

ICND 1:

Part 1. Navigation and Administration

Lab Title	Book Chapter	Book Heading	Book Page #
Switch CLI EXEC Mode			
Switch CLI Configuration Process I			
Switch CLI Configuration Process II			
Router CLI EXEC Mode I			
Router CLI EXEC Mode II			
Router CLI Configuration Process	2	Configuring Static Routing	73
Setting Switch Passwords	7	Router Security	313
Configuring Switch IP settings	1	VLAN Network	22
Setting Router Passwords	7	Router Security	313
Configuring Router IP Settings	1	Network Infrastructure Design	34
Configuring Local Usernames	7	Router Security	313
Using and Suspending Telnet Sessions			
Configuring SSH	7	Network Security	314
Migrating to a new IOS image			
Setting the Configuration Register			
Comparing Configuration files	2	Configuring Static Routing	73
Examining the IP routing Table	2	Configuring RIPv2	84

Using debug	1	Routed Network	35
Testing Using Pings with Hostnames	6	Analyzing Network Data Traffic	264
Ignoring the Start-up Config file			
Booting a New Router IOS			
Terminal History I			
Terminal History II			
Topology Analysis	1	VLAN Network	19

Part 2. LAN Switching

Lab Title	Book Chapter	Book Heading	Book Page #
Interface Settings I			
Interface Settings II	7	Switch Security	318
Interface Settings III			
Switch Forwarding I			
Switch IP Connectivity	1	Network Infrastructure Design	22
VLANs I	1	VLAN Network	19
VLANs II	1	VLAN Network	19
VLANs III	1	VLAN Network	20
Interface Status I	1	VLAN Network	22
Interface Status II	1	VLAN Network	22
Interface Status III			
Interface Status IV			
Switch Security I	1	VLAN Network	19
Switch Security II	7	Switch Security	319
Switch Security III	7	Switch Security	319
Switch Security IV	7	Switch Security	319

Part 3. IP Addressing, Routing, and WANs

Lab Title	Book Chapter	Book Heading	Book Page #
Configuring IP addresses I	1	VLAN Network	22
Configuring IP addresses II			
Configuring IP	1	Routed Network	34

addresses III			
Configuring IP addresses IV	1	Routed Network	34
Connected Routes	2	Configuring Static Routing	67
Static Routes I	2	Configuring Static Routing	70
Static Routes II	2	Configuring Static Routing	70
Static Routes III	2	Configuring Static Routing	70
Static Routes IV	2	Configuring Static Routing	70
Default Routes	2	Configuring Static Routing	69
IP Classless			
Using and Suspending Telnet Sessions			
Configuring SSH	7	Network Security	314
Subnet Zero I			
Subnet Zero II			
Loopback Interfaces			
RIP Configuration I	2	Configuring RIPv2	84
RIP Configuration II	2	Configuring RIPv2	84
RIP Configuration III	2	Configuring RIPv2	86
RIP Configuration IV	2	Configuring RIPv2	92
RIP Configuration V			
RIP Configuration VI			
RIP Verification I			
RIP Verification II			
Configuring Hostnames			
PC IP Commands I			
PC IP Commands II	1	Routed Network	31
PC IP Commands III	6	Protocol Analysis/Forensics	263
Serial Link Configuration I	1	Routed Network	41
Serial Link	1	Routed Network	40

Configuration II			
Serial Link Configuration III	1	Routed Network	41
Serial Link Configuration IV	1	Routed Network	41
Interface Status V	1	Routed Network	40
Interface Status VI	1	VLAN Network	22

ICND 2:

Part 1. VLANs and Trunking

Lab Title	Book Chapter	Book Heading	Book Page #
VLAN Configuration I	1	VLAN Network	19
VLAN Configuration II	1	VLAN Network	20
VLAN Configuration III	1	VLAN Network	20
VLAN Configuration IV			
VLAN Configuration V	1	VLAN Network	26
VTP Configuration I			
VTP Configuration II			
VTP Configuration III			
VTP Configuration IV			
VTP Configuration V			
Trunking Configuration I	1	VLAN Network	26
Trunking Configuration II			
Trunking Configuration III	1	VLAN Network	26
Trunking Configuration IV	1	VLAN Network	20
STP Analysis I			
STP Analysis II			
STP Configuration I			
STP Configuration II			
STP Configuration	7	Switch Security	321

III			
EtherChannel			

Part 2. IP Addressing and Routing

Lab Title	Book Chapter	Book Heading	Book Page #
IP Addressing I	1	IP Subnet Design	13
IP Addressing II	1	Routed Network	36
IP Addressing III	1	Routed Network	34
Traceroute I	2	Configuring Static Routing	75
Default Route I	2	Configuring Static Routing	69
Zero Subnet	2	Configuring RIPv2	89
Switch IP address	1	VLAN Network	22
ACL I	7	Network Security	306
ACL II	7	Network Security	306
ACL III	7	Network Security	306
ACL IV	7	Network Security	306
ACL V	7	Network Security	306
ACL VI	7	Network Security	306
Named ACL I	7	Network Security	307
Named ACL II	7	Network Security	307
Named ACL III	7	Network Security	307
ACL Analysis I	7	Network Security	308
Auto-Summary	2	Configuring RIPv2	84
Routing Analysis	3	Configuring Hybrid Routing Protocols - EIGRP	135
Traceroute II	7	Network Security	309

