

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

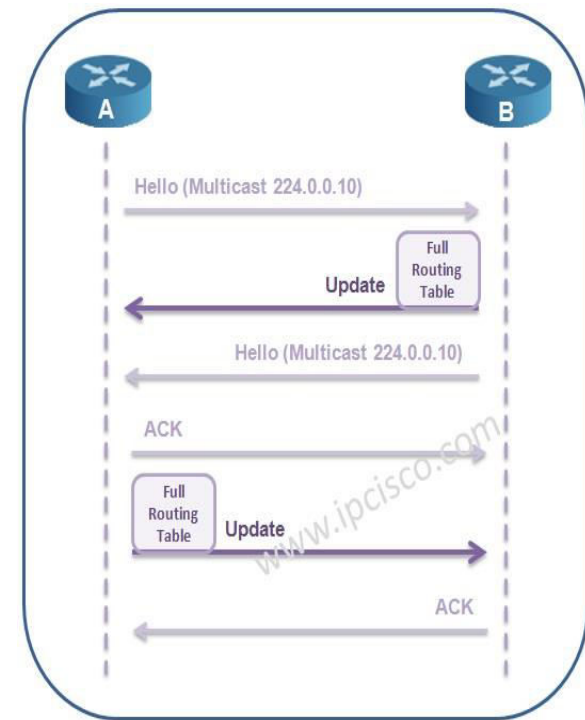
Neighbor Table

Topology Table

Routing Table

EIGRP Multicast Address

224.0.0.10



EIGRP Administrative Distance

5 (Summary)

90 (Internal)

170 (External)

$$\text{EIGRP Metric Formula} = 256 * (K1 * \text{BW} + \frac{K2 * \text{BW}}{256 - \text{Load}} + K3 * \text{Delay}) * \frac{K5}{\text{Rel} + K4}$$

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Version	Opcode	Checksum
Flags		
Sequence Number		
Acknowledgement Number		
Autonomous System Number		
Type	Length	
Value		

