

ICND1 Exam Tips



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NETWORK ENGINEER

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Module Goals



Prepping for ICND1 exam

- Learning styles

Scheduling exam

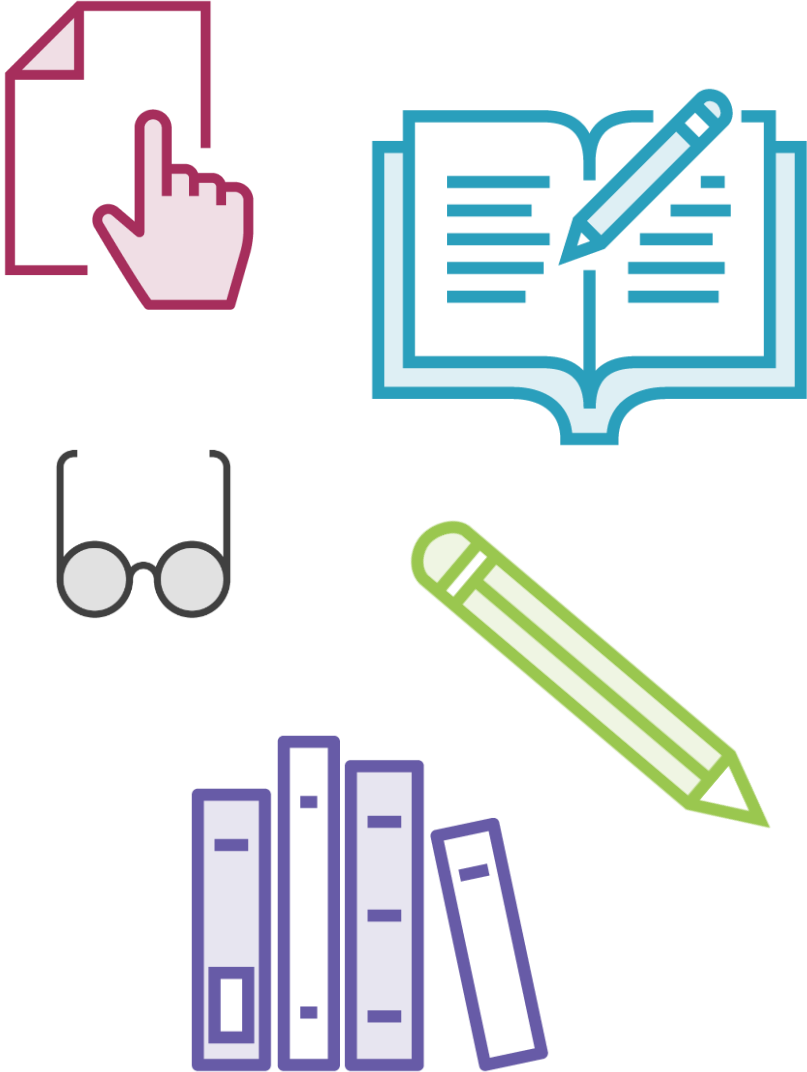
Taking exam

- What to expect
- Questions style

Prepping for ICND1

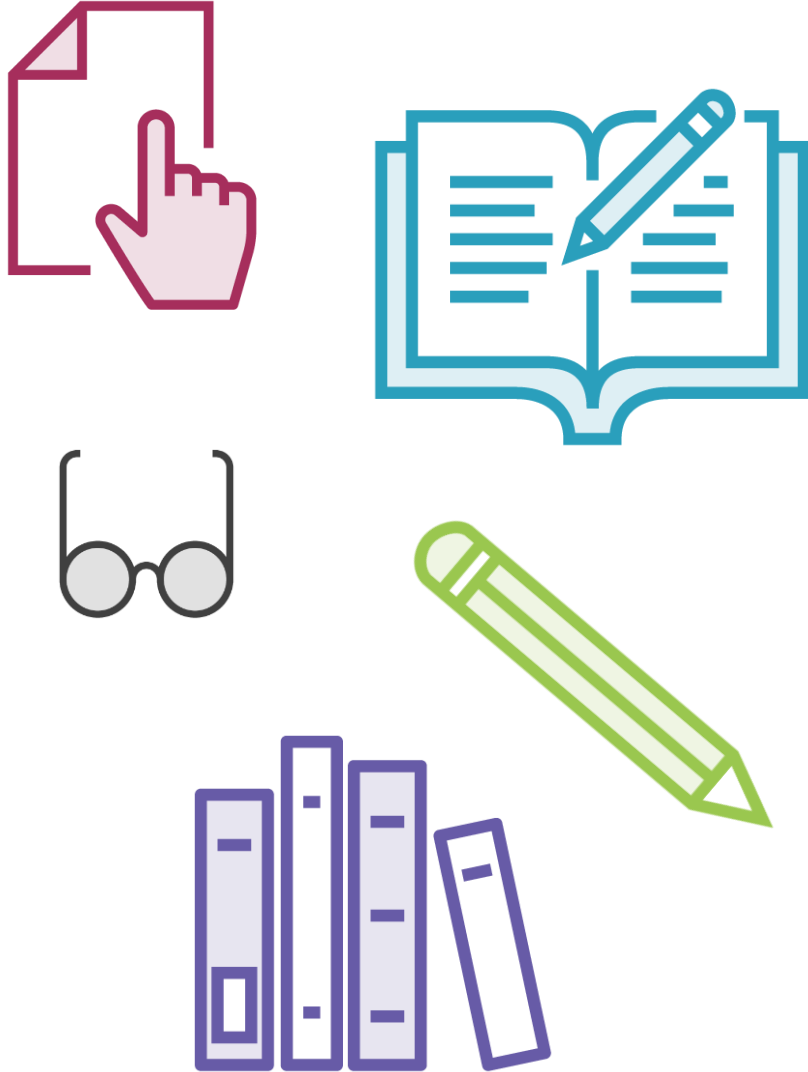


Learning Styles - (Flemming's VARK Model)



- Visual
 - Diagrams, charts, pictures, etc.
- Auditory
 - Listening to an explanation
- Read/write
 - Reading a book and/or taking notes
- Kinesthetic
 - Physical activity
 - Router/switch configuration?

Prepping for ICND1



- Watch videos
 - [Pluralsight.com](https://www.pluralsight.com)
- Take notes
 - Create your own study sheet
- Read
 - [CCNA Routing and Switching Complete Study Guide, Todd Lammle \(Sept, 2016\)](#)
 - Take notes
- Practice
 - Configuration
 - Questions
 - [Boson.com](https://www.boson.com)



Physical

CAT5 RJ45	Single Mode Multi Mode	Hub Collision Domain
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Data Link

MAC Address CSMA/CD FCS 802.11	Ethernet Port Security Broadcast Domain VLAN Tag	MTU 802.1q Native VLAN	PPP LLDP	DTP ISL	Frame VLAN Switch CDP
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Network

ICMP EIGRP No switchport Subnet Mask	IPv6 Link State Layer 3 Switch IP	TTL Router Packet SVI	LSDb RIP	OSPF IPv6 NDP Default Gateway IP Address
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Transport

Segment	UDP	TCP	Port Number
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Application

TFTP	BGP	SSH
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TCP/IP and OSI Model

TCP/IP	OSI	Datagram	Device
Application	Application	--	Firewall
	Presentation	--	--
	Session	--	--
Transport	Transport	Segment	Firewall
Internet	Network	Packet	Router
Network Interface	Data Link	Frame	Switch
	Physical	Signal	Hub

