

# CT.CNA Cisco Networking Academy (CTC)

## Essential Discipline Goals:

- Develop and apply the technical competency and related academic skills that allow for economic independence and career satisfaction.
- Acquire the essential learnings and values that foster continued education throughout life.
- Demonstrate the ability to communicate, solve problems, work individually and in groups, and apply information effectively.
- Develop technological literacy and the ability to adapt to future change.

## CT.CNA.10 Networking Basics

### CT.CNA.10.10 Computer Basics

CT.CNA.10.10 .100	Understands the basics of computer hardware. 1A001, 1A002, 1A003, 1A004, 2C003
CT.CNA.10.10 .102	Understands the basics of computer software. 1A001, 1A002, 1A003, 2B006, 2C003, 1A002, 2B003, 3A003
CT.CNA.10.10 .104	Understands the binary number system. 1A001 1A002 1A003 1A004 1A003 1B001
CT.CNA.10.10 .106	Understand basic networking terminology 1A001 1A002 1A003 1A004 2B001 2C003
CT.CNA.10.10 .108	Understand digital networks 1A001 1A002 1A003 1A004 2C003

### CT.CNA.10.20 Open System Interconnection (OSI) Model

CT.CNA.10.20 .100	Understand a general model of communication in terms of layers 1A001 1A002 1A003 1A004 2C003
CT.CNA.10.20 .102	Understand the Open System Interconnection (OSI) model. 1A001 1A002 1A003 1A004
CT.CNA.10.20 .104	Understand How the OSI model compares and contrasts with the Transmission Control Protocol/Internet Protocol (TCP/IP) model 1A001 1A002 1A003 1A004 2C003

### CT.CNA.10.30 Local Area Networks

CT.CNA.10.30 .100	Understand basic Local Area Network (LAN) devices 1A001 1A002 1A003 1A004 2C003
CT.CNA.10.30 .102	Understand the evolution of network devices 1A001 1A002 1A003 1A004
CT.CNA.10.30 .104	Understand the building of LANs 1A001 1A002 1A003 2B006 2C003

### CT.CNA.10.40 Electronics and Signals

CT.CNA.10.40 .100	Understand the basics of electricity 1A001 1A002 1A003 1A004 2C003
CT.CNA.10.40 .100	Understand the basics of digital multimeters 1A001 1A002 1A003 1A004 2B006 2C001 3A003
CT.CNA.10.40 .100	Understand some of the basics of signals and noise in communications systems 1A001 1A002 1A003 1A004 2C003
CT.CNA.10.40 .100	Understand the basics of the encoding of networking signals 1A001 1A002 1A003 1A004

### CT.CNA.10.50 Media, Connections and Collisions

CT.CNA.10.50 .100	Understand the most common Local Area Network (LAN) media 1A001 1A002 1A003 1A004
CT.CNA.10.50 .100	Understand cable specification and termination 1A001 1A002 1A003 1A004
CT.CNA.10.50 .102	Understand the process of making and testing cables 1A001 1A002 1A003 1A004 2C003

