Router 1 Configuration Commands

- router bgp 100
- network 198.123.1.0
- network 198.123.2.0
- neighbor 198.123.2.2 remote-as 200
- neighbor 198.123.3.2 remote-as 200
- exit

Explanation of Commands

1. router bgp 100: This command tells the router to enter into a configuration mode specifically for Border Gateway Protocol (BGP) and to identify itself with a unique number, in this case, 100. BGP is a routing protocol used to exchange routing information between different autonomous systems on the internet.

2. network 198.123.1.0: Here, the router is being instructed to advertise to its BGP neighbors (other routers it's connected to via BGP) that it knows how to reach the network with the address range starting from 198.123.1.0. This command indicates that the router is directly connected to this network and can route traffic to it.

3. network 198.123.2.0: Similar to the previous command, this one indicates that the router knows how to reach the network with the address range starting from 198.123.2.0 and is instructing BGP to advertise this information to its neighbors.

4. neighbor 198.123.2.2 remote-as 200: This command establishes a BGP neighbor relationship with another router identified by the IP address 198.123.2.2. It specifies that this neighbor router is in a different autonomous system (AS) with the AS number 200. BGP uses these neighbor relationships to exchange routing information.

5. neighbor 198.123.3.2 remote-as 200: Similar to the previous command, this one establishes a BGP neighbor relationship with another router identified by the IP address 198.123.3.2, also belonging to AS 200.

6. exit: This command simply exits the current configuration mode, allowing the user to return to the previous level of configuration or the main command prompt.

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