

Exam Checklist

CCNA Checklist Days 31–20	
✓	Objective
	Schedule to take the CCNA or ICND2 exam at http://www.vue.com .
	Take at least one practice CCNA exam.
	Design a set of requirements to configure a basic switched network that includes SSH for remote access. Implement your design and verify the configurations.
	Show someone the MAC address on their smartphone or other connected device. Explain the purpose of the MAC address and the meaning of each part.
	Describe how trunking works and the impact of the Dynamic Trunking Protocol.
	Design a set of requirements to configure a three-switch network with trunking and VLANs. Implement your design and verify the configurations.
	Describe the structure and operation of IPv4. List and describe the uses for the various types of IPv4 addresses.
	Develop several VLSM addressing schemes with various host requirements and implement them in a lab or simulator.
	Describe the various methods that a router can use to learn about and share knowledge of remote networks.
	Design a set of requirements to configure a three-router network with both IPv4 and IPv6 addressing using only static and default routes. Implement your design and verify the configurations.
	Design a set of requirements to configure a three-router network with IPv4 and RIPv2 routing. Implement your design and verify the configurations.
	Design a set of requirements to configure a three-switch network with VTP. Configure a domain, a password, one server, and two clients. Configure VLANs on the server and verify that the clients received the VLAN information.
	Read and review Days 31–21 in this book.
CCNA Checklist Days 20–14	
✓	Objective
	Take at least two practice CCNA exams.
	Describe the ways to modify OSPFv2 and OSPFv3, including redistributing a default route, modifying timers, and controlling the DR/BDR election.
	Design a set of requirements to configure a three-router network with IPv4 addressing and OSPFv2. Implement your design and verify the configurations.
	Design a set of requirements to configure a two-router, two-switch network with IPv4 addressing and inter-VLAN routing. Include default routing and OSPFv2. Implement your design and verify the configurations.
	Describe the types of OSPF routers and types of OSPF LSAs used in multiarea OSPF.
	Describe EIGRP characteristics, including PDMs, RTP, packet types, composite metric, and DUAL.
	Design a set of requirements to implement EIGRP for IPv4 and IPv6 on a dual-stack two-router topology.
	Specify modifications for an EIGRP for IPv4 and IPv6 implementation to fine-tune the timers, and redistribute a default route.
	Read and review Days 20–14 in this book.

CCNA Checklist Days 13–7	
✓	Objective
	Take an additional CCNA practice exam.
	Compare and contrast the implementation of CDP and LLDP.
	Describe basic security threats and the methods used to mitigate them.
	Describe the process of STP convergence.
	Compare the varieties of STP.
	Explain the difference between PVST+ and Rapid PVST+.
	Describe the benefits of EtherChannel. Compare the two EtherChannel protocols.
	Design a set of requirements to implement a two-switch topology with EtherChannel. Review implementation issues by changing the configuration parameters.
	Design a set of requirements to implement HSRP in a two-router topology. Change the requirements to implement GLBP.
	Search the Internet for various scenarios to practice designing and implementing ACLs. Most of the study resources have excellent examples.
	Design a set of requirements to implement DHCP service on a router. Dual-stack the design to include IPv4 and IPv6. Implement your design and verify the configurations.
	Read and review Days 13–7 in this book.
CCNA Checklist Days 6–1	
✓	Objective
	Design a set of requirements to implement NAT on a router. Include static, dynamic, and PAT considerations. Implement your design and verify the configurations.
	Define common WAN terminology.
	Compare various WAN connection options.
	Describe the characteristics of GRE.
	Design a set of requirements to implement GRE in a two-router topology.
	Describe the operation of PPP.
	Design a set of requirements to implement PPP with CHAP in a two-router topology.
	Describe the concept of PPPoE.
	Design a set of requirements to implement PPPoE in a two-router topology.
	Describe to a friend how QoS prioritizes Netflix streaming data over web browsing data.
	Describe the concept of cloud computing to a friend. Include a discussion of virtualization.
	Describe software-defined networking.
	Describe the process to install and remove software licenses.
	Describe the Cisco IOS file system and the process for backing up and restoring files.
	Explain the basic SNMP and syslog operation.
	Read and review Days 6–1 in this book.
	Visit the testing center and talk with the proctor at least 2 days before the exam.
	Eat a decent meal, watch a good movie, and get a good night's rest before the exam.