

Configuring Equal and Unequal Cost Load Balancing Autonomous System Configuration

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **router eigrp** *autonomous-system*
4. **traffic-share** **balanced**
5. **maximum-paths** *number-of-paths*
6. **variance** *multiplier*
7. **end**

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable Example: Device> enable	Enables privileged EXEC mode. <ul style="list-style-type: none"> • Enter your password if prompted.
Step 2	configure terminal Example: Device# configure terminal	Enters global configuration mode.
Step 3	router eigrp <i>autonomous-system</i> Example: Device(config)# router eigrp 101	Enables an EIGRP routing process and enters router configuration mode. <ul style="list-style-type: none"> • A maximum of 30 EIGRP routing processes can be configured.
Step 4	traffic-share balanced Example: Device(config-router)# traffic-share balanced	Controls how traffic is distributed among routes when multiple routes for the same destination network have different costs.
Step 5	maximum-paths <i>number-of-paths</i> Example: Device(config-router)# maximum-paths 5	Controls the maximum number of parallel routes that an IP routing protocol can support.

	Command or Action	Purpose
Step 6	variance <i>multiplier</i> Example: Device(config-router)# variance 1	Controls load balancing in an internetwork based on EIGRP.
Step 7	end Example: Device(config-router)# end	Exits router configuration mode and returns to privileged EXEC mode.

Configuring Equal and Unequal Cost Load Balancing Named Configuration

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **router eigrp** *virtual-instance-name*
4. Enter one of the following:
 - **address-family ipv4** [**multicast**] [**unicast**] [**vrf vrf-name**] **autonomous-system** *autonomous-system-number*
 - **address-family ipv6** [**unicast**] [**vrf vrf-name**] **autonomous-system** *autonomous-system-number*
5. **topology** {**base** | *topology-name* **tid** *number*}
6. **traffic-share** **balanced**
7. **maximum-paths** *number-of-paths*
8. **variance** *multiplier*
9. **end**

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable Example: Device> enable	Enables privileged EXEC mode. <ul style="list-style-type: none"> • Enter your password if prompted.