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(Pege the Date Date
Types of Messages in ICMP
ICMP
Emox Reporting Query Messages
Esson Reporting:
encounter while processing of IP packet.
query Messages fetch important/specific information from a Router or host
erg. Ping command sends an ICMP Echo segrito host a region.
si think a the cores, complaint cion
Message Format recoon for Message
Defines the type Type (3) code (8) Checksum - Error checking
and the engine 1 Data section , lease mosage
- An ICMP message has an 8-byte header and a waxiable - 313e data section.
sommon to all
[[[]]]

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Error Reporting
- ICMP always reports error message to the
- I CMP does not correct Errors.
Dest ⁿ Source quench Time redirection unreachable Exceeded
 parametes problems
 (1) <u>Destination Unreachable</u>
 Source Rouky desta
- whenever a route to the destination is not found, datagram is discarded and Router host send Destination Unxachable Message back to the Source.
2) Source Quench Rouks Rouks
This message informs the source that a datagram has been discarded due to congestion
 The src must slow down the sending of datagrams until the congestion is solieved.

4 (ode 111) -> Required Part of the option is

	(5) Redirection
* 1	- Redirection message is sent from a router to a host on same local NIW TR pet (R2) IP pet
	The state of the s
	Query Messages:
	Query Menages are used to diagnose some Network problems.
~ }	There are 4 types of Query Messages 17000
	Muent de la company de la comp
-	Query
1	To the second of
	0 x 0 = 8 Timestamp Address-Mosk Router
Ech	Prop. Production
36	ply req. 8 septy Rog. Ruyly solicitation
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	- 1 & State of Contract of State of March 11/1/11
	Decioned for the diagnostic purpose. These menages
	- Designed for the diagnostic purpose. These menages are used to determine whether two systems (an
	communicate with each other
	Echo Pet
	(B)
	8900 x61 A

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(2) Time Stamp Request and Reply.
- Two machines uses these message to determine the Round Trip Time needed for an IP datagram to travel between them
Sending Time Receive - Original
Receiving Time Returned - Transmit
4 Round Trip Bending + Receiving
(3) Mark request & reply
- Marking needed for diskless stations at boot time
To obtain the mask hust may send request mekage to rouker address mask field 19 '0' in sequest mekage.
- To know if the routers are alive & functioning - hust broadcast router solicitation messages routers rply with routers Ads' message.