

While we wait...

Please check if you can open the Quiz.
Go to the URL

<https://icsbits.com/go/cisspjam>

Quiz will be available at the end of this session

General Discussion Networks for **CISSP**.

Introduction to Terms and OSI & TCP Models.
Domain 4: Communication and Network Security

By CyberDK

60- 75 min

Hello!



Notes:

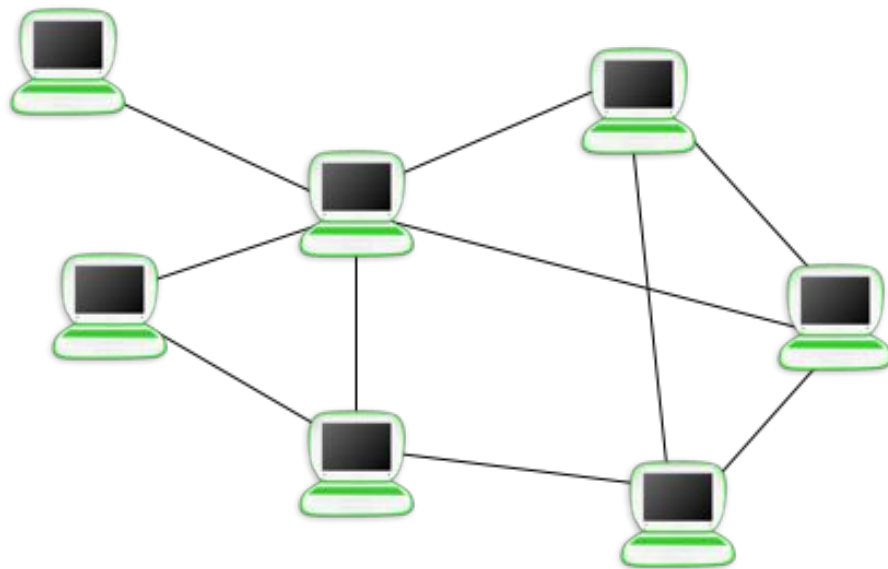
Pinned Messages on Classroom-1

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Today's Discussion

- What is a Network
- Terms and Concepts
- OSI Model
- Terms and Concepts
- Quiz Time!


Network



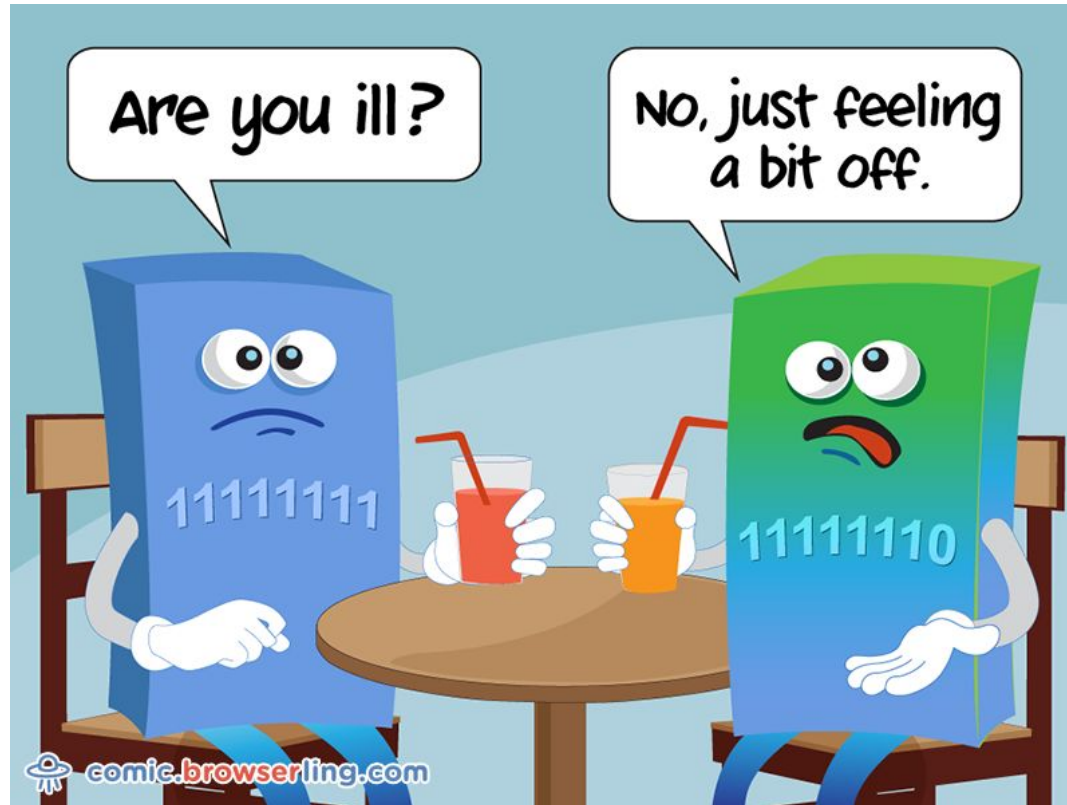


**INTERFACE
MESSAGE
PROCESSOR**

Developed for
the Advanced Research Projects Agency
by Bolt Beranek and Newman Inc.




