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)# log 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-lui

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 -1 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

 $RITALIA (config) \# ip \ dhcp \ e \ {\color{blue} Default-Gateaway} \ ultimul-ip-rezervat-pt-switch-uri$

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

						vireless-iv broa	
Setup	Setup	Wireless	Security	Access Restrictions	Applications & Gaming	Adminis	
	Basic S	Setup	DDNS	MAC Addre	ess Clone		
Internet Setup	Static IP		_				
,	Statio II	.,	*				
Internet							
Connection type -							
	Internet IP Address:	Al doilea in	din legătura ci	u WiFi-ul			
	Subnet Mask:	255	255 255	252			
	Default Gateway:	Primul ip din legătura cu WiFi-ul					
	- L						
	DNS 1:		DNS-ul				
	DNS 2 (Optional):	0 . 0	. 0	. 0			
	[
	DNS 3 (Optional):	0 . 0	. 0	. 0			
	Host Name:						
	Domain Name:						
Optional Settings							
(required by some internet service	MTU:	∨ Size: 1500					
providers)							
,							
	IP Address:	192	. 168 . ra	ndom random			
Network Setup							
	Subnet Mask:	random			∨		

3.



Wireless Security

Security

Basic Wireless Settings

Security

Wireless Security

Wireless Security

Security Mode:

Encryption:

Passphrase:

O parola (ItaliaPa55)

6. Wireless MAC Filter

SERVER

1. Nume: SERVER

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

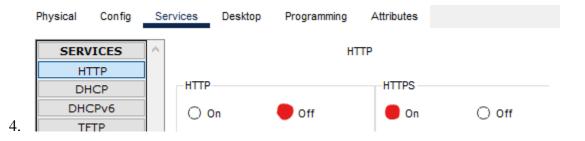
3. Email

Your Name: SERVER

Email Address: SERVER@INFO.RO

Incoming Mail Server: DNS-ul Outcoming Mail Server: DNS-ul

Username: SERVER Password: 123456



5.

