Adrese Host:

Nume: PC-GOGU

Ip: 173.34.16.78

Subnet-mask: 255.255.248.0

Default Gateway: 173.34.16.1

DNS: 209.165.101.190

Adrese Switch:

Nume: SwGogu

Ip: 173.34.16.2

Subnet-mask: 255.255.248.0

PENTRU SWITCH

Switch> enable

Switch# configure terminal

Switch(config)# no ip domain -lookup

Switch(config)# hostname SwGogu

SwGogu(config)# no cdp run

SwGogu(config)# service password-encryption

SwGogu(config)# enable secret ciscosecpa55

SwGogu(config)# enable password ciscoenapa55

SwGogu(config)# banner motd *Luni la ora 8:00 sedinta L.T*

SwGogu(config)# line console 0

SwGogu(config-line)# password cisconpa55

SwGogu(config-line)# login

SwGogu(config-line)# logging synchronous

SwGogu(config-line)# exec-timeout 15 20

SwGogu(config-line)# exit

SwGogu(config)# line vty 0 15

SwGogu(config-line)# password ciscovtypa55

SwGogu(config-line)# login

SwGogu(config-line)# logging synchronous

SwGogu(config-line)# exec-timeout 10 10

SwGogu(config-line)# exit

SwGogu(config)# exit

////////// DE CATE ORI VRETI SA SALVATI

SwGogu# copy running-config startup-config   // doar Enter

SwGogu# clock set 13:49:25 15 Mar 2023

SwGogu# configure terminal

SwGogu(config)# ip domain-name info.ro

SwGogu(config)# username Admin01 privilege 15 secret Admin01pa55

SwGogu(config)# line vty 0 15

SwGogu(config-line)# transport input ssh

SwGogu(config-line)# login local

SwGogu(config-line)# exit

SwGogu(config)# crypto key generate rsa

How many bits in the modulus [512]: 2048

SwGogu(config)# interface vlan 1

SwGogu(config-if)# description Legatura cu ramura 173.34.16.78/20

SwGogu(config-if)# ip address 173.34.16.2 255.255.248.0

SwGogu(config-if)# no shutdown

SwGogu(config-if)# end

SwGogu# copy running-config startup config

//////// Parole:

////// cisconpa55

////// ENABLE: ciscosecpa55

///// SSH: Admin01pa55

//// Teste: Conectam HOST cu SwGogu cu cablu copper straight-through

//// PC-GOGU -> DESKTOP -> COMMAND PROMPT

C: \>ping 173.34.16.2   //// Daca e bine va da reply from 173.34.16.2
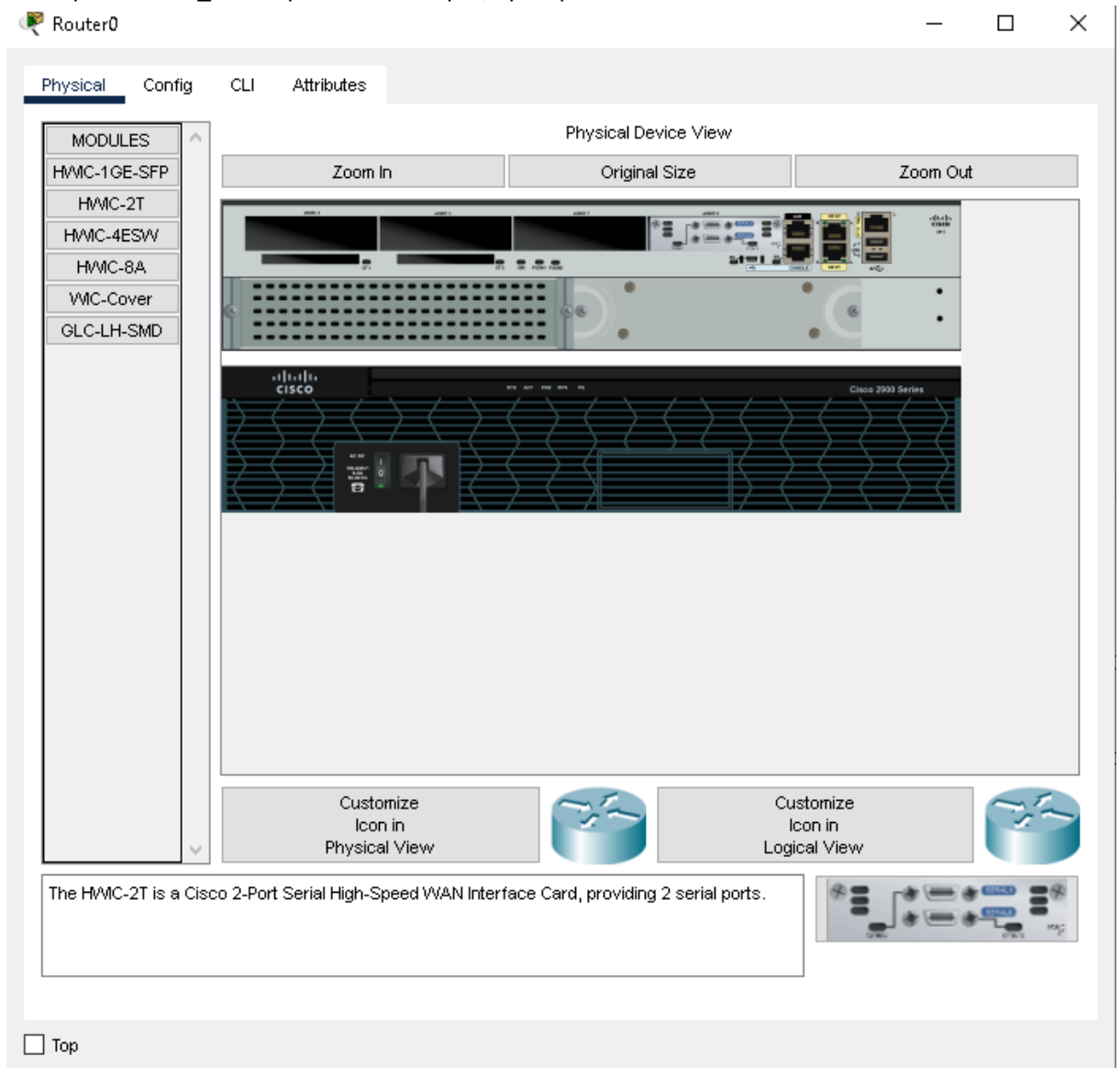
C: \>ssh -l Admin01 173.34.16.2

