Cisco CCNA & CCNP Routing and Switching Notes

NOTES | Cisco Networking

Plain-language reference notes covering IPv4/IPv6 addressing, rapid subnetting, Cisco IOS CLI switching, VLANs, OSPF, EIGRP, BGP, redundancy, and network security.

KEY MODULES & STUDY CHECKLIST

01. IPv4/IPv6 addressing, CIDR block calculation & rapid VLSM subnetting guide
02. Enterprise switching, VLAN segmentation, 802.1Q trunking, STP & Router-on-a-Stick
03. Dynamic routing protocols: Single/Multi-area OSPF, EIGRP & BGP path attributes
04. Network security fundamentals: Standard/Extended ACLs, NAT/PAT & VPN hardening

PRACTICAL LAB COMMANDS & QUICK REFERENCE

```
! Verify interfaces, VLANs & trunks on Cisco IOS
show ip interface brief | show vlan brief | show interfaces trunk
! Inspect OSPF neighbors & active routing table
show ip ospf neighbor | show ip route ospf
! Audit access-lists & NAT translations
show access-lists | show ip nat translations
```

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