**PC**

1. Nume: PC-ITALIA
2. Placa de rețea: PT-HOST-NM-1CGE
3. IP Configuration
4. Email

Your Name: PC-ITALIA

Email Address: PC-ITALIA@INFO.RO

Incoming Mail Server: DNS-ul

Outcoming Mail Server: DNS-ul

Username: PC-ITALIA

Password: 123456

**SWITCH**

1. Tip: 2960
2. Nume: SwITALIA
3. Legăm un Laptop (Nume: SERVICE) de Switch cu un cablu Console:

RS 232 (laptop) ------------- Console (Switch)

Switch> en

Switch# conf t

Switch(config)# no ip domain-l

Switch(config)# hostn SwITALIA

SwITALIA(config)# no cdp run

SwITALIA(config)# ser p (service password-encryption)

SwITALIA(config)# ena s ciscosecpa55

SwITALIA(config)# ena p ciscoenapa55

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

SwITALIA(config)# line con 0

SwITALIA(config-line)# pass ciscoconpa55

SwITALIA(config-line)# login

SwITALIA(config-line)# logg s

SwITALIA(config-line)# exe 15 15

SwITALIA(config)# line vty 0 15

SwITALIA(config-line)# pass ciscovtypa55

SwITALIA(config-line)# login

SwITALIA(config-line)# logg s

SwITALIA(config-line)# exe 15 15

SwITALIA(config-line)# end

SwITALIA# clock set 10:22:00 16 Mar 2023

SwITALIA# conf t

SwITALIA(config)# ip domain-n info.ro

SwITALIA(config)# usern Admin01 priv 15 sec Admin01pa55

SwITALIA(config)# line vty 0 15

SwITALIA(config-line)# t i ssh

SwITALIA(config-line)# login local

SwITALIA(config-line)# exit

SwITALIA(config)# logg host DNS

SwITALIA(config)# ser t l d m (service timestamps log datetime msec)

SwITALIA(config)# ser t d d m (service timestamps debug datetime msec)

SwITALIA(config)# cr k g r - 2048 (crypto key generate rsa)

SwITALIA(config)# int vlan 1

SwITALIA(config-if)# d Legatura cu ramura Italia

SwITALIA(config-if)# ip add al-doilea-ip-din-range **Masca**

SwITALIA(config-if)# no shut

SwITALIA(config-if)# exit

SwITALIA(config)# ip de default-gateaway (cel mai mic ip din range)

SwITALIA(config)# int r fa 0/1 - 24

SwITALIA(config-if-range)# shut

SwITALIA# copy run start - Enter

HOST (GigabitEthernet0) ------- Copper Straight-Through ------- SWITCH (GigabitEthernet0/2)

----- HOST - DESKTOP - COMMAND PROMPT

C: \> ping 173.34.16.2

C: \> ssh -l Admin01 173.34.16.2 - Password: Admin01pa55

**ROUTER**

1. Tip: 2911
2. Nume: RITALIA
3. Placa de rețea: HWIC-2T (in slotul cel mai din dreapta)

Router> en

Router# conf t

Router(config)# no ip domain-l

Router(config)# hostn RITALIA

RITALIA(config)# no cdp run

RITALIA(config)# login b 50 a 3 w 10 (login block-for 50 attempts 3 within 10)

RITALIA(config)# security p m 10 (security passwords min-length 10)

RITALIA(config)# ser p (service password-encryption)

RITALIA(config)# enab sec ciscosecpa55

RITALIA(config)# enab pass ciscoenapa55

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

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

RITALIA(config)# line con 0

RITALIA(config-line)# pass ciscoconnpa55

RITALIA(config-line)# login

RITALIA(config-line)# logg synch

RITALIA(config-line)# exec-ti 10 10

RITALIA(config-line)# exit

RITALIA(config)# line vty 0 15

RITALIA(config-line)# pass ciscovtypa55

RITALIA(config-line)# login

RITALIA(config-line)# logg synch

RITALIA(config-line)# exec-ti 10 15

RITALIA(config-line)# end

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

RITALIA# conf t

RITALIA(config)# ip domain-n info.ro

RITALIA(config)# usern Admin01 priv 15 sec Admin01pa55

RITALIA(config)# line vty 0 15

RITALIA(config-line)# t i ssh

RITALIA(config-line)# login local

RITALIA(config-line)# exit

RITALIA(config)# logg host DNS

RITALIA(config)# ser t l d m (service timestamps log datetime msec)

RITALIA(config)# ser t d d m (service timestamps debug datetime msec)

RITALIA(config)# cr k g r - 2048 (crypto key generate rsa)

