

CISCO CCNA 200 -301 LAB EXAM TOPIC GUIDE

1. Configure and Verify IPv4 Addressing and Subnetting
2. Configure and Verify IPV6 Addressing and Prefix
3. Verify IP parameters for Client OS (Windows, Mac OS, Linus)
4. Configure and verify VLANs (normal range) spanning multiple switches
 - Access ports (data and voice)
 - Default VLAN
 - Connectivity
5. Configure and verify Inter switch connectivity
 - Trunk ports
 - 802.1Q
 - Native VLAN
6. Configure and verify Layer 2 Discovery Protocols (Cisco Discovery Protocol CDP and Link Layer Discovery Protocol LLDP)
7. Configure and verify (Layer 2/Layer 3) Etherchannel (LACP)
8. Configure the components of a wireless LAN access for client connectivity using GUI only such as WLAN creation, security settings, QoS profiles, and advanced WLAN settings
9. Configure and verify IPv4 and IPv6 static routing
 - Default route
 - Network route
 - Host route
 - Floating static
10. Configure and verify single area OSPFv2
 - Neighbor adjacencies
 - Point-to-point

- Broadcast (DR/BDR selection)
 - d Router ID
11. Configure and verify inside source NAT using static and pools
 12. Configure and verify NTP operating in a client and server mode
 13. Configure and verify the DHCP client and relay
 14. Configure network devices for remote access using SSH
 15. Configure device access control using local passwords
 16. Configure and verify access control lists
 17. Configure Layer 2 security features (DHCP snooping, dynamic ARP inspection, and port security)
 18. Configure WLAN using WPA2 PSK using the GUI

Website: <https://itcareerbits.com/>