09/07/22: Layor 3: 09/12/22. Autonomous Systems (ASes):dynamic Routing Botold Borp: - when deta is sent via the internet, BOS is responsible for woolcong at all of the available paths that duta could travel and likeing the cest travel which usually means hoping the ASES. Conduly of external gute way projocok N/W Advog Ronglatory (NAT):--> many router ciruth shele their gate way routed IP address actornally.
-> Internally the router gines endry much so a local It address. - The Relater rease truck of who starts outgoing Connections, and make here the replies go to the right flace. Ofen shortest futty First (OSPF); -is Also known as internal gaterray Protocol. Thebors fuster futh ruther than shortest Puth. where of transmissing Control protocol is used. 1) OSPF is an intra-domain Routing Protocol, while I ship inter-domain Routing Protocol.

Oul Switching ! Head of Line Blocking: - It ony two Ports has the same destination as their source, then its Internet control ressage Brotord (ICMP):--> used to troubleshoot layer 3 houting prob.

-> Ping usel &CMP) parkets to check Commentarity

-> Tryceroute usel (ICMP) parkets to check Dyramic Host configuration Protocol (PHCP):-· PHCP DISCOVER. · DHCP OFFER -· DHCP REQUEST. · DHCP ACK.