Fundamental unit of Data



BIT

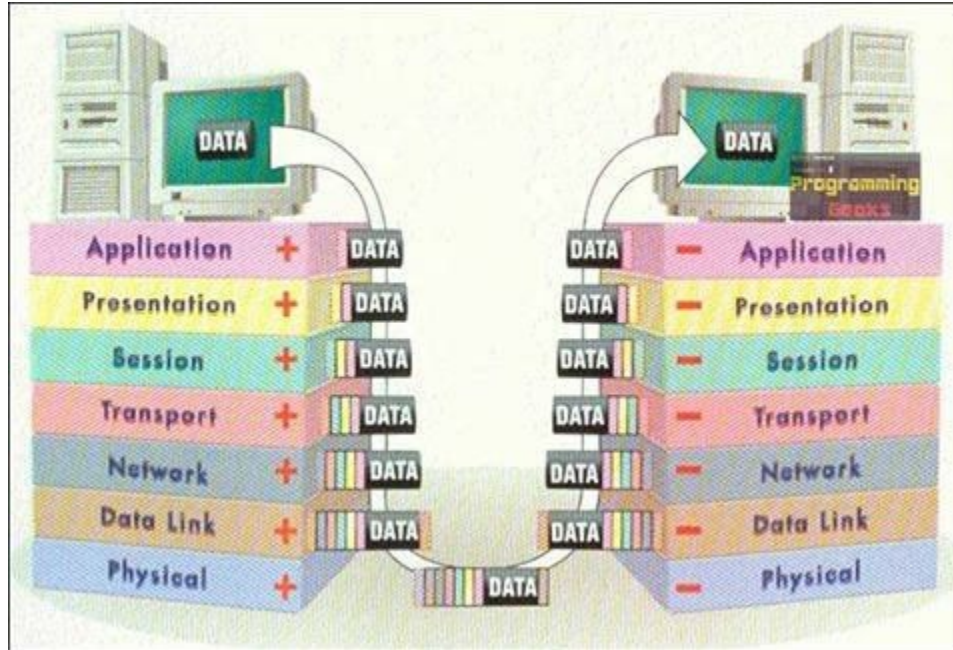
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BYTE

0 1 0 1 1 0 1 0

Prefix	Meaning	Unit
Kilo	1,000 (Thousand)	K
Mega	1,000,000 (Million)	M
Giga	1,000,000,000 (Billion)	G
Tera	1,000,000,000,000 (Trillion)	T

OSI Model



CISSP TIP

Can you recollect the OSI Layers ← → Number of the layer?

Lets Test

Application Layer	7
Physical Layer	1
Data Link Layer	2
Session Layer	5
Presentation Layer	6
Network Layer	3
Transport Layer	4