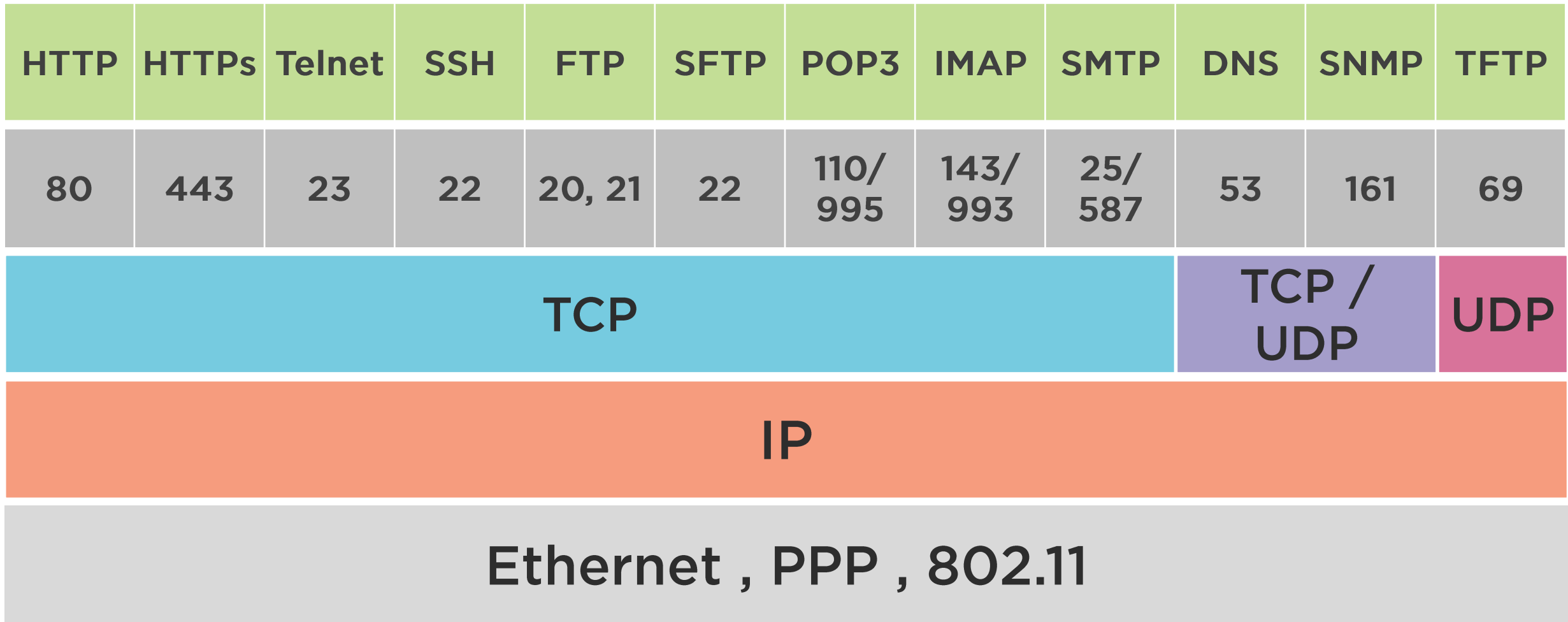


TCP/IP and OSI Model

TCP/IP	OSI	Protocols
Application	Application	HTTP, HTTPS, Telnet, SSH, FTP, TFTP, SFTP, SNMP, SMTP, POP3, IMAP
	Presentation	
	Session	
Transport	Transport	TCP and UDP
Internet	Network	IP, ICMP
Network Interface	Data Link	Ethernet, PPP, 802.11
	Physical	Wires, Glass, RF/Photons



Protocol Hierarchy



Scheduling Exam





- Scheduling ICND1 Exam
- www.pearsonvue.com
 - Click 'For test takers'
 - Search for "Cisco Systems"
 - Create an account (or sign in)
 - Click Proctored Exam
 - Select ICND1
 - Select preferred Language
 - Choose testing center
 - Choose date and time
 - Pay (\$150)



Pre-exam Tips

- Schedule the exam with ample time to study
- Don't cram or stay up all night study, even if you think it helps
 - <http://newsroom.ucla.edu/releases/cramming-for-a-test-don-t-do-it-237733>
- Reschedule exam if needed
 - 24 hours notice required
- Review your study sheets you created before exam
 - This is different than cramming

Taking the Exam



ICND1 Exam

Technical Skills

- Protocol knowledge
- Configuration knowledge
- “Cisco knowledge”

Problem Solving Skills

- Technical/network related
 - Non-technical
- Strange questions/answers



Beginning the Exam

**Write down any notes you
might easily forget**

Relax

Don't panic!



Answering Questions

Read all
instructions
carefully!

Questions are
intentionally tricky

Correct answer is
not always
apparent

Incorrect answers
are often easier to
spot

For long
questions, read
answers first



Read Instructions

Read all instructions carefully!

**A single 'question' may have
multiple sub-questions**



Questions



Sample Question 1 (Easy)

**Of the following, which is related to verifying that the data sent is the same as the data received, and does not request a retransmit should the data verification fail?
(Choose 4)**

A. UDP

B. IP

C. FCS

D. SSH

E. TCP

F. CSMA/CD

G. 802.3

H. ICMP

I. HTTP

J. CRC

K. Telnet

L. NTP



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Sample Question 2 (Harder)

**What is used in a modern network to connect 2 devices together?
(Choose 2)**

- A. 100BaseT
- B. Switch
- C. RJ-45 Connector
- D. Cat6 Patch Cable
- E. RFC 791
- F. TCP/IP Stack



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Sample Question 3 (Absurd)

**What is a sweet fizzy beverage called?
(Choose 1)**

- A. Soda
- B. Cola
- C. Coke
- D. Pop
- E. Carbonated Drink



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Sample Question 4 (Absurd)

In networking, what protocol is used to efficiently move data between 2 nodes on different IP subnets?

(Choose 1)

- A. Ethernet
- B. IP
- C. TCP
- D. UDP
- E. HTTP



Sample Question 4 (Absurd)

In networking, what protocol is used to efficiently move data between 2 nodes on different IP subnets?

(Choose 1)

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