

R7

R5

bgp_vpnv46_ibgp_init.pcapng

BGP OPEN

Frame 1 |
2020-07-29T17:01:43.443881Z

ID My AS	400
Hold Time	180
ID BGP Identifier	10.0.0.7
Capability	Multiprotocol extensions capability
AFI	IPv6 (2)
SAFI	Labeled VPN Unicast (128)
Capability	Multiprotocol extensions capability
AFI	IPv4 (1)
SAFI	Labeled VPN Unicast (128)
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 |
2020-07-29T17:01:43.44451Z

ID My AS	400
Hold Time	180
ID BGP Identifier	10.0.0.5
Capability	Multiprotocol extensions capability
AFI	IPv6 (2)
SAFI	Labeled VPN Unicast (128)
Capability	Multiprotocol extensions capability
AFI	IPv4 (1)
SAFI	Labeled VPN Unicast (128)
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 |
2020-07-29T17:01:43.444524Z

BGP KEEPALIVE

Frame 4 |
2020-07-29T17:01:43.444815Z

BGP KEEPALIVE

Frame 5 |
2020-07-29T17:01:43.447126Z

BGP UPDATE

Frame 6 |
2020-07-29T17:01:43.447246Z

<input checked="" type="checkbox"/> MP_REACH_NLRI	
Address family identifier (AFI)	IPv6 (2)
Subsequent address family identifier (SAFI)	Labeled VPN Unicast (128)
Next hop	RD=0:0 IPv6=::ffff:10.0.0.5
Path Attribute - ORIGIN	IGP
AS_PATH	100
Path Attribute - MULTI_EXIT_DISC	0
LOCAL_PREF	100
EXTENDED_COMMUNITIES	
Route Target	400:1 [Transitive 2-Octet AS-Specific]

BGP UPDATE

<input checked="" type="checkbox"/> MP_REACH_NLRI	
Address family identifier (AFI)	IPv6 (2)
Subsequent address family identifier (SAFI)	Labeled VPN Unicast (128)
Next hop	RD=0:0 IPv6=::ffff:10.0.0.5
Path Attribute - ORIGIN	IGP
AS_PATH	100
Path Attribute - MULTI_EXIT_DISC	0
LOCAL_PREF	100
EXTENDED_COMMUNITIES	
Route Target	400:1 [Transitive 2-Octet AS-Specific]

BGP UPDATE

<input checked="" type="checkbox"/> MP_REACH_NLRI	
Address family identifier (AFI)	IPv6 (2)
Subsequent address family identifier (SAFI)	Labeled VPN Unicast (128)

R7

R5

Next hop	RD=0:0 IPv6=::ffff:10.0.0.5
Path Attribute - ORIGIN	IGP
AS_PATH	100 200
Path Attribute - MULTI_EXIT_DISC	0
LOCAL_PREF	100
EXTENDED_COMMUNITIES	
Route Target	400:1 [Transitive 2-Octet AS-Specific]

BGP UPDATE

<input type="checkbox"/> MP_UNREACH_NLRI (Withdraw)	
Address family identifier (AFI)	IPv6 (2)
Subsequent address family identifier (SAFI)	Labeled VPN Unicast (128)

BGP KEEPALIVE

BGP UPDATE

<input checked="" type="checkbox"/> MP_REACH_NLRI	
Address family identifier (AFI)	IPv6 (2)
Subsequent address family identifier (SAFI)	Labeled VPN Unicast (128)
Next hop	RD=0:0 IPv6=::ffff:10.0.0.7
Path Attribute - ORIGIN	IGP
AS_PATH	300
Path Attribute - MULTI_EXIT_DISC	0
LOCAL_PREF	100
EXTENDED_COMMUNITIES	
Route Origin	400:1 [Transitive 2-Octet AS-Specific]
Route Target	400:1 [Transitive 2-Octet AS-Specific]

BGP UPDATE

<input checked="" type="checkbox"/> MP_REACH_NLRI	
Address family identifier (AFI)	IPv6 (2)
Subsequent address family identifier (SAFI)	Labeled VPN Unicast (128)
Next hop	RD=0:0 IPv6=::ffff:10.0.0.7
Path Attribute - ORIGIN	IGP
AS_PATH	300 500
Path Attribute - MULTI_EXIT_DISC	0
LOCAL_PREF	100
EXTENDED_COMMUNITIES	
Route Origin	400:1 [Transitive 2-Octet AS-Specific]
Route Target	400:1 [Transitive 2-Octet AS-Specific]

