

EIGRP sends every Query and Reply message using RTP, so every message is acknowledged using an EIGRP ACK message.

## EIGRP Route Discovery

Suppose that our network has 2 routers and they are configured to use EIGRP. Let's see what will happen when they are turned on.

Firstly, the router will try to establish a neighboring relationships by sending "Hello" packets to others running EIGRP. The destination IP address is 224.0.0.10 which is the multicast address of EIGRP. By this way, other routers running EIGRP will receive and proceed these multicast packets. These packets are sent over TCP.



After hearing "Hello" from R1, R2 will respond with another "Hello" packet.



R2 will also send its routing table to R1 by "Update" packets. Remember that R2 will send its complete routing table for the first time.

