

# Free download Ccie chapter 19 mpls unicast vpn (Download Only)

this document provides a sample configuration and general guidelines to configure multicast support for multiprotocol label switching mpls vpns this feature was introduced in cisco ios software release 12 0 23 s and 12 2 13 t the bgp evpn over multiprotocol label switching mpls feature utilizes the functionality defined in rfc 7432 bgp mpls based ethernet vpn to achieve evpn over mpls functionality between provider edge pe and customer edge ce devices mvpn ip allows a service provider to configure and support multicast traffic in an mpls vpn environment this feature supports routing and forwarding of multicast packets for each individual vrf instance and it also provides a mechanism to transport vpn multicast packets across the service provider backbone mp bgp supports ipv4 unicast multicast ipv6 unicast multicast and it has support for vpv4 routes to exchange vpv4 routes mp bgp uses a new nlri network layer reachability information format that has the following attributes rd route distinguisher ipv4 prefix next hop vpn label mpls vpns use mpls unicast ip forwarding inside the sp s network with additional mpls aware features at the edge between the provider and the customer additionally mpls vpns use mp bgp to overcome some of the challenges when connecting an ip network to a large number of customer ip internetworks problems that include the issue of dealing this chapter introduces the core concepts with mpls particularly its use for unicast ip forwarding and for mpls vpns

## **multicast support for mpls vpns configuration example**

May 24 2024

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## **mpls configuration guide cisco ios xe 17 x**

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mvpn ip allows a service provider to configure and support multicast traffic in an mpls vpn environment this feature supports routing and forwarding of multicast packets for each individual vrf instance and it also provides a mechanism to transport vpn multicast packets across the service provider backbone

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## **mpls unicast ip forwarding multiprotocol label switching**

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