Cisco Icnd1 100 101

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this book was written to help you pass the ccent exam icnd1 a certification from cisco the world s most famous company that manufactures and sells networking equipment i ve tried to cover every topic from the ccent curriculum and explain it in an easy and fun way this book covers the latest version of the exam 100 101 available since 2013 the book follows the cisco organization of topics we start with basics explaining what really a computer networks is the difference between the osi and tcp models what an

ip address is how to configure an ip address on a cisco router etc in later lessons we will go through some more advanced topics such as routing protocols ipv6 nat acls here is a list of chapters chapter 1 introduction what is a computer network osi and tcp ip models data encapsulation chapter 2 basic networking what is a hub switch bridge router collision broadcast domains explained chapter 3 tcp ip what is an ip address ip address classes types tcp udp explained chapter 4 network protocols what is telnet ssh ftp dns dhcp and other important protocols chapter 5 subnetting what is a subnet mask how to create subnets chapter 6 cisco ios ios overview how to access ios get help chapter 7 ios commands basic ios commands configure banners and descriptions configure interface ip address use cdp how to show running processes chapter 8 ip routing what is a routing table difference between static and dynamic routes what are routing protocols chapter 9 rip what is rip and how to configure it on cisco routers chapter 10 eigrp what is eigrp how eigrp forms neighbor relationships how to configure eigrp eigrp route summarization chapter 12 ospf what is ospf what are osfp areas how to configure ospf chapter 13 layer 2 switching how switches learn mac addresses and forward frames port security chapter 14 vlans what are vlans how you can configure them difference between trunk access ports chapter 15 vlan trunking protocol vtp what is vtp and what it is used for basic configuration chapter 16 access control lists acls what are acls what they are used for configure standard extended acls chapter 17 network address translation nat what is nat configure static dynamic nat and pat chapter 18 ipv6 what is ipv6 address types how to shorten an ipv6 address configure ipv6 address on a cisco router

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