Basic Configuration

Router Config

enable

configure terminal

hostname DS_R1

enable secret class *will not have to configure password*

password cisco

login

exit

line vty 0 4

password cisco

login

exit

service password-encryption

banner motd #Unauthorized access is prohibited! Please stay out! #m

interface int_id

description Link to LAN1

ip address ip + subnet mask

clock rate 128000

no shutdown

exit

interface int_id

description link to lan 1

ipv6 address

no shutdown

clock rate 1280000

exit

interface loopback 0

ip address for loopback

exit

ip dhcp excluded-address

ip dhcp pool

network network number

default-router address

dns-server address

domain-name CCNA.com

lease

netbios-name-server

access-list 10 permit ip address subnet

exit

show access-list

access-list # permit ip address and subnet mask

interface

ip access-group 1 out

network network number mask

ip address dhcp

no shutdown

ip dhcrp excluded-address low address [high address]

ip dhcp pool

show interface brief

show ip route

show running-config interface int_id

show running-config | section line vty

show ip interface brief | include up

show ip interface brief | exclude unassigned

show ip route | begin gateway

show running-config | section dhcp

show ip dhcp binding

show ip dhcp server statistics

ipconfig /release

ipconfig /renew

ip helper-address

router eigrp 1

eigrp router-id 1.1.1.1

router ospf ##

network ip address subnet mask area 0

passive-interface int_id

bandwidth 64

or you could put ip ospf cost #####

end

for multuarea ospf

router ospf 10

router-id

network ip subnet area 1

network ip subnet area 0

default-information originate

end

copy running-config startup-config

Switch configuration

enable

dir flash:

configure terminal

interface vlan ##

ip address

duplex full

speed 100 / or auto

mdix auto

end

no shutdown

ip domain-name cisco.com

crypto key generate rsa

vlan vlan-id

name vlan-name

end

switchport mode access

switchport access vlan vlan_id

mls qos trust cos

switchport voice vlan #

switchport mode trunk

swithport trunk native vlan vlan_id

switchport trunk allowed vlan vlan_list

switchport access vlan

end

vtp mode ?

vtp mode server

vtp domain CCNA

vtp password cisco12345

vtp mode client

spanning-tree VLAN 1 root primary #####

spanning-tree VLAN 1 root secondary #####

spanning-tree portfast

spanning-tree bpduguard enable

spaning-tree mode rapid-pvst

interface

spanning-tree link-type point-to-point

end

channel-group 1 mode active

standby version 2

standby [group-number] ip address

standby [group-number] priority [priority-value]

standby [group-number] preempt

copy running-config startup-config

show interfaces int_id

show startup-config

show running-config

show flash

show version

show history

show ip interfaceid

show mac-address-table

show version

show ip ssh

show port-security interface _id

show run | begin ID

show port-security address

no switchport access vlan

no vlan id

delete flash:vlan.dat

no switchport trunk allowed vlan

no switchport trunk native vlan

show interfaces

show spanning-tree active

show ip protocols

show ip ospf

show ip ospf interface