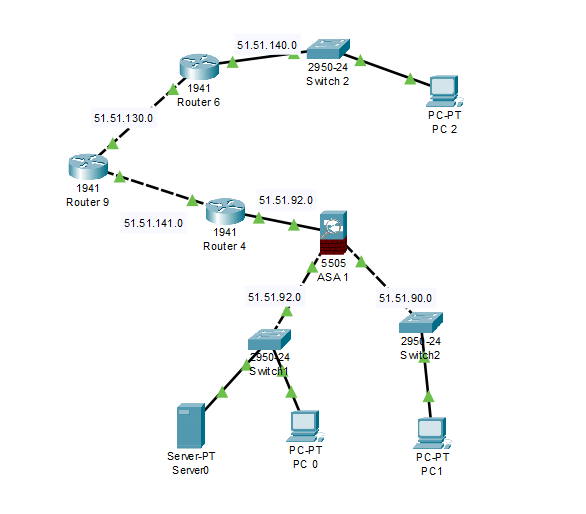
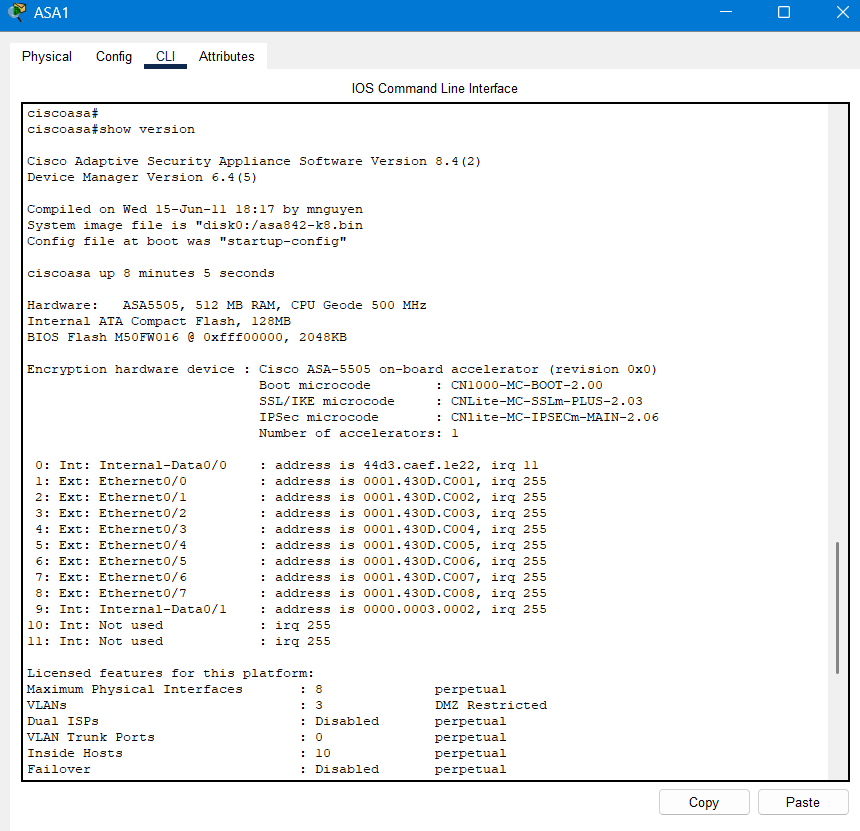
Practical No. 10

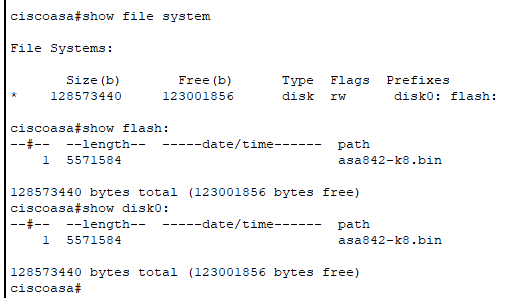
Configuring ASA Basic Settings and Firewall Using CLI

Structure :

