21BDS0340

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Information Security Management

Assignment – IV

**Question 1**

**Aim**

Configure the Cisco ASA Firewall

**Procedure**

1. Add configuration for network 10.0.0.0
2. Add DHCP configuration and apply if to interface gigabitEthernet0/0
3. Add SSH configuration

**Screenshots**

A diagram of a computer network

Description automatically generated

DHCP Configuration

A screen shot of a computer code

Description automatically generated

After DHCP Configuration

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

SSH Configuration

A screenshot of a computer code

Description automatically generated

**Results**

ciscoasa(config)#show start

: Saved

: Written by enable\_15 at 00:15:15 UTC Mar 1 1993

: Call-home enabled from prompt by enable\_15 at 00:15:15 UTC Mar 1 1993

:

ASA Version 9.6(1)

!

hostname ciscoasa

names

!

interface GigabitEthernet1/1

nameif sjtblock

security-level 100

ip address 10.0.0.1 255.0.0.0

!

interface GigabitEthernet1/2

no nameif

no security-level

ip address 20.0.0.1 255.0.0.0

!

interface GigabitEthernet1/3

no nameif

no security-level

ip address 30.0.0.1 255.0.0.0

!

interface GigabitEthernet1/4

no nameif

no security-level

no ip address

shutdown

!

interface GigabitEthernet1/5

no nameif

no security-level

no ip address

shutdown

!

interface GigabitEthernet1/6

no nameif

no security-level

no ip address

shutdown

!

interface GigabitEthernet1/7

no nameif

no security-level

no ip address

shutdown

!

interface GigabitEthernet1/8

no nameif

no security-level

no ip address

shutdown

!

interface Management1/1

management-only

no nameif

no security-level

no ip address

shutdown

!

!

!

!

!

aaa authentication ssh console LOCAL

!

!

class-map inspection\_default

match default-inspection-traffic

!

policy-map type inspect dns preset\_dns\_map

parameters

message-length maximum 512

policy-map global\_policy

class inspection\_default

inspect dns preset\_dns\_map

inspect ftp

inspect tftp

!

service-policy global\_policy global

!

telnet timeout 5

ssh 10.0.0.0 255.255.255.0 sjtblock

ssh 10.0.0.0 255.0.0.0 sjtblock

ssh timeout 3

!

dhcpd dns 10.0.0.1

!

dhcpd address 10.0.0.10-10.0.0.15 sjtblock

dhcpd enable sjtblock

!

!

!

!

SSH From PC1

A screenshot of a computer program

Description automatically generated