





**Authentication** Authentication types: Plain-text password (insecure) MD5 hash

Configuring MD5 authentication on an interface:

```
Router(config-if)# ip authentication mode eigrp <ASN> md5
Router(config-if)# ip authentication key-chain eigrp <ASN> <chain name>
Router(config)# key chain <chain name>
Router(config-keychain)# key 1
Router(config-keychain-key)# key-string <password>
```

**Bandwidth Manipulation** Bandwidth of an interface can be administratively configured:

```
Router(config-if)# bandwidth <kilobits>
```

The bandwidth setting will not affect the actual interface speed, only the value used in metric calculation. This is

useful for serial interfaces which connect to a DSU operating at a slower speed.

EIGRP assumes all virtual circuits on an interface receive an equal share of the total bandwidth.

By default, EIGRP will use no more than 50% of an interface's bandwidth.

This can be adjusted as such:

```
>>> Router# show ip eigrp
```









































**Monitoring** show ip eigrp neighbors  
show ip eigrp topology  
show ip eigrp traffic  
show ip eigrp interfaces  
show ip route eigrp  
**Debugging**  
debug eigrp packet  
debug ip eigrp neighbors  
debug ip eigrp  
debug ip eigrp summary