S

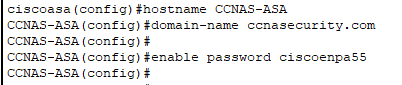
A)Explorig the ASA



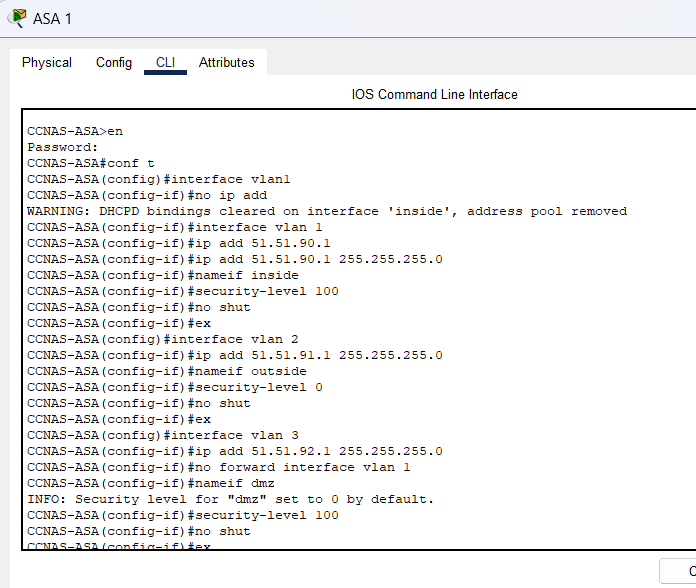


B) Configure ASA Settings and Interface Security

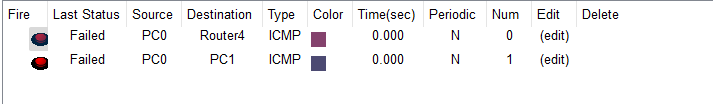
1)Set hostname, domain name and password:



