NAT steps for execution 1. construct the topology 2.assign the ip address 3. Static rouitng at both the routers R0(Config)#ip route 0.0.0.0 0.0.0.0 100.1.1.2 R1(config)#ip route 0.0.0.0 0.0.0.0 100.1.1.1 4.Static NAT configuration R0(config)#ip nat inside source static 192.168.1.1 50.1.1.1 R0(config)#ip nat inside source static 192.168.1.2 50.1.1.2 6. verify NAT translations r0#show ip nat translations 7. NAT inside and outside configuration at Router 0 R0(config)#interface gigabitethernet 0/0 R0(config-if)#ip nat inside R0(config-if)#exit R0(config)#interface gigabitehternet 0/1 R0(config-if)#ip nat outside R0(config-if)#exit R0(config)# ---------- private IP publc IP 192.168.1.1 50.1.1.1 192.168.1.2 50.1.1.2 192.168.1.3 50.1.1.3 192.168.1.4 50.1.1.4 ---------- Dynamic NAT ##configuration of dynamic NAT r0>enable r0#config t r0(config)#access-list 55 permit 192.168.1.0 0.0.0.255 r0(config)#ip nat pool CCNA 50.1.1.1 50.1.1.200 netmask 255.255.255.0 r0(config)#ip nat inside source list 55 pool CCNA NAT inside and outside configuration at Router 0 R0(config)#interface gigabitethernet 0/0 R0(config-if)#ip nat inside R0(config-if)#exit R0(config)#interface gigabitehternet 0/1 R0(config-if)#ip nat outside R0(config-if)#exit R0(config)# ---------- PAT(port address Translations /Dynamic NAT overload) ##configuration of dynamic NAT overload (PAT) 50.1.1.1/29 given by service provider. r0>enable r0#config t r0(config)#access-list 55 permit 192.168.1.0 0.0.0.255 r0(config)#ip nat pool CCNA 50.1.1.1 50.1.1.1 netmask 255.255.255.248 r0(config)#ip nat inside source list 55 pool CCNA overload NAT inside and outside configuration at Router 0 R0(config)#interface gigabitethernet 0/0 R0(config-if)#ip nat inside R0(config-if)#exit R0(config)#interface gigabitehternet 0/1 R0(config-if)#ip nat outside R0(config-if)#exit R0(config)#