

EIGRP Cheat Sheet

EIGRP General

Hybrid Routing Protocol

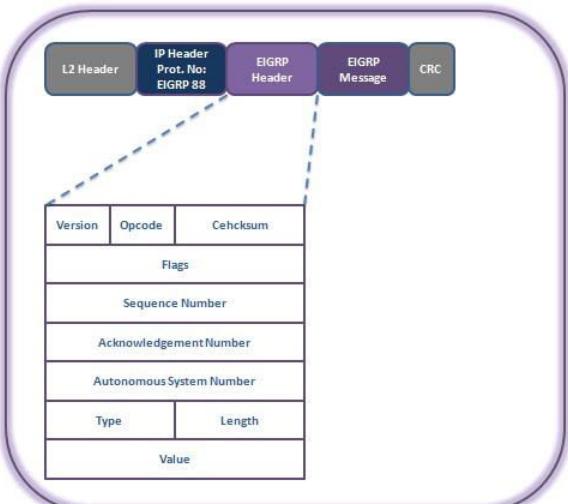
Uses DUAL Algorithm

Protocol Independent

Classless Routing Protocol

Support Equal / Unequal Path Load Balancing

Successor	Primary route to a destination.
Feasible Successor	Backup route to a destination.
Advertised Distance	Cost between next-hop and a destination.
Feasible Distance	Cost to the next hop plus AD.



EIGRP Routing Table Terms

Active State	Router is trying to find a route.
Passive State	Router has chosen a route.

$$\text{Default EIGRP Metric} = 256 * (\text{BW} + \text{Delay})$$

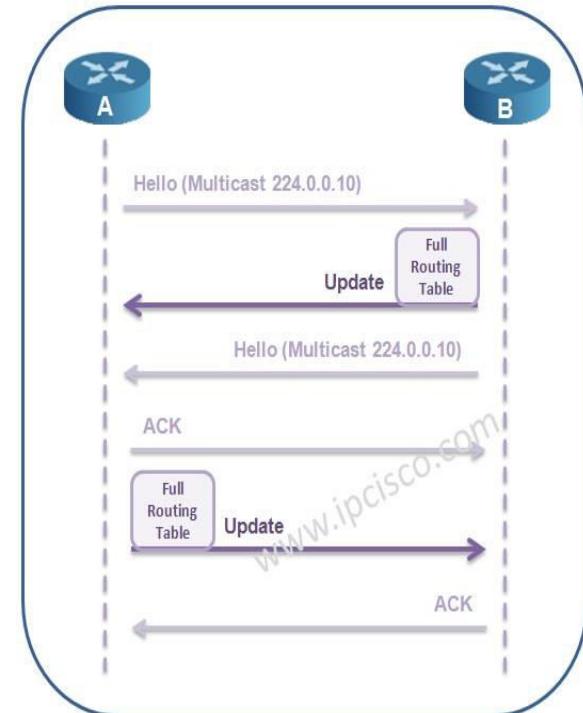
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EIGRP Tables

- Neighbor Table
- Topology Table
- Routing Table

EIGRP Multicast Address

224.0.0.10



EIGRP Administrative Distance

- 5 (Summary)
- 90 (Internal)
- 170 (External)

$$\text{EIGRP Metric Formula} = 256 * \left(K_1 * \text{BW} + \frac{K_2 * \text{BW}}{256 - \text{Load}} + K_3 * \text{Delay} \right) * \frac{K_5}{\text{Rel} + K_4}$$

