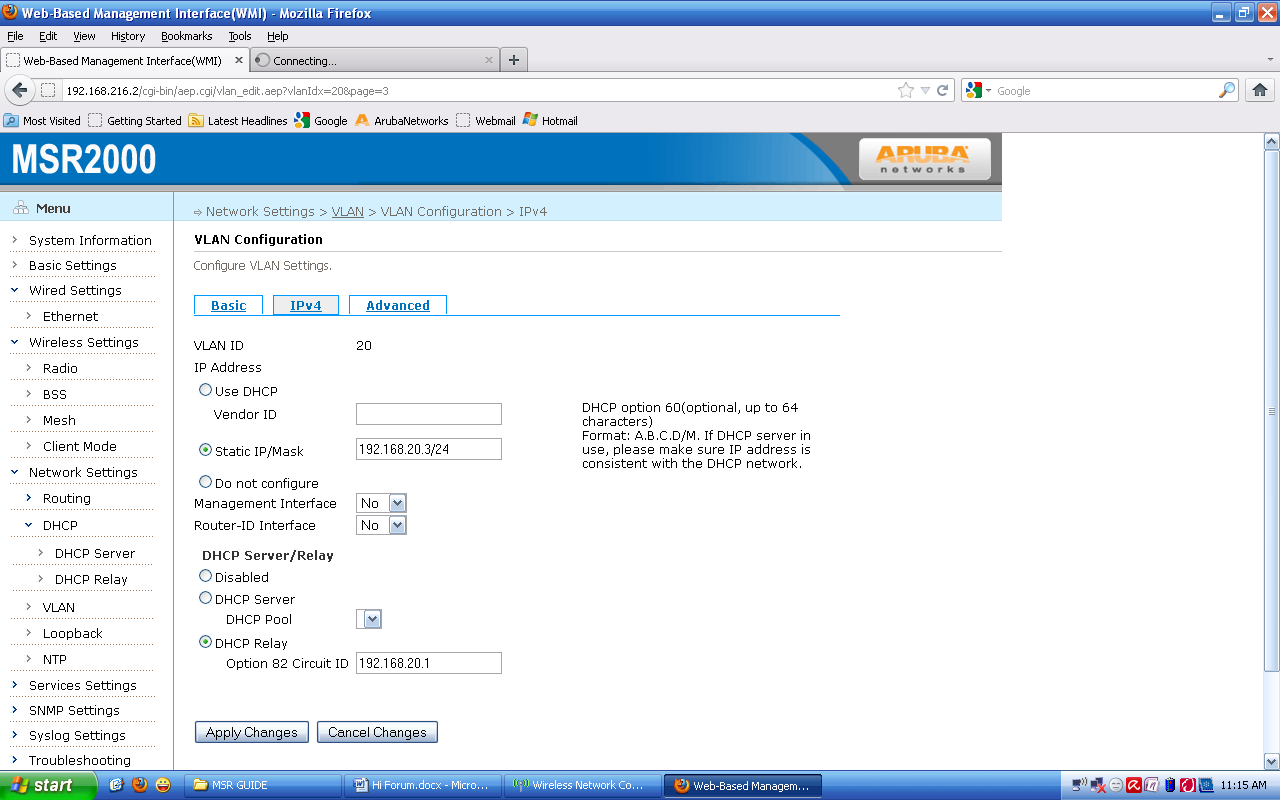
Controller’s GE interface on VLAN 40 having ip:192.168.40.1 IP pool 192.168.40.10-192.168.40.20