Remember them damm Layers

SECURITY BITS
Tips & Tricks



OSI MODEL
VISUAL AID TRICK

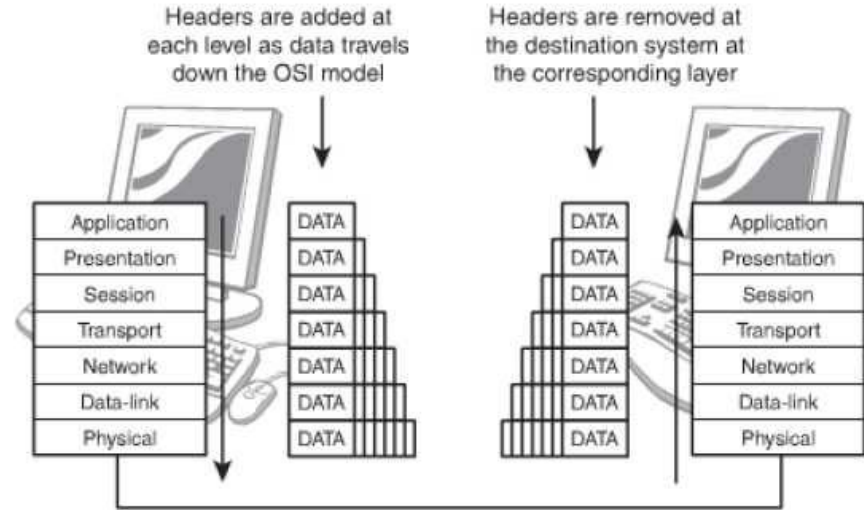


Terms and Concepts

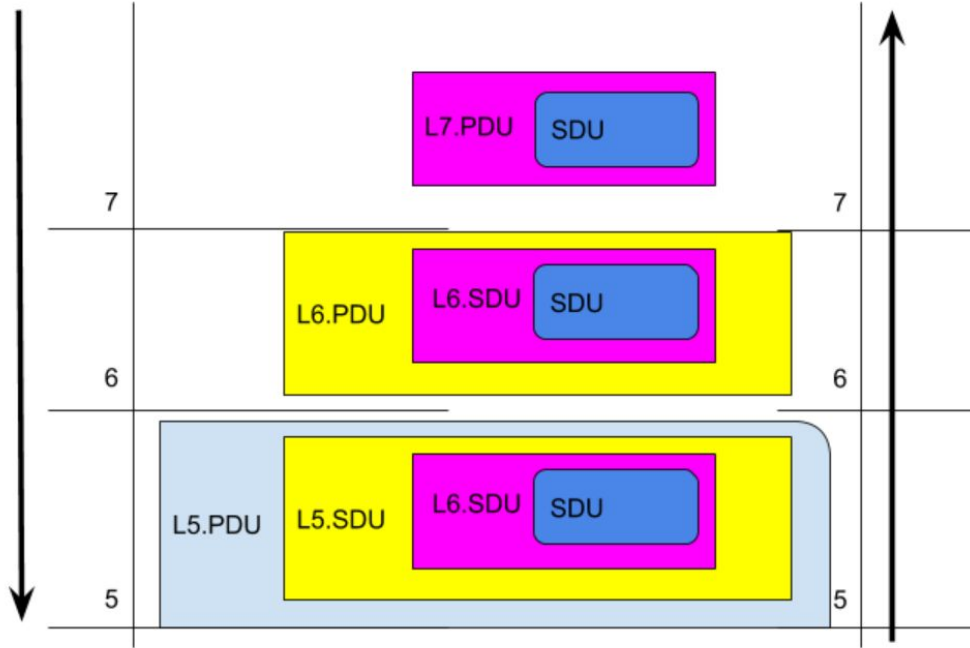
Encapsulation & Decapsulation



Encapsulation \longleftrightarrow Decapsulation



**Service Data Unit (SDU)
Protocol Data Unit (PDU)**

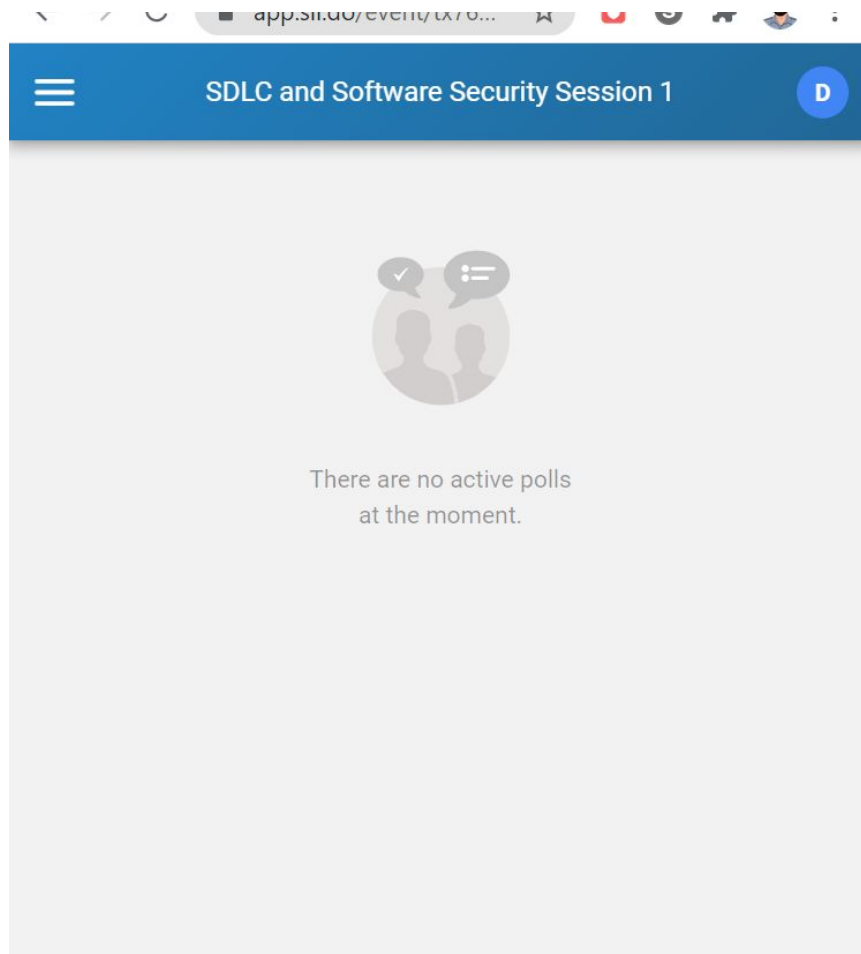


Data: Segment Packet Frame Bits?

LAYER #	OSI NAME	COMMON PROTOCOL OR USE	PDU NAME
Layer 1	Physical	Transceiver	bits, or a physical signal
Layer 2	Datalink	Ethernet	frame
Layer 3	Network	IP	packet
Layer 4	Transport	TCP	segment
Layer 5	Session	SIP	data, request, or response
Layer 6	Presentation	Encryption/compression	data, request, or response
Layer 7	Application	HTTP	data, request, or response

Quiz Time!

Please use another Device - Phone or PC



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Quiz will start once everyone has been able to join.

NOTES



Notes for this session and Old Sessions:

<http://icsbits.com/go/notes>

Thank you.

For notes and powerpoint go to

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