BGP UPDATE

<input type="checkbox"/> MP_UNREACH_NLRI (Withdraw)	
Address family identifier (AFI)	IPv6 (2)
Subsequent address family identifier (SAFI)	Labeled VPN Unicast (128)

BGP UPDATE

<input checked="" type="checkbox"/> MP_REACH_NLRI	
Address family identifier (AFI)	IPv4 (1)
Subsequent address family identifier (SAFI)	Labeled VPN Unicast (128)
Next hop	RD=0:0 IPv4=10.0.0.5
Path Attribute - ORIGIN	IGP
AS_PATH	100
Path Attribute - MULTI_EXIT_DISC	0
LOCAL_PREF	100
EXTENDED_COMMUNITIES	
Route Target	400:1 [Transitive 2-Octet AS-Specific]

BGP UPDATE

<input checked="" type="checkbox"/> MP_REACH_NLRI	
Address family identifier (AFI)	IPv4 (1)
Subsequent address family identifier (SAFI)	Labeled VPN Unicast (128)
Next hop	RD=0:0 IPv4=10.0.0.5
Path Attribute - ORIGIN	IGP
AS_PATH	100
Path Attribute - MULTI_EXIT_DISC	0
LOCAL_PREF	100

Frame 7 | 2020-07-29T17:01:43.447247Z

Frame 8 | 2020-07-29T17:01:43.447376Z

Frame 9 | 2020-07-29T17:01:43.447418Z

R7

R5

EXTENDED_COMMUNITIES	
Route Target	400:1 [Transitive 2-Octet AS-Specific]

BGP UPDATE

MP_REACH_NLRI	
Address family identifier (AFI)	IPv4 (1)
Subsequent address family identifier (SAFI)	Labeled VPN Unicast (128)
Next hop	RD=0:0 IPv4=10.0.0.5
Path Attribute - ORIGIN	IGP
AS_PATH	100 200
Path Attribute - MULTI_EXIT_DISC	0
LOCAL_PREF	100
EXTENDED_COMMUNITIES	
Route Target	400:1 [Transitive 2-Octet AS-Specific]

BGP UPDATE

MP_UNREACH_NLRI (Withdraw)	
Address family identifier (AFI)	IPv4 (1)
Subsequent address family identifier (SAFI)	Labeled VPN Unicast (128)

BGP UPDATE

MP_REACH_NLRI	
Address family identifier (AFI)	IPv4 (1)
Subsequent address family identifier (SAFI)	Labeled VPN Unicast (128)
Next hop	RD=0:0 IPv4=10.0.0.7
Path Attribute - ORIGIN	IGP
AS_PATH	300
Path Attribute - MULTI_EXIT_DISC	0
LOCAL_PREF	100
EXTENDED_COMMUNITIES	
Route Origin	400:1 [Transitive 2-Octet AS-Specific]
Route Target	400:1 [Transitive 2-Octet AS-Specific]

BGP UPDATE

MP_REACH_NLRI	
Address family identifier (AFI)	IPv4 (1)
Subsequent address family identifier (SAFI)	Labeled VPN Unicast (128)
Next hop	RD=0:0 IPv4=10.0.0.7
Path Attribute - ORIGIN	IGP
AS_PATH	300 500
Path Attribute - MULTI_EXIT_DISC	0
LOCAL_PREF	100
EXTENDED_COMMUNITIES	
Route Origin	400:1 [Transitive 2-Octet AS-Specific]
Route Target	400:1 [Transitive 2-Octet AS-Specific]

BGP UPDATE

MP_UNREACH_NLRI (Withdraw)	
Address family identifier (AFI)	IPv4 (1)
Subsequent address family identifier (SAFI)	Labeled VPN Unicast (128)

BGP KEEPALIVE

BGP KEEPALIVE

Frame 10 |
2020-07-29T17:01:43.447431Z

Frame 11 |
2020-07-29T17:02:31.307189Z

Frame 12 |
2020-07-29T17:02:31.815323Z