|  |  |
| --- | --- |
| Command | Purpose |
| **enable** |  |
| **configure terminal** |  |
| **interface** *fastethernet/number* |  |
| **reload** |  |
| **hostname** *name* |  |
| **copy** *from-location to-location* |  |
| **copy running-config startup-config** |  |
| **copy startup-config running-config** |  |
| **write erase**  **erase startup-config** |  |
| **ip address** *ip-address mask* |  |
| **shutdown**  **no shutdown** |  |
| **ip default-gateway** *ip\_address* |  |
| **show running-config** |  |
| **description** *name-string* |  |
| **show running-config interface** *interface slot/number* |  |
| **show ip interface** *[type number]* |  |
| **ip name-server** *serverip-1 serverip-2* |  |
| **ping** *{hostname | system-address} [source source-address]* |  |
| **speed** *{10 | 100 | 1000 | auto}* |  |
| **duplex** *{auto | full | half}* |  |
| **cdp run**  **no cdp run** |  |
| **show mac address-table** |  |
| **show cdp** |  |
| **show cdp neighbors***[detail]* |  |
| **show interfaces** |  |
| **show interface status** |  |
| **show interfaces switchport** |  |
| **show interfaces trunk** |  |
| **show vlan**  **show vlan brief** |  |
| **show vtp status** |  |
| **ip route***network-number network-mask {ip-address | interface}* |  |
| **router rip** |  |
| **network** *ip-address* |  |
| **version 2** |  |
| **no auto-summary** |  |
| **default-information originate** |  |
| **passive-interface** *interface* |  |
| **show ip rip database** |  |
| **ip nat** *[inside | outside]* |  |
| **ip nat inside source** *{list{access-list-number | access-list-name}} interface type number[overload]* |  |
| **ip nat inside source static** *local-ip global-ip* |  |
| **vlan** |  |
| **switchport access vlan** |  |
| **switchport trunk encapsulation dot1q** |  |
| **switchport access** |  |
| **vlan vlan-id** *[name vlan-name]* |  |
| **switchport mode** *{ access | trunk }* |  |
| **switchport trunk** *{encapsulation { dot1q }* |  |
| **encapsulation dot1q vlan-id** |  |
| **ip address dhcp** |  |
| **ip dhcp pool name** |  |
| **domain-name** *domain* |  |
| **network** *network-number [mask]* |  |
| **ip dhcp excluded-address** *ip-address [last-ip-address]* |  |
| **ip helper-address** *address* |  |
| **default-router** *address[address2 ... address8]* |  |
| **password***pass-value* |  |
| **username** name **password** pass-value |  |
| **enable password** |  |
| **enable secre** |  |
| **service password-encryption** |  |
| **ip domain-name** *name* |  |
| **crypto key generate rsa** |  |
| **transport input** *{telnet | ssh}* |  |
| **access-list** *access-list-number {deny | permit} source [source-wildcard] [log]* |  |
| **access-class** |  |
| **ip access-list** *{standard | extended} {access-list-name | access-list-number}* |  |
| **permit source** *[source-wildcard]* |  |
| **deny source** *[source-wildcard]* |  |
| **ntp peer** *<ip-address>* |  |
| **switchport port-security** |  |
| **switchport port-security maximum maximum** |  |
| **switchport port-security mac-address** *{mac-addr | {sticky [mac-addr]}}* |  |
| **switchport port-security violation** *{shutdown | restrict | protect}* |  |
| **show port security** *[interface interface-id]* |  |
| **logging** *ip address* |  |
| **logging trap level** |  |
| **show logging** |  |
| **terminal monitor** |  |