Term	Description		Troubleshoot & Verify			Configuration			
VRF	(Virtual Routing and Forwarding)	show mpls [interfaces/ldp neighbors]			GI	Global Configuration			
MP-	(Multi-protocol BGP)	debug mpls			ip cef <distributed></distributed>				
BGP COLUMN TO CALL TO			show ip vrf interfaces			mpls ip			
VPNv4	96-bit address comprising 64-bit RD and 32-bit IP address	show ip route vrf <name> < IP></name>			mpls label protocol ldp tdp				
	(Route Distinguisher) It is 64-bit value that allows overlapping address space between different		show ip bgp vpnv4 rd <value></value>			mpls ldp router-id loopback 0			
RD			show ip bgp vpnv4 vrf <name> <summary></summary></name>						
	customers in MP-BGP.	Ping/Traceroute vrf <name> <ip></ip></name>			Interface configuration				
RT	(Route Target) It is 64-bit bgp community used to	show ip bgp vpnv4 vrf <name> neigh <ip> [policy/route/advertised-routes]</ip></name>			mpls ip				
100	transfer routes between VRF's/VPNS				mpls mtu <size></size>				
LDP	(Label Distribution Protocol) RFC 3036	MPLS Protocol Header							
TDP	(Tag distribution Protocol) Cisco Proprietary			Layer 3 Payload	Label	20 bits			
LSP	(Label Switched Path) It is a path through an MPL network, set up by a signalling protocol such as LI	Link Layer Header Will LS Laber Layer 3 Header			Layer 3 Fayloau				
	(Forwarding Equivalence Class) Group of packets		0 19 22 23				EXP	3 bits	
FEC	forwarded o same path with the same path attrib	Bottom of Stack 1 bit				1 bit			
LSR	(Label Switching Router) The LSR determines what label		Label Exp S			TTL 31	Time to Live	8 bits	
LSN	operation needs to be performed - swap, push, o	116							
MPLS Router Roles				Table		Description			
		Р	Provider Router	LIB	1	(Label Information Base) Includes labels learned by			
C	CE PE P PE CE C	PE	Provider Edge Router	FIB	LSR through LDP				
		CE	Customer Edge Router		(Forwarding Information Base) Contains values in Routing database for unlabelled packets				
Customer Network Customer Network C		Customer Router			Table is filled with best routes label values				