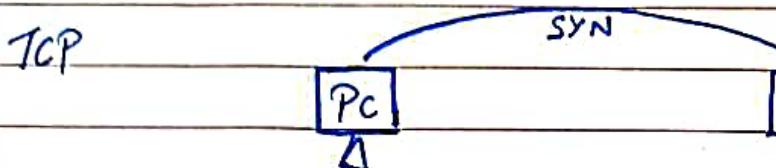


## 3 Way Handshake

Ex. We are sending request to www.cisco.com



Step 1:

Port A	Port 80	Request from PC to server HTTP request
seq. = 9000		On sequence no. 900
Syn, option	WS = 50,000 b	I.e. requesting 50,000 bytes of data
	MSS = 500 b	Maximum segment size = 500 bytes

Sends request to server

Step 2:

Port A	Port 80	Reply from Server to PC
Seq. 3000		Received on seq. 3000 (what I am in network)
Syn ACK   option	MS = 5,00,000 MSS = 500 b	next seq. no. since 9000 has been used in network Maximum size (long live) = 5,00,000 bytes Max. Segment size = 500 bytes

Sends reply back to PC

Step 3:

Port A	Port 80	Even though server was offering 56kb bytes of data, the PC could only accept 50,000 bytes at once, so 500 was accepted.
seq. 9001		
ACK   option	WS = 50,000 MSS = 500	

Though PC could accept max. segment size 5000 but server had capability of sending only 500 bytes  
So 500 bytes was chosen.