

Here is a list of the IP Commands

### **Configure IP on an interface:**

#### **Serial interface**

- **Router(config)#interface serial 0**
- **Router(config-if)#ip address 157.89.1.3 255.255.0.0**
- **Router(config-if)#Clock rate 64000**
- **Router(config-if)#encapsulation hdlc**
- **Router(config-if)#no shutdown**
- **Router(config-if)#exit**

#### **Fast ethernet interface**

- **Router(config)#int fa 0/0**
- **Router(config-if)#ip address 200.81.1.4 255.255.255.0**
- **Router(config-if)#no shutdown**
- **Router(config-if)#exit**

### **Other IP Commands:**

- **sh ip route** - view ip routing table
- **ip route <remote\_network> <mask> <default\_gateway> [administrative\_distance]** - configure a static IP route
- **ip route 0.0.0.0 0.0.0.0 <put gateway of the last resort here>** - sets default gateway
- **ip classless** - use with static routing to allow packets destined for unrecognized subnets to use the best possible route
- **sh arp** - view arp cache; shows MAC address of connected routers
- **ip address 2.2.2.2 255.255.255.0 secondary** - configure a 2nd ip address on an interface
- **sh ip protocol** - To view the protocol used