CT.CNA.10.50 .104	Understand Layer 1 components and devices 1A001 1A002 1A003 1A004 2C003
CT.CNA.10.50 .106	Understand collisions and collision domains in shared-layer environments 1A001 1A002 1A003 1A004 2C003
CT.CNA.10.50 .108	Understand the basic topologies used in networking 1A001 1A002 1A003 1A004 2C003
<b>CT.CNA.10.60 Concepts</b>	
CT.CNA.10.60.100	Understand Layer 2—Local Area Network (LAN) standards 1A001 1A002 1A003 1A004 2C003
CT.CNA.10.60.102	Understand Layer 2 naming—hexadecimal numbers 1A001 1A002 1A003 1B001 2B003
CT.CNA.10.60.104	Understand Layer 2 naming—MAC addressing 1A001 1A002 1A003 1A004 2C001
CT.CNA.10.60.106	Understand framing 1A001 1A002 1A003 1A004 2C003
CT.CNA.10.60.108	Understand Media Access Control (MAC) 1A001 1A002 1A003 1A004 2B001 2C003 3B001
<b>CT.CNA.10.70 Technologies</b>	
CT.CNA.10.70.100	Understand the basics of Token Ring 1A001 1A002 1A003 1A004 2C003
CT.CNA.10.70.102	Understand the basics of Fiber Distributed Data Interface (FDDI) 1A001 1A002 1A003 1A004 2C003
CT.CNA.10.70.104	Understand the details of Ethernet and Institute of Electrical and Electronic Engineers (IEEE) 802.3 standards 1A001 1A002 1A003 1A004 2C003
CT.CNA.10.70.106	Describe Layer 2 devices in detail 1A001 1A002 1A003 1A004
CT.CNA.10.70.108	Understand basic Ethernet 10BASE-T troubleshooting 1A001 1A002 1A003 1A004 2A001 2B003 2B006 2C003
<b>CT.CNA.10.80 Design and Documentation</b>	
CT.CNA.10.80.100	Understand basic network design and documentation 1A001 1A002 1A003 1A004 2C003
CT.CNA.10.80.102	Understand the process of planning structured cabling—wiring closets 1A001 1A002 1A003 1A004 2C003 3B001
CT.CNA.10.80.104	Understand the process of structured cabling—identify potential wiring closets 1A001 1A002 1A003 1A004 2C003 3B001
CT.CNA.10.80.106	Understand the process of structured cabling—selecting closets 1A001 1A002 1A003 1A004 2B006 2C003 3B001
CT.CNA.10.80.108	Understand the issues involved with horizontal and backbone network cabling 1A001 1A002 1A003 1A004 2C003
CT.CNA.10.80.110	Understand the process of planning structured cabling—electricity and grounding 1A001 1A002 1A003 1A004 2C003 5B001 5B002 5B003
CT.CNA.10.80.110	Understand the process of planning structured cabling—cabling and grounding 1A001 1A002 1A003 2C001 2C003
CT.CNA.10.80.112	Understand the development of a wiring plan for an Ethernet Star Topology LAN 1A001 1A002 1A003 2B002 2B006 2C001 2C003 3B001
CT.CNA.10.80.114	Understand the development of a wiring plan for a building with multiple earth ground problems 1A001 1A002 1A003 2B002 2B006 2C003 3B001
CT.CNA.10.80.116	Understand network power supply issues—power line problems 1A001 1A002 1A003 2C003
CT.CNA.10.80.118	Understand power supply issues—surge suppressors and uninterrupted power supply (UPS) functions 1A001 1A002 1A003 2C001 2C003 4C001

### **CT.CNA.10.90 Structured Cabling Project**

CT.CNA.10.90.100	Understand how to plan the project 1A001 1A003 2C003
CT.CNA.10.90.102	Understand RJ-45 jack and outlet installation 1A001 1A002 1A003 2B002 2B006 2C001 2C003
CT.CNA.10.90.104	Understand the basics of cable installation 1A001 1A002 1A003 2B002 2B006 2C001 2C003 3B001
CT.CNA.10.90.106	Understand the installation of structured cable runs 1A001 1A002 1A003 2B002 2C001 2C003 3B001
CT.CNA.10.90.108	Understand the basics of wiring closets and patch panels 1A001 1A002 1A003 2B001 2B006 2C001 2C003 3B001
CT.CNA.10.90.110	Understand the range of equipment for testing structured cabling projects 1A001 1A002 1A003 2B001 2C001 2C003 3B001

### **CT.CNA.10.100 Routing and Addressing**

CT.CNA.10.100.100	Understand why it is necessary to have a network layer 1A001 1A002 1A003 2C003
CT.CNA.10.100.102	Understand path determination 1A001 1A002 1A003 2C003
CT.CNA.10.100.104	Understand the purpose and operation of Internet Protocol (IP) addresses within the IP header 1A001 1A002 1A003 2B006 2C003
CT.CNA.10.100.106	Understanding and working with IP address classes 1A001 1A003 2C003
CT.CNA.10.100.108	Understand the purpose of reserved address space 1A001 1A002 1A003 2C003
CT.CNA.10.100.110	Understand the basics of subnetting 1A001 1A002 1A003 2B006 2C003
CT.CNA.10.100.112	Understand how to create a subnet 1A001 1A002 1A003 2B006 2C003

