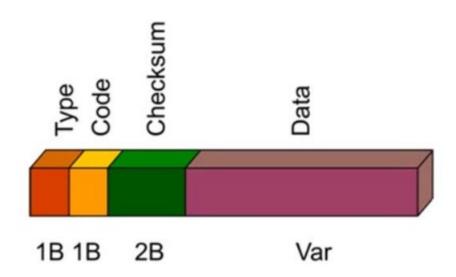


ICMP (Internet control Message protocol)

The primary function of ICMP is to report errors of various types.

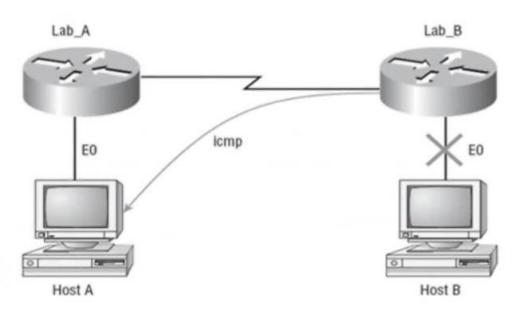


Network Layer Protocols

ICMP (Internet control Message protocol)

ICMP Error Message

EO on Lab B is down. Host A is trying to communicate to Host B. What happens?





ICMP (Internet control Message protocol)

ICMP Error Message

ICMP Error Messaging Functions

Type	Code	Function	
3	0	Net Unreachable	
3	1	Host Unreachable	
3	2	Protocol Unreachable	
3	3	Port Unreachable	
3	4	Fragmentation Needed And Don't Fragment Was Set	
3	5	Source Route Failed	
3	6	Destination Network Unknown	
3	7	Destination Host Unknown	
3	8	Source Host Isolated	
3	9	Communication With Destination Network Is Administrative Prohibited	
3	10	Communication With Destination Host Is Administratively Prohibited	
3	11	Destination Network Unreachable For Type Of Service	
3	12	Destination Host Unreachable For Type Of Service	



ICMP (Internet control Message protocol)

ICMP Error Message

4	0	Source Quench	
5	0	Redirect Datagram For The Network (Or Subnet)	
5	1	Redirect Datagram For The Host	
5	2	Redirect Datagram For The Type Of Service And Network	
5	3	Redirect Datagram For The Type Of Service And Host	
11	0	Time To Live Exceeded In Transit	
11	1	Fragment Reassembly Time Exceeded	
12	0	Pointer Indicates The Error	
12	1	Missing A Required Option	
12	2	Bad Length	
31	0	Datagram Conversion Error	
32	0	Mobile Host Redirect	



ICMP (Internet control Message protocol)

ICMP Query Message

ICMP Query Functions

Туре	Code	Function	
0	0	Echo Reply	
8	0	Echo Request	
9	0	Router Advertisement	
10	0	Router Solicitation	
13	0	Timestamp	
14	0	Timestamp Reply	
15	0	Information Request	
16	0	Information Reply	
17	0	Address Mask Request	
18	0	Address Mask Reply	
30	0	Traceroute	
33	0	IPv6 Where-Are-You	
34	0	IPv6 I-Am-Here	
35	0	Mobile Registration Request	
36	0	Mobile Registration Reply	