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

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snmp-server trap open client\_online

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