### **CT.CNA.10.110 Layer 3 Protocols**

CT.CNA.10.110.100	Understand the characteristics of Layer 3 devices 1A001 1A002 1A003 2C003
CT.CNA.10.110.102	Understand how network-layer services are used to achieve network-to-network communications 2C001 2B003
CT.CNA.10.110.104	Understand advanced ARP concepts 1A001 1A003 2A001 2B001 2B002 2B003 2B006 2C003
CT.CNA.10.110.106	Understand routable protocols 1A001 1A002 1A003 2C003
CT.CNA.10.110.108	Understand routing protocols 1A001 1A002 1A003 2B002 2C003
CT.CNA.10.110.110	Understand the function of other network layer services in Internet communication 1A003
CT.CNA.10.110.112	Understand ARP tables 1A001 1A002 1A003 2C003

### **CT.CNA.10.120 Layer 4 --The Transport Layer**

CT.CNA.10.120.100	Understand Layer 4—the Transport Layer 1A001 1A003 1A004 2A001 2B002 2B003 2B006 2C003
-------------------	---

### **CT.CNA.10.140 Layer 5 --The Session Layer**

CT.CNA.10.140.102	Layer 6 --The Presentation Layer 1A001 1A003 2C003
CT.CNA.10.140.104	Understand Layer 5—the Session Layer. 1A002
CT.CNA.10.140.108	Understand Layer 6—the Presentation Layer

1A002

### **CT.CNA.10.150 Layer 7 --The Application Layer**

CT.CNA.10.150.100	Understand Layer 7—the Application Layer 1A002 1A003 2C003
CT.CNA.10.150.102	Understand the Domain Name System (DNS) 1A001 1A003 2C001 2C003
CT.CNA.10.150.104	Understand various network applications 1A001 1A003 2C003
CT.CNA.10.150.106	Understand Application examples 1A001 1A002 1A003 2C003

### **CT.CNA.20 Routers and Routing Basics**

#### **CT.CNA.20.10 Review**

CT.CNA.20.10.100	Understand the Open System Interconnection (OSI) model 2B006 2B003
CT.CNA.20.10.102	Understand the basics of Transmission Control Protocol/Internet Protocol (TCP/IP) addressing 1A001 1A002 1A003 2B006 2C003
CT.CNA.20.10.104	Understand the host layers (The Upper 4 Layers of the OSI model) 1A002 1A003 2C003

#### **CT.CNA.20.20 WANs and Routers**

CT.CNA.20.30.100	Understand Wide Area Networks (WANs) 1A002 1A003 2C003
CT.CNA.20.30.102	Understand the basic information about routers and their use in networks 1A002 1A003 2B002 2B006 2C001 2C003

#### **CT.CNA.20.30 Router Command Line Interface (CLI)**

CT.CNA.20.30.100	Understand the basics of router's Command Line Interface (CLI.) 1A001 1A002 1A003 2C003
CT.CNA.20.30.102	Demonstrate how to use the router interface and interface modes 1A001 1A002 1A003 1A004 2B006 2C003

#### **CT.CNA.20.40 Router Components**

CT.CNA.20.40.100	Understand router components 2B006 2B003
CT.CNA.20.40.102	Understand router show commands 1A002 1A003 2B002 2B006 2C003
CT.CNA.20.40.104	Understand router's network neighbors 1A001 1A003 2B002 2B006 2C003
CT.CNA.20.40.106	Understand basic network testing commands 2B006 1A002 2B003
CT.CNA.20.40.108	Demonstrate ability with a range of show and testing commands 2B006 1A002

