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SKILLS

iBGP & eBGP Configuration

eBGP Multihop over Loopbacks

Route Reflectors & Confederation

Scalable BGP Architecture

Routing Policy & Optimization

Traffic Engineering (MED, LP, AS-Path)

IPv4/IPv6 Peering Strategies

Hierarchical Network Design

BGP Advanced Routing Lab EVE-NG based labs

EDUCATION

Rancho verde high school , Moreno valley — *highschool diploma*

August 2016 - April 2020

Carotol CCIE , Online — *Certification*

December 2024 - Present

EXPERIENCE

December 2023 - Present

NETWORK GENIUS LA, California— *Network Engineer*

- Developed and maintained **BGP peering strategies** using a mix of full mesh, route reflection, and loopback-based sessions.
- Integrated **Scalable BGP Architectures** for high-traffic enterprise networks; consolidated redundant peerings into route-reflector-based hierarchies.
- Conducted in-depth analysis and fine-tuned **routing hierarchy** using a tiered model (Edge → Core → Distribution) for efficient routing management.
- Built lab topologies simulating complex **BGP designs**, including confederation-AS interconnectivity and route redistribution strategies.
- Designed and deployed scalable **iBGP and eBGP topologies** across 3 data centers and 20+ branch sites.
- Configured **iBGP peering** across loopback interfaces for stability and resilience; implemented **next-hop-self** and route policies to ensure consistency.

- Managed **eBGP multihop sessions** between non-directly connected routers using Loopback peering for high-availability connections to upstream providers.
- Engineered **traffic optimization policies** using **Local Preference**, **AS Path Prepending**, and **MED** to influence outbound and inbound routing decisions.
- Reduced control-plane overhead by implementing a full **Route Reflector architecture**, eliminating 80% of manual peer configurations.
- Deployed **BGP Confederations** to separate internal ASes and improve scalability across multi-region environments

UPON REFERENCE REQUEST