Part 3. IP Routing Protocols

Lab Title	Book Chapter	Book Heading	Book Page #
EIGRP Serial Configuration I	3	Configuring Hybrid Routing Protocols - EIGRP	134
EIGRP Serial	3	Configuring	134

Configuration II		Hybrid Routing Protocols - EIGRP	
EIGRP Serial Configuration III	3	Advanced Routing Redistribution	150
EIGRP Serial Configuration IV	3	Advanced Routing Redistribution	150
EIGRP Serial Configuration V	3	Configuring Hybrid Routing Protocols - EIGRP	137
EIGRP Serial Configuration VI	3	Configuring Hybrid Routing Protocols - EIGRP	137
EIGRP Frame-Relay Configuration I			
EIGRP Frame-Relay Configuration II			
EIGRP Frame-Relay Configuration III			
EIGRP Authentication I			
EIGRP Authentication II			
EIGRP Route Tuning I	3	Configuring Hybrid Routing Protocols - EIGRP	139
EIGRP Route Tuning II	3	Configuring Hybrid Routing Protocols - EIGRP	140
EIGRP Route Tuning III			
EIGRP Route Tuning IV			
EIGRP Neighbors I	3	Configuring Hybrid Routing Protocols - EIGRP	137
EIGRP Neighbors II	3	Configuring Hybrid Routing Protocols -	137

		EIGRP	
EIGRP Neighbors III	3	Configuring Hybrid Routing Protocols - EIGRP	137
OSPF Serial Configuration I	3	Configuring Link State Protocols – OSPF	118
OSPF Serial Configuration II	3	Configuring Link State Protocols – OSPF	118
OSPF Serial Configuration III	3	Configuring Link State Protocols – OSPF	118
OSPF Serial Configuration IV	3	Configuring Link State Protocols – OSPF	118
OSPF Serial Configuration V	3	Configuring Link State Protocols – OSPF	119
OSPF Serial Configuration VI	3	Configuring Link State Protocols – OSPF	120
OSPF Router ID I	3	Configuring Link State Protocols – OSPF	121
OSPF Router ID II			
OSPF Frame-Relay Configuration I			
OSPF Frame-Relay Configuration II			
OSPF Frame-Relay Configuration III			
OSPF Authentication I			
OSPF Authentication II			
OSPF Metric Tuning I	3	Configuring Link State Protocols – OSPF	122
OSPF Metric Tuning II			
OSPF Metric Tuning III			
OSPF Neighbors I	3	Configuring Link State Protocols –	120

		OSPF	
OSPF Neighbors II	3	Configuring Link State Protocols – OSPF	120
OSPF Neighbors III	3	Configuring Link State Protocols – OSPF	120
OSPF Neighbors IV	3	Configuring Link State Protocols – OSPF	120
OSPF Neighbors V	3	Configuring Link State Protocols – OSPF	120

Part 4. WAN

Lab Title	Book Chapter	Book Heading	Book Page #
Serial Configuration I	1	Routed Network	40
Serial Configuration II	1	Routed Network	40
Serial Authentication I			
Serial Authentication II			
Frame-Relay Configuration I			
Frame-Relay Configuration II			
Frame-Relay Configuration III			
Frame-Relay Configuration IV			
Frame-Relay Configuration V			
Frame-Relay Verification I			
Frame-Relay Verification II			
Frame-Relay Verification III			

Part 4. Scaling IP

Lab Title	Book Chapter	Book Heading	Book Page #
NAT Configuration I	5	Configuring and managing the network infrastructure	228
NAT Configuration II	5	Configuring and managing the network infrastructure	229
NAT Configuration III	5	Configuring and managing the network infrastructure	229
NAT Configuration IV	5	Configuring and managing the network infrastructure	230
NAT Configuration V	5	Configuring and managing the network infrastructure	230
NAT Configuration VI	5	Configuring and managing the network infrastructure	230
NAT Configuration VII	5	Configuring and managing the network infrastructure	229
IPv6 Address Configuration I	8	Configuring a router for IPv6	359
IPv6 Address Configuration II	8	Configuring a router for IPv6	360
IPv6 Address Configuration III	8	Troubleshooting IPv6 Connection	366
IPv6 Address Configuration IV	8	Troubleshooting IPv6 Connection	366
IPv6 Address Configuration V	8	IPv6 Routing	364
IPv6 Address Configuration VI	8	IPv6 Routing	364
IPv6 Address Configuration VII	8	IPv6 Addressing	350

IPv6 Address Configuration VIII	8	Configuring a router for IPv6	360
IPv6 Address Configuration IX	8	Configuring a router for IPv6	360
IPv6 Routing Configuration I	8	IPv6 Routing	364
IPv6 Routing Configuration II	8	IPv6 Routing	364
IPv6 Routing Configuration III	8	IPv6 Routing	364
IPv6 Hostnames	8	Troubleshooting IPv6 Connection	366