#### **CT.CNA.20.50 Router Start Up and Set Up**

CT.CNA.20.50.100	Understand the router boot sequence and setup mode 2C001 2B003
CT.CNA.20.50.102	Demonstrate ability to understand the system configuration dialog 2B006 2B003
CT.CNA.20.50.104	Demonstrate ability to configure a router from setup mode 2B006 2B003 3A003

#### **CT.CNA.20.60 Router Configuration**

CT.CNA.20.60.100	Understand router configuration file information 2B006 2B003
------------------	---

CT.CNA.20.60.102	Understand router configuration modes 2B003
CT.CNA.20.60.104	Demonstrate router configuration methods 1A002 2A001 2B003 4E005 5F004
CT.CNA.20.60.106	Demonstrate router interface configuration 2B003
<b>CT.CNA.20.70 Internetwork Operating System (IOS) Images</b>	
CT.CNA.20.70.100	Understand bootstrap options in software 1A001 1A002 1A003 2C003 2B003
CT.CNA.20.70.102	Understand IOS naming and software image backup 1A001 1A002 1A003 2C003 2B003
<b>CT.CNA.20.80 Router Configuration 2</b>	
CT.CNA.20.80.100	Demonstrate the ability to fully configure a router from the Command Line Interface (CLI), after start-up configuration has been erased. 1A002 2B003
CT.CNA.20.80.100	Demonstrate the ability to configure a router 2B006 1A002 2A003 2B003
<b>CT.CNA.20.90 Transmission Control Internet Protocol/Internet Protocol (TCP/IP)</b>	
CT.CNA.20.90.100	Understand the Transmission Control Protocol/Internet Protocol (TCP/IP) suite 1A001 1A002 1A003 2B002 2C003
CT.CNA.20.90.102	Understand some important Layer 3 concepts 2B006 2C001 1A002 2B003
<b>CT.CNA.20.100 Internet Protocol Addressing</b>	
CT.CNA.20.100.100	Understand Internet Protocol (IP) Addressing and subnetting 2B006 1A002 2B003
CT.CNA.20.100.102	Understand the role of Domain Name System (DNS) in router configurations 1A002 1A003 2C003
CT.CNA.20.100.104	Understand the how to verify address configuration 1A002 1A003 2C003
CT.CNA.20.100.106	Demonstrate the ability to assign new subnet numbers to the topology 1A002 1A003 2C003 5F004
<b>CT.CNA.20.110 Routing</b>	
CT.CNA.20.110.100	Understand routing basics 1A002 1A003 2B002 2C003
CT.CNA.20.110.102	Understand why routing protocols are necessary 1A002 1A003 2C003
CT.CNA.20.110.104	Understand distance-vector routing 1A002 1A003 2C003
CT.CNA.20.110.106	Understand link-state routing 1A002 1A003 2C003
CT.CNA.20.110.108	Understand the context of different routing protocols 1A001 1A002 1A003 2C003 2B003
<b>CT.CNA.20.120 Routing Protocols</b>	
CT.CNA.20.120.100	Understand initial router configuration 2B006 1A002 2B003
CT.CNA.20.120.102	Understand interior and exterior routing protocols 1A001 1A002 1A003 1A004 2C003
CT.CNA.20.120.104	Understand Routing Information Protocol (RIP) 1A002 1A003 2C003
CT.CNA.20.120.106	Understand Interior Gateway Routing Protocol (IGRP) 1A002 1A003 1A004 2C003

CT.CNA.20.120.108 Demonstrate the ability to use a variety of Internetwork Operating System (IOS) commands  
1A002 2B003

**CT.CNA.20.130 Network Troubleshooting**

CT.CNA.20.130.100 Understand how to troubleshoot the five-router network  
1A002 1A003 2B002 2B006 2C003

**CT.NA.30 ??????**

**CT.CNA.30 The Open System Interconnection (OSI) Reference Model and Routing**

CT.CNA.30.10.100 Describe the Open System Interconnection (OSI) reference model and explain the problems it solves

