=====Hostname/Password setup=====	switchport mode access
1.hostname:	switchport access vlan 10
hostname router1	int fa0/7
	switchport mode access
2. console password:	switchport access vlan 20
line console 0	
password cisco	int g0/1
login	switchport mode trunk
end	switchport trunk native vlan 99
	switchport trunk allowed vlan 10,20,99
3. telnet/ssh password:	
line vty 0 15	========Assign ip to switch======
password cisco	int vlan 99
login	ip address 192.168.99.2 255.255.255.0
end	no shutdown
	ip default-gateway 192.168.99.1
4. exec password:	
4. exec password: enable secret cisco	=========Router config=======
	======================================
enable secret cisco	_
enable secret cisco	Both router: ip route 0.0.0.0 0.0.0.0 s0/0/0
enable secret cisco exit	Both router: ip route 0.0.0.0 0.0.0.0 s0/0/0 1. R2 (server router)
enable secret cisco exit 5. banner msg:	Both router: ip route 0.0.0.0 0.0.0.0 s0/0/0 1. R2 (server router) int s0/0/0
enable secret cisco exit 5. banner msg:	Both router: ip route 0.0.0.0 0.0.0.0 s0/0/0 1. R2 (server router) int s0/0/0 ip address 3.1.1.2 255.255.255.252
enable secret cisco exit 5. banner msg: banner motd #write msg here#	Both router: ip route 0.0.0.0 0.0.0.0 s0/0/0 1. R2 (server router) int s0/0/0 ip address 3.1.1.2 255.255.255.252
enable secret cisco exit 5. banner msg: banner motd #write msg here# =======VLAN========	Both router: ip route 0.0.0.0 0.0.0 s0/0/0 1. R2 (server router) int s0/0/0 ip address 3.1.1.2 255.255.255 no shutdown
enable secret cisco exit 5. banner msg: banner motd #write msg here# =======VLAN=============================	Both router: ip route 0.0.0.0 0.0.0 s0/0/0 1. R2 (server router) int s0/0/0 ip address 3.1.1.2 255.255.252 no shutdown int g0/0
enable secret cisco exit 5. banner msg: banner motd #write msg here# =========VLAN===========================	Both router: ip route 0.0.0.0 0.0.0 s0/0/0 1. R2 (server router) int s0/0/0 ip address 3.1.1.2 255.255.255 no shutdown int g0/0 ip address 192.168.100.1 255.255.255.0
enable secret cisco exit 5. banner msg: banner motd #write msg here# =======VLAN=============================	Both router: ip route 0.0.0.0 0.0.0 s0/0/0 1. R2 (server router) int s0/0/0 ip address 3.1.1.2 255.255.255 no shutdown int g0/0 ip address 192.168.100.1 255.255.255.0 no shutdown
enable secret cisco exit 5. banner msg: banner motd #write msg here# =======VLAN=============================	Both router: ip route 0.0.0.0 0.0.0 s0/0/0 1. R2 (server router) int s0/0/0 ip address 3.1.1.2 255.255.252 no shutdown int g0/0 ip address 192.168.100.1 255.255.255.0 no shutdown 2. R1 (border/host pc side router)
enable secret cisco exit 5. banner msg: banner motd #write msg here# =======VLAN=============================	Both router: ip route 0.0.0.0 0.0.0 s0/0/0 1. R2 (server router) int s0/0/0 ip address 3.1.1.2 255.255.252 no shutdown int g0/0 ip address 192.168.100.1 255.255.255.0 no shutdown 2. R1 (border/host pc side router) int g0/0.10

encapsulation dot1q 20	int g0/1
ip address 192.168.20.1 255.255.255.0	ip nat inside
int g0/0.99	int s0/0/0
encapsulation dot1q 99	ip nat outside
ip address 192.168.99.1 255.255.255.0	
int g0/0	1. PAT
no shutdown	ip nat pool buet 125.1.1.8 125.1.7.11 netmask 255.255.255.224
int s0/0/0	access-list 1 permit 192.168.80.0 0.0.0.255
ip address 3.1.1.1 255.255.252	ip nat inside source list 1 pool buet overload
clock rate 64000 no shutdown	2. Dynamic NAT
	ip nat pool BUET-Pool 209.165.200.8 209.165.200.11 netmask 255.255.255.224
=======ACL=======	access-list 1 permit 192.168.10.0 0.0.0.255
access-list 101 deny tcp host 192.168.10.5 host 192.168.100.5 eq www	access-list 1 permit 192.168.20.0 0.0.0.255
access-list 101 deny tcp host 192.168.10.5 host 192.168.100.6 eq ftp	ip nat inside source list 1 pool BUET-Pool
access-list 101 deny tcp host 192.168.20.5 host 192.168.100.5 eq www	3. Static NAT ip nat inside source static 192.168.10.254 209.165.201.5
access-list 101 permit tcp host 192.168.20.5 host 192.168.100.6 eq ftp	
access-list 101 permit ip any any	
	========Show commands======
int g0/0.10	1. sh vlan br
ip access-group 101 in	2. sh ip int br
int g0/0.20	3. sh ip nat translations
ip access-group 101 in	4. sh ip nat statistics
	5. sh access-lists
======NAT=====	
int g0/0	
ip nat inside	