

R2 (RR Client)

R1

bgp\_evpn\_ibgp\_vlan.pcapng

BGP OPEN

Frame 1 |  
2020-08-02T19:44:35.145459Z

ID My AS	100
Hold Time	180
ID BGP Identifier	10.0.0.2
Capability	Multiprotocol extensions capability
AFI	Layer-2 VPN (25)
SAFI	EVPN (70)
Capability	Route Refresh Capability (Cisco)
Capability	Route refresh capability
Capability	Enhanced route refresh capability
Capability	Support for 4-octet AS number capability

BGP OPEN

Frame 2 |  
2020-08-02T19:44:35.148815Z

ID My AS	100
Hold Time	180
ID BGP Identifier	10.0.0.1
Capability	Multiprotocol extensions capability
AFI	Layer-2 VPN (25)
SAFI	EVPN (70)
Capability	Route Refresh Capability (Cisco)
Capability	Route refresh capability
Capability	Enhanced route refresh capability
Capability	Support for 4-octet AS number capability

BGP KEEPALIVE

Frame 3 |  
2020-08-02T19:44:35.149757Z

BGP KEEPALIVE

Frame 4 |  
2020-08-02T19:44:35.150442Z

BGP KEEPALIVE

Frame 5 |  
2020-08-02T19:44:35.15349Z

BGP UPDATE

Frame 6 |  
2020-08-02T19:44:35.15551Z

<input checked="" type="checkbox"/> MP_REACH_NLRI	
Address family identifier (AFI)	Layer-2 VPN (25)
Subsequent address family identifier (SAFI)	EVPN (70)
Next hop	10.0.0.1
Route Type	Inclusive Multicast Route (3)
Route Distinguisher	0000006400000003 (100:3)
Ethernet Tag ID	0
IPv4 address	10.0.0.1
Path Attribute - ORIGIN	INCOMPLETE
AS_PATH	empty
Path Attribute - MULTI_EXIT_DISC	0
LOCAL_PREF	100
EXTENDED_COMMUNITIES	
Route Target	100:34 [Transitive 2-Octet AS-Specific]
Path Attribute - PMSI_TUNNEL_ATTRIBUTE	

BGP UPDATE

<input checked="" type="checkbox"/> MP_REACH_NLRI	
Address family identifier (AFI)	Layer-2 VPN (25)
Subsequent address family identifier (SAFI)	EVPN (70)
Next hop	10.0.0.1
Route Type	MAC Advertisement Route (2)
Route Distinguisher	0000006400000003 (100:3)
Ethernet Tag ID	0
MAC Address	aa:bb:cc:00:01:20
Path Attribute - ORIGIN	INCOMPLETE
AS_PATH	empty
Path Attribute - MULTI_EXIT_DISC	0
LOCAL_PREF	100
EXTENDED_COMMUNITIES	
Route Target	100:34 [Transitive 2-Octet AS-Specific]

BGP UPDATE

R2 (RR Client)

R1

MP_UNREACH_NLRI (Withdraw)	
Address family identifier (AFI)	Layer-2 VPN (25)
Subsequent address family identifier (SAFI)	EVPN (70)

BGP UPDATE

<input checked="" type="checkbox"/> MP_REACH_NLRI	
Address family identifier (AFI)	Layer-2 VPN (25)
Subsequent address family identifier (SAFI)	EVPN (70)
Next hop	10.0.0.2
Route Type	MAC Advertisement Route (2)
Route Distinguisher	0000006400000003 (100:3)
Ethernet Tag ID	0
MAC Address	aa:bb:cc:00:02:20
Path Attribute - ORIGIN	INCOMPLETE
AS_PATH	empty
Path Attribute - MULTI_EXIT_DISC	0
LOCAL_PREF	100
EXTENDED_COMMUNITIES	
Route Target	100:34 [Transitive 2-Octet AS-Specific]

BGP UPDATE

<input checked="" type="checkbox"/> MP_REACH_NLRI	
Address family identifier (AFI)	Layer-2 VPN (25)
Subsequent address family identifier (SAFI)	EVPN (70)
Next hop	10.0.0.2
Route Type	Inclusive Multicast Route (3)
Route Distinguisher	0000006400000003 (100:3)
Ethernet Tag ID	0
IPv4 address	10.0.0.2
Path Attribute - ORIGIN	INCOMPLETE
AS_PATH	empty
Path Attribute - MULTI_EXIT_DISC	0
LOCAL_PREF	100
EXTENDED_COMMUNITIES	
Route Target	100:34 [Transitive 2-Octet AS-Specific]
Path Attribute - PMSI_TUNNEL_ATTRIBUTE	

Frame 7 |  
2020-08-02T19:44:36.167192Z