1A002 1A003 2B006 2C003 1A002 2B003

CT.CNA.30.10.102 Explain the Data Link Layer of the OSI Reference model

1A002 1A003 2C003

CT.CNA.30.10.104 Explain network layer functions

1A002 1A003 1A002

CT.CNA.30.10.106 Explain routing and the different classes of routing protocols

1A002 1A003 1A004 2C003 1A002

CT.CNA.30.10.108 Explain the Transport Layer of the OSI reference model

1A002 1A003 2B006 2C003 1A002 2B003

**CT.CNA.30.20 Local Area Network (LAN) Switching**

CT.CNA.30.20.100 Explain various Local Area Network (LAN) communication problems

1A002 1A003 1A002

CT.CNA.30.20.102 Explain full-duplex transmitting, fast ethernet standard and LAN segmentation.

1A002

CT.CNA.30.20.104 Explain switching and Virtual LANs (VLANs)

1A002 1A003 2B006 2C003 1A002

CT.CNA.30.20.106 Explain the Spanning-Tree Protocol

1A002 1A003 2B002 2C001 2C003 2B003

**CT.CNA.30.30 Virtual Local Area Networks (VLANs)**

CT.CNA.30.30.100 Explain Virtual Local Area Networks (VLANs)

1A003 2B003

CT.CNA.30.30.102 Explain segmentation with switching architectures

1A002 1A003 2C003 1A002

CT.CNA.30.30.104 Explain VLAN implementation

1A002 1A003 2B006 2C003

CT.CNA.30.30.106 Explain the benefits of VLANs

1A002 1A003 2B002 2B006 2C003 2B003

**CT.CNA.30.40 Local Area Network (LAN) Design**

CT.CNA.30.40.100 Explain Local Area Network (LAN) design goals and components

1A002 1A003 2B002 2B006 2C003 1A002

CT.CNA.30.40.102 Explain network design methodology

2B006 1A002 2B003 2C001

CT.CNA.30.40.104 Explain Layer 1 design

1A002 1A003 2B002 2B006 2C003 3A001 1A001 1A002 2B003

CT.CNA.30.40.106 Explain Layer 2 design

1A002 1A003 2B002 2B006 2C003 1A002 2B003

CT.CNA.30.40.108 Explain Layer 3 design

1A001 1A002 1A003 1A004 2B002 2B003 2B006 2C003 1A002 2B003

**CT.CNA.30.50 Routing Protocols: Interior Gateway Routing Protocol (IGRP)**

CT.CNA.30.50.100 Explain the network layer basics

1A002 1A003 2C003 1A002

CT.CNA.30.50.102 Explain routed and routing protocols

1A002 1A003 2B006 2C003 2B003

CT.CNA.30.50.104 Explain Internet Protocol (IP) routing protocols

1A002 1A003 2C003 1A002 2B003

CT.CNA.30.50.106 Explain Interior Gateway Routing Protocol (IGRP) operation

1A001 1A002 1A003 1A004 2B002 2B006 2C003 1A002 2B003

**CT.CNA.30.60 Access Control Lists (ACLs)**

- CT.CNA.30.60.100 Explain Access Control Lists (ACLs)  
1A002 1A003 2B001 2B002 2B003 2B006 2C003 1A002 2B003 4E005
- CT.CNA.30.60.102 Explain ACL Configuration Tasks  
1A002 1A003 2B002 2C003 1A002
- CT.CNA.30.60.104 Explain standard ACLs  
1A002 1A003 2B006 2C003 1A002 2B003
- CT.CNA.30.60.106 Explain extended ACLs  
1A002 1A003 2C003 1A002
- CT.CNA.30.60.108 Explain named ACLs  
1A002 1A003 2B002
- CT.CNA.30.60.110 Explain using ACLs with protocols  
1A002
- CT.CNA.30.60.112 Explain placing ACLs  
1A002 1A003 2C003 1A002
- CT.CNA.30.60.114 Explain verifying ACLs  
1A002 1A003 2A001 2B001 2B002 2B003 2B006 2C003

