

-----IP Conf-----

```
Switch>enable  
Switch#configure terminal
```

```
Switch(config)#hostname live  
live(config)#enable password 123  
live(config)#interface vlan 1  
live(config-if)#ip address 10.1.1.100 255.0.0.0  
live(config-if)#no shutdown  
live(config-if)#exit
```

-----Telnet-----

```
live(config)#username ccna secret abc  
live(config)#line vty 0  
live(config-line)#login local  
live(config-line)#exit
```

-----ssh-----

```
network(config)#ip domain-name googel.com  
network(config)#crypto key generate rsa  
How many bits in the modulus [512]: 600  
network(config)#ip ssh version 2
```

-----vlan-----

```
network(config)#vlan 2  
network(config-vlan)#name manager  
network(config-vlan)#exit  
network(config)#interface fa0/2  
network(config-if)#switchport mode ?  
access Set trunking mode to ACCESS unconditionally  
dynamic Set trunking mode to dynamically negotiate access or trunk mode  
trunk Set trunking mode to TRUNK unconditionally  
network(config-if)#switchport mode access  
network(config-if)#switchport access vlan 2  
network(config-if)#exit  
network(config)#exit  
network#show vlan
```

-----Port security-----

```
interface range fa0/1 - 3  
switchport mode access
```

```
switchport port-security
switchport port-security maximum 1
switchport port-security mac-address sticky
switchport port-security violation shutdown
```

-----inter-vlan-----

We do the conf in router

```
interface g0/0.10
encapsulation dot1Q 10
ip address 10.1.1.1 255.255.255.0
exit
```

```
interface g0/0.20
encapsulation dot1Q 20
ip address 10.1.2.1 255.255.255.0
exit
```

```
interface g0/0.30
encapsulation dot1Q 30
ip address 10.1.3.1 255.255.255.0
exit
```