Introductory

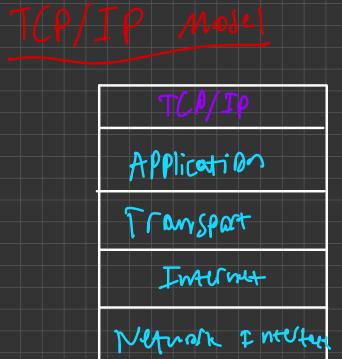
Mtworking

- · Open Systems Intuconnetion (OSI) made - Demonsacrites theory behind networking
 - MOSE COMPORT TCP/IP MOSE THE SERVENCE
 - 05I
 - toplication
 - Presentation
 - Sussion
 - Transport
 - retwork
 - -Data Link
 - physical
- · Application 7
 - Provides networking ettions to programs on a
 - Intertall for applications to transport that
- · preserranion 6
 - Reciency tota from apprimion layer
 - gransiates total into strongerozus forma
 - mandres encryption, compression, al other transformations

1 Session -	5			
- Lrors to	Connect to	mus c	empure	
- Maintains	connerian,	SYAC con	nmunication	
	is unlave			
			for ben	
- When a	successfully 11	195 a c	an vecton,	person
· Transport	~ 4			
- Choose	protocol			
-Transmiss accuracy	ion composi	1 macel ((TCP) to	41/5
- Vse Die	grem pratolo	1 (UDF)	favors !	poel
- Diviles d	Ha into byt	es lsegm	ens or duta	gans
· Network 3				
-Locates le	<u>`</u>	reques		
	slight wa	bust cou	AL	
- Data Link -			1	2112
	terwork Date			
the Can	returate Phter	Hesj	Control (rAL) while
· physical -				
	rctric pursus			
- LWI-OT	Binry into	raise	5. gm17 (01(1- AC3)

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					L7 Header	Data (Data)	
				L6 Header		Data (Data)	
			L5 Header		Data	(Data)	
		L4 Header		Data (S	egments/[Datagrams)	
	L3 Header	Data (Packets)					
L2 Header		Data (Frames)					L2 Traile
			Da	ta Stream	(Bits)		



Man de twe compere?

057	TCP/IP
Application	
presentation	Application
Session	
Transport	Transpart
Network	Dyternet
Dara Link	Netrank
PhysLal	Interfere

Server Client Client sends SYN SYNChronise bit 1/I ment to connect, Server sands SYNIACK SYNChronise bit and Alknowledgemen 617 ACK 1/I understand you mant to consilt, alknowldge" (licht sends ACKnowled growent III alknownigh you as the gray"

```
· Tedts it connection is passible
$Ping TARGET
   set incural of pings
ーし
-4 Only iPUU
-V Set verbigg
· map path to target machine
$ tracifouti TARBET
$
HOPH LOCATION (IP) TIMING
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