**CT.CNA.30.80 Novell Internet Packet Exchange (IPX)**

- CT.CNA.30.80.100 Explain Cisco routers in Netware Networks  
1A001 1A002 1A003 2B002 2C003
- CT.CNA.30.80.102 Explain Novell encapsulation  
1A002 1A003 2B002 2B006 2C003 1A002 2B003
- CT.CNA.30.80.104 Explain Novell routing  
1A002 1A003 2B002 2C003
- CT.CNA.30.80.106 Explain Novell IPX configuration  
1A002 1A003 2B002 2B006 2C003 2B003
- CT.CNA.30.80.108 Explain monitoring and managing an IPX network  
1A002 1A003 2B001 2B002 2B003 2B006 2C001 2C003  
3A001 1A002 2B003 3B003

**CT.CNA.30.100 Network Management**

- CT.CNA.30.100.100 Explain network documentation  
2B006 2B003 4E005
- CT.CNA.30.100.102 Explain network security  
1A002 1A003 2C003
- CT.CNA.30.100.104 Explain environmental factors  
1A002 1A003 2B002 2C003 3A001
- CT.CNA.30.100.106 Explain network performance  
1A002 1A003 2B002 2C003
- CT.CNA.30.100.108 Explain network troubleshooting  
1A002 1A003 2B002 2B003 2B006 2C003 2B003

**CT.NA.40 ??????**

**CT.CNA.40.10 Review**

- CT.CNA.40.10.100 Understand the advantages of Local Area Network (LAN) switching  
2B003
- CT.CNA.40.10.102 Understand the benefits of Virtual Lans (VLANs)  
1A002 1A003 2B001 2B002 2C003
- CT.CNA.40.10.104 Understand LAN design topologies and requirements  
1A002 1A003 2B002 2B003 2B006 2C001 2C003 1A001  
1A002 2B003
- CT.CNA.40.10.106 Understand the selection of routing protocols  
1A001 1A002 1A003 1A002
- CT.CNA.40.10.108 Understand the use of access lists  
1A001 1A002 1A003 2B006 1A002 2B003
- CT.CNA.40.10.110 Understand Internet Packet Exchange (IPX) routing protocols  
1A002 1A003 2B002 2B003 2B006 2C003 1A002 2B003
- CT.CNA.40.10.112 Chapter 1 Summary Task  
1A002 1A003 2B003 2B006 2C003 1A002 1B001 2B003

### **CT.CNA.40.20 Wide Area Networks (WANs)**

- CT.CNA.40.20.100 Understand common Wide Area Network (WAN) technologies  
1A001 2C003 1A002
- CT.CNA.40.20.102 Explain WAN devices  
1A001 2B006 2C003 1A002
- CT.CNA.40.20.104 Explain how WANs relate to the Open System Interconnection (OSI) model  
1A001 2C003
- CT.CNA.40.20.106 Explain WAN encapsulation formats  
1A001 2B006 2C001 2C003 1A002 2B003
- CT.CNA.40.20.108 Explain WAN link options  
1A001 1A002 1A003 2B006 2C003 1A002 2B003
- CT.CNA.40.20.110 Chapter 2 Summary Task  
1A001 2B006 2C003 2B003 3B003

### **CT.CNA.40.30 Wide Area Network (WAN) Design**

- CT.CNA.40.30.100 Explain the first steps in WAN design  
1A002 1A003 2A001 2B001 2B002 2B003 2B006 2C003  
1A002 1B001 1B002 2B003 3A003
- CT.CNA.40.30.102 Identify and select networking capabilities  
2B006 2C001 1A002 2B003
- CT.CNA.40.30.104 Chapter 3 Summary Task  
1A002 1A003 2A001 2B001 2B002 2B003 2B006 2C003  
3A001 1A002 2B003