RITALIA(config)# int ser 0/0/0

RITALIA(config-if)# desc Legatura cu routerul Y

RITALIA(config-if)# ip add unul-dintre-ip-urile-de-legatura 255.255.255.252

RITALIA(config-if)# no shut

RITALIA(config-if)# end

RITALIA(config)# int gig0/0

RITALIA(config-if)# desc Legatura cu ramura ITALIA

RITALIA(config-if)# ip add **Default-Gateaway Masca**

**RITALIA(config-if)# ip helper-address ip-router-cu-dhcp (In routerele fara DHCP)**

RITALIA(config-if)# no shut

RITALIA(config-if)# exit

**RITALIA(config)# int gig0/1 (Pentru routerele din ramuri cu WiFi)**

**RITALIA(config-if)# desc Legatura cu WiFi-ITALIA**

**RITALIA(config-if)# ip add Primul-ip-din-legatura-cu-wifi-ul 255.255.255.252**

**RITALIA(config-if)# no shut**

**RITALIA(config-if)# exit**

**RITALIA(config)# ip dhcp e Default-Gateaway ip-ul-primului-pc-din-ramura**

**RITALIA(config)# ip dhcp p Numele-Ramurii**

**RITALIA(dhcp-config)# net Network-Address Masca**

**RITALIA(dhcp-config)# def Default-Gateaway**

**RITALIA(dhcp-config)# dns DNS**

**RITALIA(dhcp-config)# dom info.ro**

**(pentru fiecare ramură, înafară de cea în care se află Serverul)**

RITALIA(config)# ip route NA-Destinatie Masca-Destinatie s 0/0/0

**(pentru absolut tot ce s-a calculat la pasul 2 și nu a fost legat direct)**

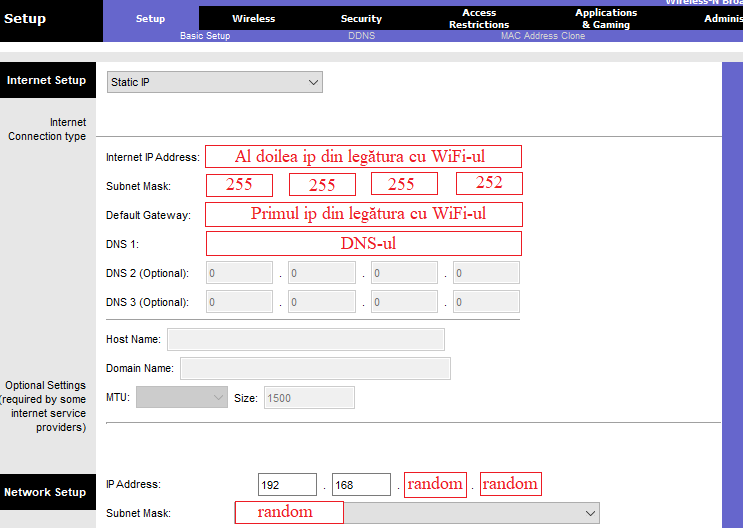
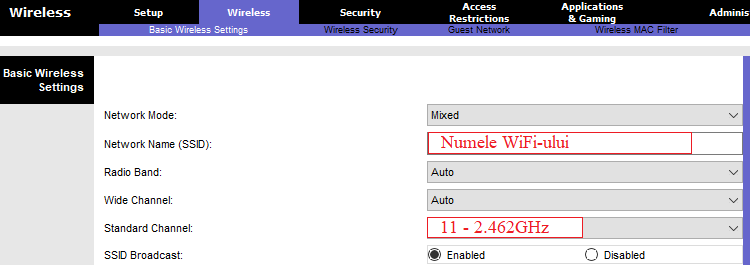
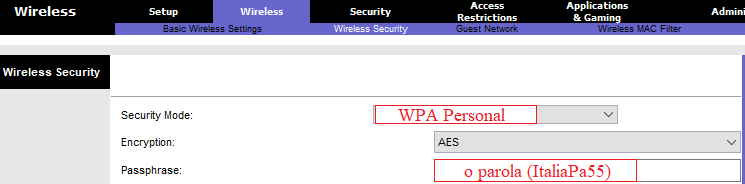
RITALIA# copy run start - Enter

SWITCH (GigabitEthernet0/1) ---- Copper Straight-Through ---- ROUTER (GigabitEthernet0/0)

ROUTER (GigabitEthernet0/1) ---- Copper Cross-Over ---- WiFi (Internet)

ROUTER (Serial0/0/0) ---- Serial DTE ---- ROUTER (Serial0/0/0)

**WiFi**

1. Tip: WRT300N
2. Nume: WiFi-ITALIA
3. 
4. 
5. 
6. Wireless MAC Filter

**SERVER**

1. Nume: SERVER
2. Placa de rețea: PT-HOST-NM-1CGE (în slotul cel mai de sus)
3. Email

Your Name: SERVER

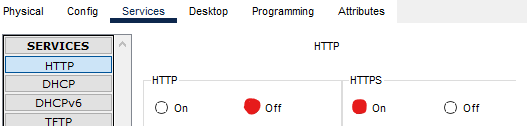
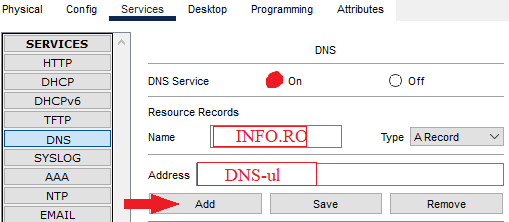
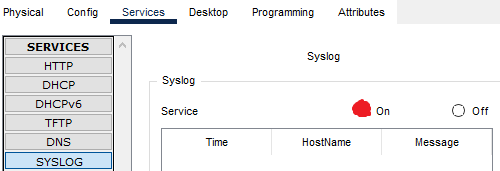
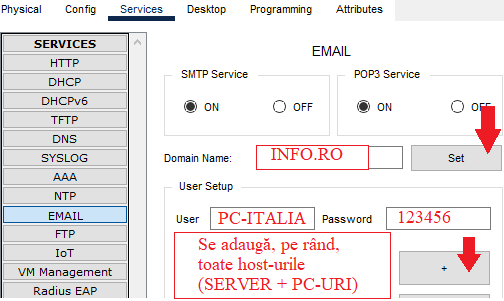
Email Address: SERVER@INFO.RO

Incoming Mail Server: DNS-ul

Outcoming Mail Server: DNS-ul

Username: SERVER

Password: 123456

1. 
2. 
3. 
4. 
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