2)Configure Vlan interfaces for inside, outside and dmz

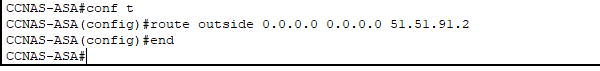


3Test connectivity

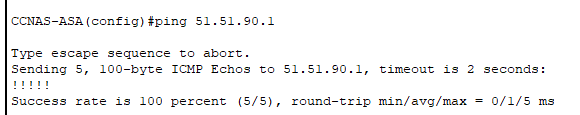


C) Configure Routing, Address Translation (PAT), and Inspection Policy

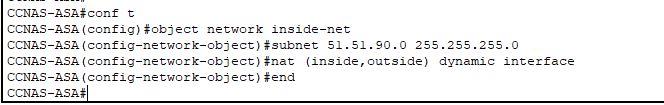
1)Static default routing



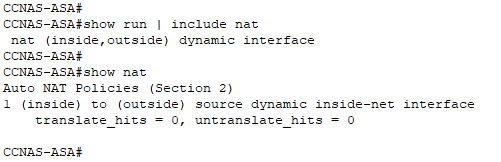
2)verify connectivity



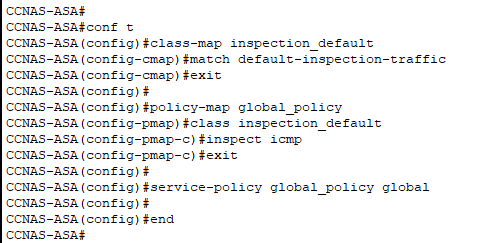
3)Configure NAT



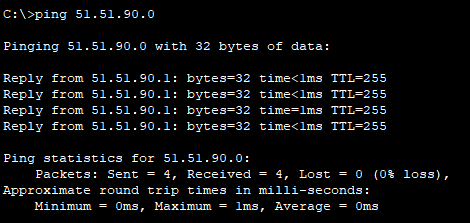
4)verify NAT translations

****

4)Enable ICMP inspection for reply

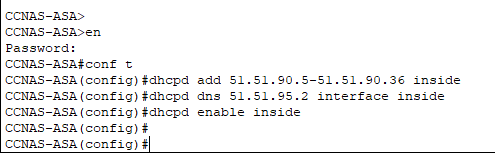


5)Test connectivity by pinging ASA

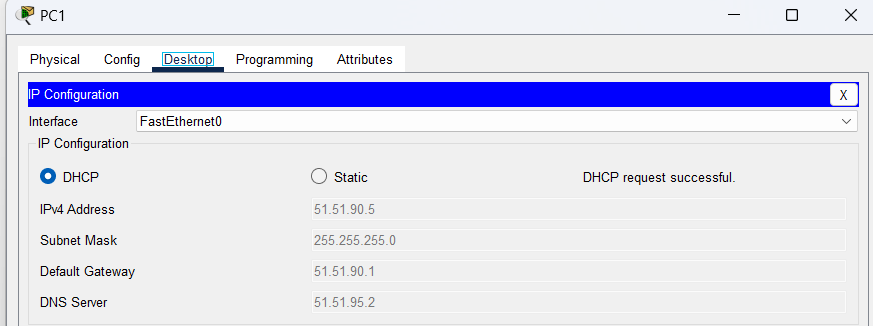


D) Configure DHCP, AAA, and SSH

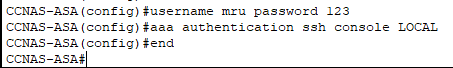
1)Set up DHCP Server on ASA



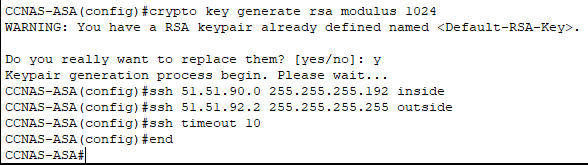
2)Configure pc to obtain IP via DHCP

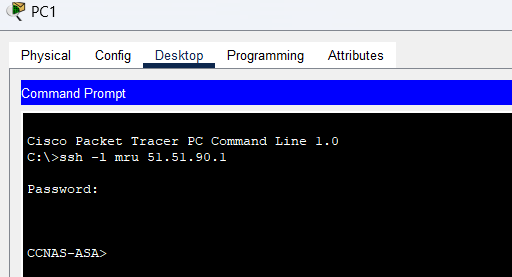


3)Configure SSH for Remote access on ASA

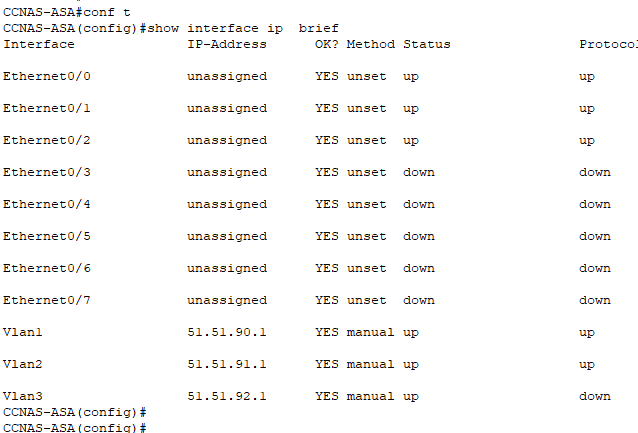


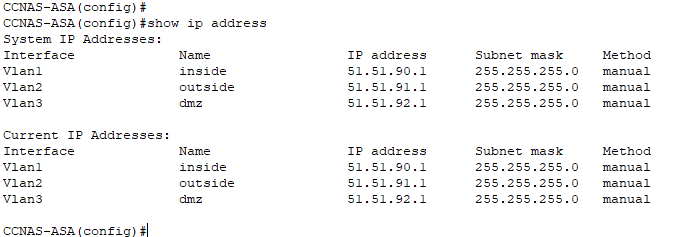
4)Enable SSH for Remote access

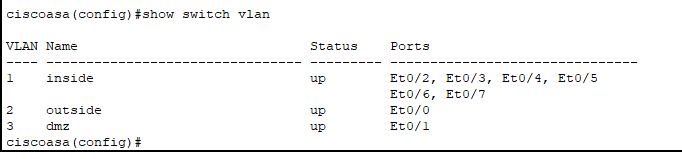


5)Accesing the ASA using ssh

6)Verification



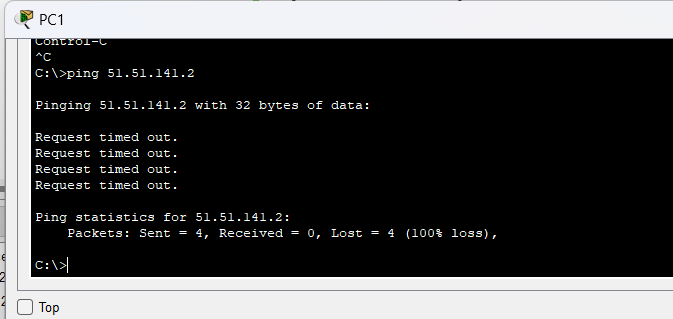




7)Test Connectivity:

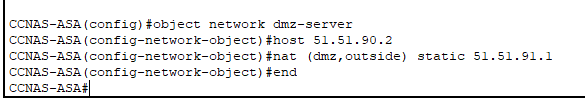
i)PC should ping default gateway(51.51.141.2)

ii)Pc should not be able to ping the network connecting ASA to the Router

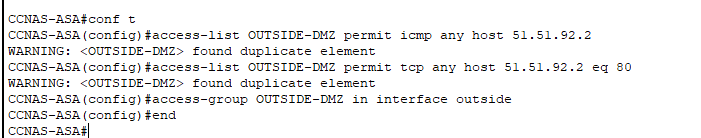


E)Configure DMZ,Static NAT and ACLs

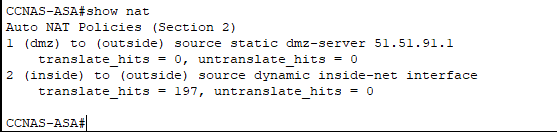
1)Configure Static NAT for DMZ server



2)Allow Web Traffic from internet to dmz



3)Verify NAT



4)Check connectivity by accessing the dmz-server webpage using NAT Ip



5)PC from outside cant directly access dmz-server but can access the other pc from the dmz-network