### **CT.CNA.40.40 Point-To-Point Protocol**

- CT.CNA.40.40.100 Understand Point-to-Point Protocol (PPP)  
1A002 1A003 2C003 1A002
- CT.CNA.40.40.102 Explain PPP session establishment  
1A002 1A003 2A001 2B001 2B002 2B003 2B006  
2C001 2C003 3A001 1A002 2B003
- CT.CNA.40.40.104 Explain PPP authentication  
1A002 1A003 2B002 2B003 2B006 2C003 2B003
- CT.CNA.40.40.106 Chapter 4 Summary Task  
1A002 1A003 2A001 2B001 2B002 2B003 2B006  
2C001 2C003 1A002 2B003

### **CT.CNA.40.50 Integrated Services Digital Network (ISDN)**

- CT.CNA.40.50.100 Explain Integrated Services Digital Network (ISDN)  
1A002 1A003 2B002 2B006 2C003 1A002 2B003
- CT.CNA.40.50.102 Explain how ISDN relates to the Open System Interconnection (OSI) reference model  
1A002 1A003 2B002 2C003 1A002 2B003
- CT.CNA.40.50.104 Explain ISDN uses  
2B006 2B003
- CT.CNA.40.50.106 Explain ISDN services: Basic Rate Interface (BRI) and Primary Rate Interface (PRI)  
1A002 1A003 2B002 2C003 2B003
- CT.CNA.40.50.108 Understand ISDN configuration tasks  
1A002 1A003 2B002 2C003
- CT.CNA.40.50.110 Explain Dial-on-Demand Routing (DDR)  
2B003
- CT.CNA.40.50.112 TCS Chapter 5 Summary Task  
1A002 1A003 2B006 2C001 2C003 3A001 1A002 2B003

### **CT.CNA.40.60 Frame Relay**

- CT.CNA.40.60.100 Explain Frame Relay technology  
1A002 1A003 2C003
- CT.CNA.40.60.102 Understand Link Management Interface (LMI): Cisco's implementation of Frame Relay  
1A002
- CT.CNA.40.60.104 Complete the configuration of basic Frame Relay  
2B006 2C001 1A002 2B003



CT.CNA.40.60.106 Chapter 6 Summary Task  
1A002 1A003 2B002 2C003 1A002

**CT.CNA.40.70 Network Management**

CT.CNA.40.70.100 Understand the administrative side of network management  
1A001 1A002 1A003 1A004 2B006 2C001 1A002 2B003

CT.CNA.40.70.102 Understand monitoring the network  
1A002 2B003

CT.CNA.40.70.104 Understand troubleshooting networks  
1A001 1A002 1A003 1A004 2B006 2C003 1A002 2B003

CT.CNA.40.70.106 Chapter 7 Summary Task  
1A001 1A002 1A003 1A004 2B006 2C001 2C003  
1A002 2B003

**CT.CNA.40.80 Network + Certification Exam Review**

CT.CNA.40.80.100 Understand basic networking knowledge  
1A001

CT.CNA.40.80.102 Understand the Data Link Layer  
1A001 2C001

CT.CNA.40.80.104 Understand the Network Layer  
1A002 1A003

CT.CNA.40.80.106 Understand the Transport Layer  
1A001 1A002 1A003

CT.CNA.40.80.108 Understand Transmission Control Protocol/Internet Protocol  
(TCP/IP) fundamentals  
1A002 1A003

CT.CNA.40.80.110 Explain remote connectivity  
1A002 1A003

CT.CNA.40.80.112 Understand the need for network security  
1A002 1A003

CT.CNA.40.80.114 Understand the process for implementing installation of the network  
1A002 1A003

CT.CNA.40.80.116 Understand maintaining and supporting the network  
1A002 1A003

CT.CNA.40.80.118 Understand troubleshooting the network  
1A002 1A003

**CT.CNA.40.90 Cisco Certified Networking Associate (CCNA) Exam Preparation**

CT.CNA.40.90.100 Understand the Open System Interconnection (OSI) model  
1A002 1A003

CT.CNA.40.90.102 Understand the process for creating subnets  
1A002 1A003 2B006 2C003 1A002

CT.CNA.40.90.104 Understand router commands  
1A002 1A003 2B006 2C003

CT.CNA.40.90.106 Complete the Skills-Based Sample Scenario—lab test  
1A002 1A003 2B006