EIGRP Load-Balancing

By default, EIGRP will automatically load-balance across equal-metric routes (four by default, six maximum). EIGRP also supports load-balancing across routes with an unequal metric. We must use the variance command to tell EIGRP to load-balance across unequal-metric links

Syntax

Router(config)# router eigrp 100

Router(config-router)# variance 2

Router(config-router)# maximum-paths 6

The variance command assigns a "**multiplier**," in this instance of **2**. We multiply this variance value by the metric of our Feasible Distance.Thus, any Feasible Successors with a metric within twice that of our Feasible Distance will now be used for load balancing by EIGRP.

Remember, only Feasible Successors can be used for load balancing.The *maximum-paths command* adjusts the number of links EIGRP can load-balance across.

Click here for EIGRP MAXIMUM PATH AND VARIANCE Lab with GNS3