

Site of Origin and EIGRP

When EIGRP is used as the PE-CE routing protocol, EIGRP uses BGP extended communities to carry the EIGRP vector metric, AS number, and other information to recreate the EIGRP internal routes with the original attributes across the VPN cloud. EIGRP external routes or routes from a different autonomous system are recreated as external routes.

EIGRP uses site of origin to prevent routing loops when you have a multihomed VPN site.

You must configure the site of origin for EIGRP-based PE routes that are learned from the CE.

We recommend you use the site of origin for CE routers for better performance.

You might want to disable the BGP best path cost community option in a multihomed VPN site and use the internal routes to fully utilize all PE-CE links. The default behavior is that only one PE-CE link is used and the other PE-CE links serve as backup links.