Project Ideas for Huawei Network Administration

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Project Choosen Two site for one company

2.Secure Multisite BGP/MPLS Backbone with VPN Services

- What need To be done.
- Design backbone with multiple sites (datacenters + branches).
- Configure MPLS core with LDP or Segment Routing.
- Implement MP-BGP for VPNv4 routes.
- Create Layer 3 VPNs for customer separation.
- Add security features (ACLs, IPSec if needed).
- Test failover and traffic engineering..

Secure Multisite BGP/MPLS Backbone with VPN Services - Understanding Required

- BGP concepts (peering, route-reflectors, attributes).
- MPLS forwarding and label distribution.
- VPN technologies (L3VPN, CE-PE model).
- Security mechanisms for backbone traffic.