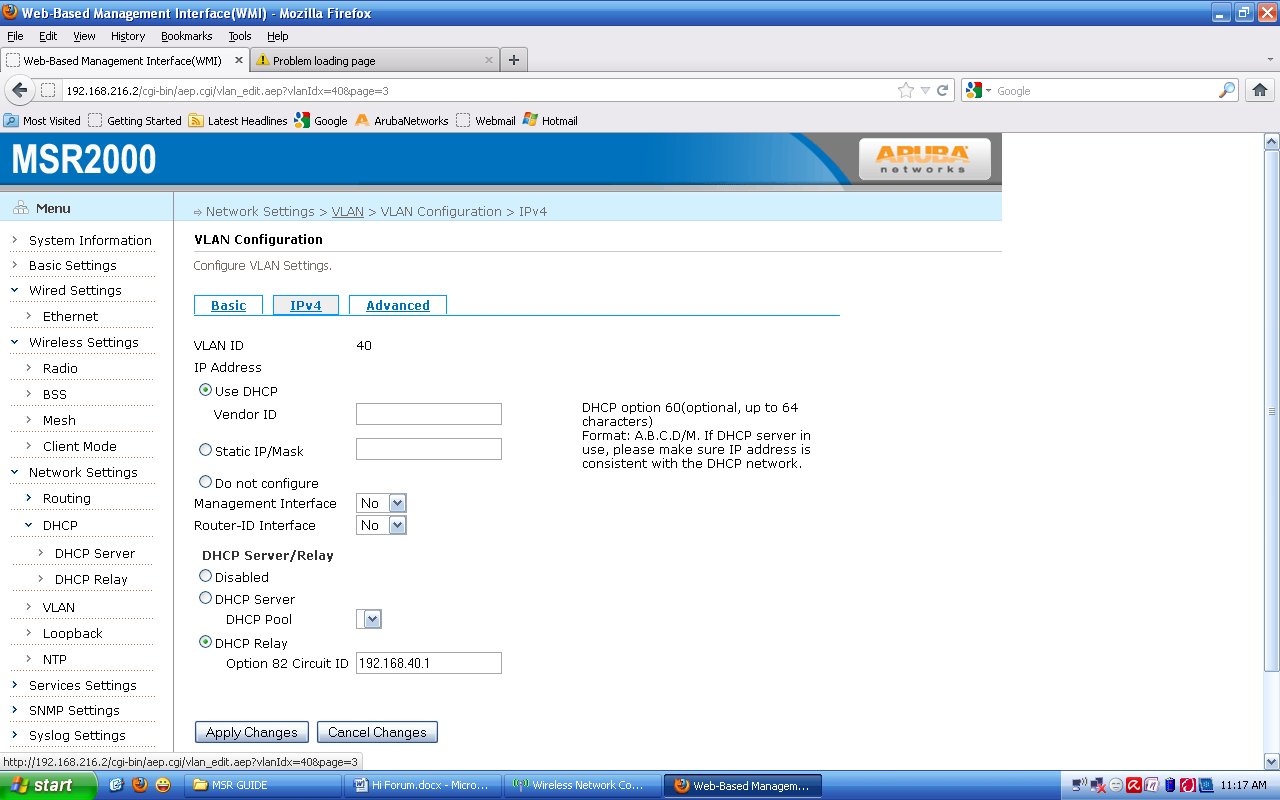
Made 2 BSS and configure VLAN in BSSs options to Access VLAN 20 & 40 simultaneously.

Configuration on MSR1 snapshots are follows:



**Snapshots of Configuration on MSR2 are following:** 



**Running Configuration of MSR1**

ip nat

ip dhcp relay

ip dhcp server

dns 4.2.2.2

pool Internal

domain-name www.msr.com

gateway 192.168.216.1

network 192.168.216.0/24

pool-dns 4.2.2.2

range 192.168.216.100 192.168.216.200

pool MSR-Internal-Pool

domain-name www.arubanetworks.com

gateway 192.168.2.1

network 192.168.2.0/24

pool-dns 4.2.2.2

range 192.168.2.100 192.168.2.200

pool FaIz

gateway 192.168.1.1

network 192.168.1.0/24

pool-dns 4.2.2.2

range 192.168.1.100 192.168.1.120

location-info

mesh

neighbor-list

authentication open key-management wpa

psk ascii ZHTDemoMesh

mesh-id ZHTDemoMesh

neighbor-list-type inactive

preferred-link 1

neighbor host MSR2K-Node2

preferred channel 165

preferred radio 1

router awr

debug error

enable

router multicast

debug state

disable

router ospf

debug none

enable

redistribute awr

service avt

mode disabled

service ntp

disable

service recovery

debug-level error

enable

service rf-management

debug process

service roaming-motrix

debug-level dump

disable

service vplm

allowed-vlan auto

enable

country-code US

hostname MSR2K-1-Portal

interface dot11radio 0

antenna-gain 5

beacon-interval 100

bss 15

access-list

ssid ZHTDemo

switchport access vlan 1

wmm

bss 2

access-list

access-category be

multicast-optimization

multicast-rate 11

ssid MSR1-Demo

switchport access vlan 2

wmm

bss 14

access-list

access-category be

ssid ZHT-20

switchport access vlan 20

wmm

bss 1

access-list

ssid ZHT-40

switchport access vlan 40

wmm

bss 6

access-list

access-category be

multicast-optimization

multicast-rate 11

ssid Faiz

switchport access vlan 5

wmm

bss 10

access-list

access-category be

multicast-optimization

multicast-rate 11

ssid Faisal

switchport access vlan 100

wmm

channel-list bg 1,6,11

cts-protection disable

txpower 23

wireless-mode ng

interface dot11radio 1

antenna-gain 5

beacon-interval 100

cts-protection disable

txpower 24

wds auto

max-auto-wds 2

wireless-mode na

interface gigabit-ethernet 0

mode gateway

switchport trunk allowed-vlan 1-2,20,40

switchport site-id 1

interface loopback 0

ip address from-mac

router-id

interface vlan 1

dhcp server Internal

ip address 192.168.216.1/24

management

mtu 1500

interface vlan 2

description MSR1-Demo-VLAN

dhcp server MSR-Internal-Pool

ip address 192.168.2.10/24

mtu 1500

interface vlan 5

dhcp server FaIz

ip address 192.168.1.11/24

mtu 1500

interface vlan 20

dhcp relay option circuit-id 192.168.20.1

ip address 192.168.20.2/24

mtu 1500

interface vlan 40

dhcp relay option circuit-id 192.168.40.1

ip address 192.168.40.2/24

mtu 1500

interface vlan 100

ip address 192.168.100.1/24

mtu 1500

ip telnet server

local-ip 192.168.11.1/24

mesh installation outdoor

snmp-server syscontact support@arubanetworks.com

snmp-server syslocation BeiJing

snmp-server community public ro

snmp-server community private rw

snmp-server trap open client\_online

snmp-server trap open client\_offline

**Running Config on MSR2**

ip nat

ip dhcp relay

dhcp-servers 192.168.216.1

ip dhcp server

location-info

mesh

neighbor-list

authentication open key-management wpa

psk ascii ZHTDemoMesh

mesh-id ZHTDemoMesh

neighbor-list-type inactive

preferred-link 1

neighbor host MSR2K-1-Portal

preferred channel 165

preferred radio 1

router awr

debug error

enable

router multicast

debug state

disable

router ospf

debug none

disable

service avt

mode disabled

service ntp

disable

service recovery

debug-level error

enable

service rf-management

debug process

service roaming-motrix

debug-level dump

disable

service vplm

allowed-vlan auto

enable

stp-compatible

country-code US

hostname MSR2K-Node2

interface dot11radio 0

antenna-gain 5

beacon-interval 100

bss 15

access-list

ssid ArubaDemo2

switchport access vlan 1

wmm

bss 2

access-list

access-category be

description Configure on MSR1

multicast-optimization

multicast-rate 11

ssid MSR2-Demo

switchport access vlan 5

wmm

bss 14

access-list

ssid ZHT-20-N2

switchport access vlan 20

wmm

bss 1

access-list

ssid ZHT-40-N2

switchport access vlan 40

wmm

bss 10

access-list

ssid Faisal-2

switchport access vlan 100

wmm

channel-list bg 1,6,11

cts-protection disable

txpower 23

wireless-mode ng

interface dot11radio 1

antenna-gain 5

beacon-interval 100

cts-protection disable

txpower 24

wds auto

max-auto-wds 2

wireless-mode na

interface gigabit-ethernet 0

mode none

switchport trunk allowed-vlan 1-2,20,40

switchport site-id 1

interface loopback 0

interface vlan 1

dhcp relay option circuit-id 192.168.216.1/24

ip address 192.168.216.2/24

management

mtu 1500

interface vlan 5

dhcp relay option circuit-id 192.168.1.11

ip address 192.168.1.12/24

mtu 1500

interface vlan 20

dhcp relay option circuit-id 192.168.20.1

ip address 192.168.20.3/24

mtu 1500

interface vlan 40

dhcp relay option circuit-id 192.168.40.1

ip address dhcp

mtu 1500

interface vlan 100

dhcp relay option circuit-id 192.168.216.1

ip address dhcp

mtu 1500

ip telnet server

mesh installation outdoor

snmp-server syscontact support@arubanetworks.com

snmp-server syslocation BeiJing

snmp-server community public ro

snmp-server community private rw

snmp-server trap open client\_online

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