Password: Admin01pa55   //// Daca e ok suntem in switch

Pentru ROUTER:

1. Luam Router 2911
2. Click Router
3. Power off   //buton mic stanga jos
4. Luam placa HWIC_2T si o punem in dreapta, aproape de sursa

The HWIC-2T is a Cisco 2-Port Serial High-Speed WAN Interface Card, providing 2 serial ports.

5. Power on
6. Redenumim Routerul in RGOGU
7. Luam cablul consola (albastru) de la SERVICE si ii dam drag in drop la RGOGU in consola.
8. Service -> Desktop -> Terminal
9. Scriem "no" la interogare

Comenzi:

Router> enable

Router# configure terminal

Router(config)# no ip domain-lookup

Router(config)# hostname RGOGU

RGOGU(config)# no cdp run

RGOGU(config)# service password-encryption

RGOGU(config)# login block-for 50 attempts 3 within 10

RGOGU(config)# security passwords min-length 10

RGOGU(config)# enable secret ciscosecpa55

RGOGU(config)# enable password ciscoenapa55

RGOGU(config)# banner login *Accesul persoanelor neautorizate este strict interzis!*

RGOGU(config)# banner motd *Luni la 14:00 serverul va fi oprit!*

RGOGU(config)# line console 0

RGOGU(config-line)# password cisconpa55

RGOGU(config-line)# login

RGOGU(config-line)# logging synchronous

RGOGU(config-line)# exec-timeout 10 10

RGOGU(config-line)# exit

RGOGU(config)# line vty 0 15

RGOGU(config-line)# password ciscovtypa55

RGOGU(config-line)# login

RGOGU(config-line)# logging synchronous

RGOGU(config-line)# exec-timeout 10 15

RGOGU(config-line)# end

RGOGU# clock set 14:24:00 15 Mar 2023

RGOGU# configure terminal

RGOGU(config)# ip domain-name info.ro

RGOGU(config)# username Admin01 privilege 15 secret Admin01pa55

RGOGU(config)# line vty 0 15

RGOGU(config-line)# transport input ssh

RGOGU(config-line)# login local

RGOGU(config-line)# exit

RGOGU(config)# crypto key generate rsa

How many bits in the modulus [512]: 2048

RGOGU(config)# interface gigabitethernet 0/0

RGOGU(config-if)# description Legatura cu ramura 173.34.16.0/21

RGOGU(config-if)# ip address 173.34.16.1 255.255.248.0

RGOGU(config-if)# no shutdown

RGOGU(config-if)# exit

RGOGU(config)# interface gigabitethernet 0/1

RGOGU(config-if)# description Legatura cu ramura 192.168.10.96/27

RGOGU(config-if)# ip address 192.168.10.97 255.255.255.224

RGOGU(config-if)# no shutdown

RGOGU(config-if)# end

RGOGU# copy running-config startup-config

//Conectam un cablu copper straight-through din Switch(Gigabit0/1) in Router(Gigabit 0/0)

// Testam din (pc-gogu) HOST -> Desktop -> Command Prompt

C:\ ping 173.34.16.1

C:\ssh -l Admin01 173.34.16.1

Password: Admin01pa55