Configurarea serverelor din DMZ

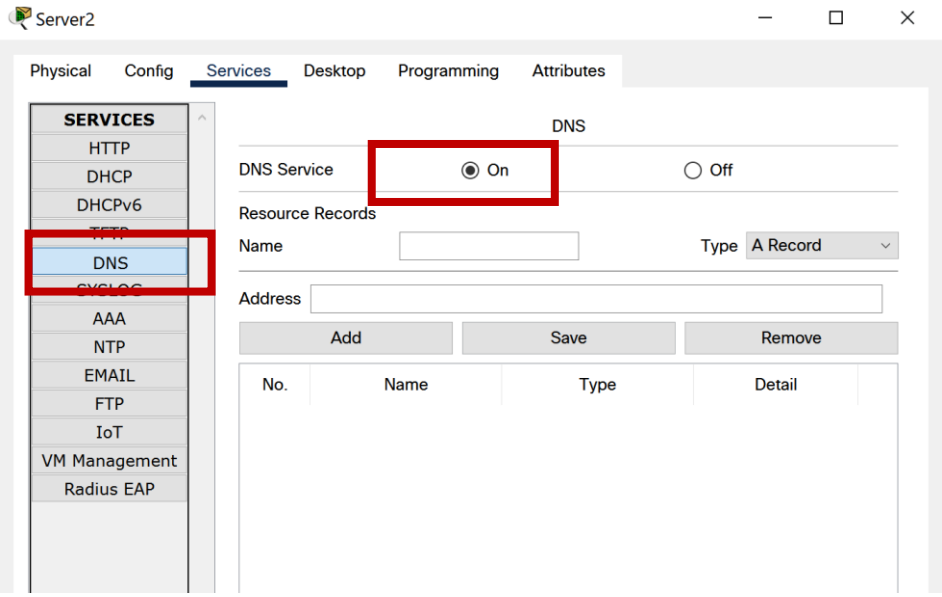
a. Se vor configura serverele: DNS, EMAIL, FTP si HTTP

b. Fiecare student va folosi numele sau pentru conturi (username si parole) si pentru inregistrari in serverul de DNS

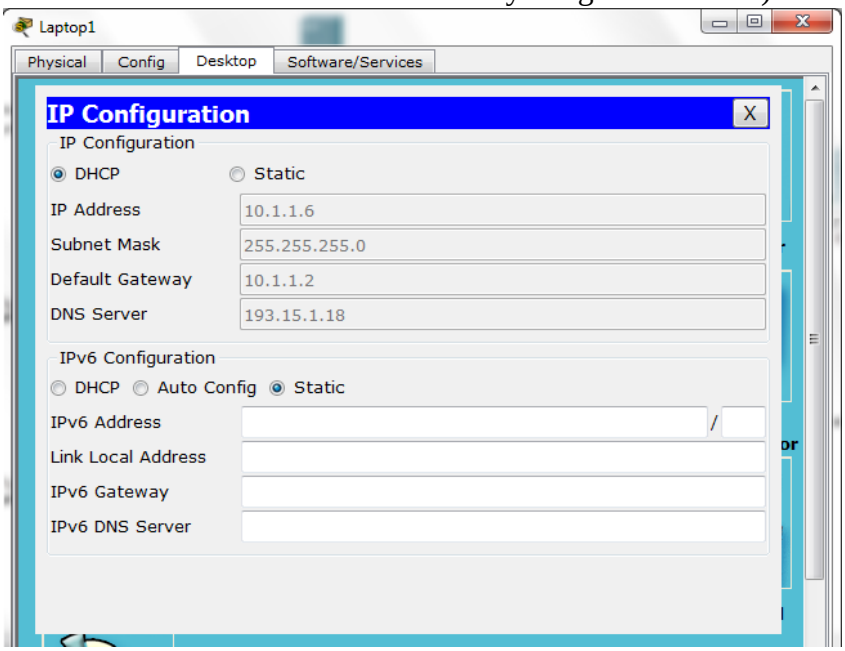
Configure and test a **DNS** server:

Click on the desired server.

Select a service to configure: DNS

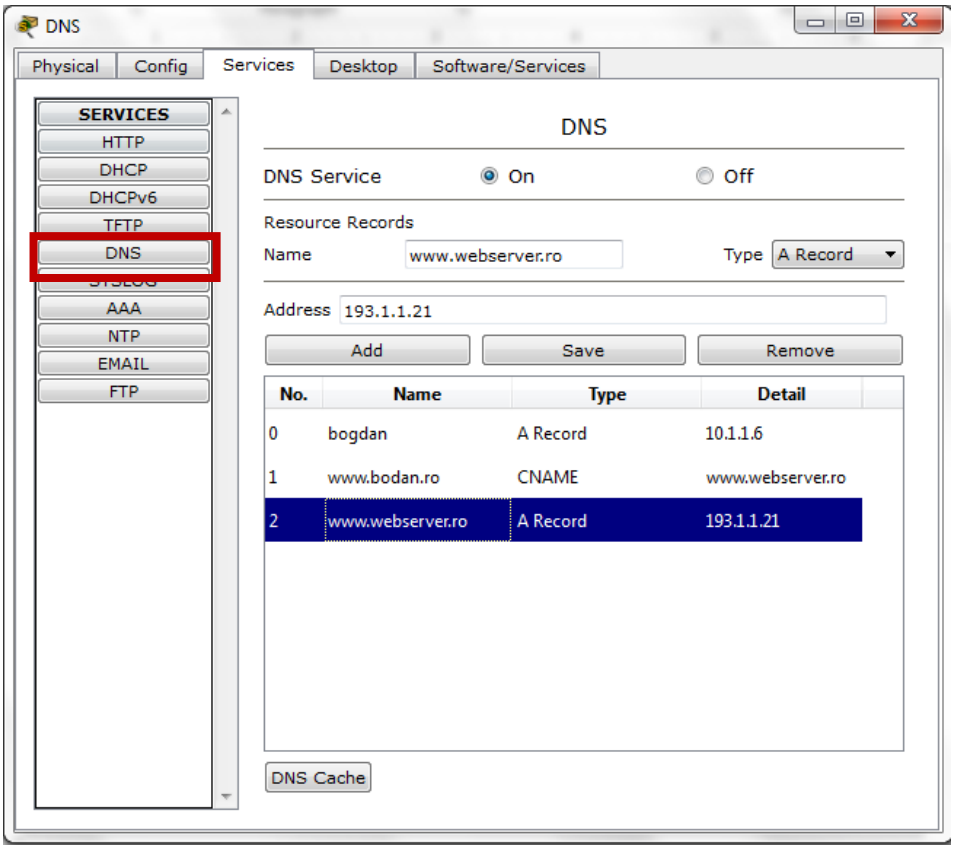


a. All the devices should have a DNS server address (verify you have assigned an DNS address using either DHCP service or statically assign the address)

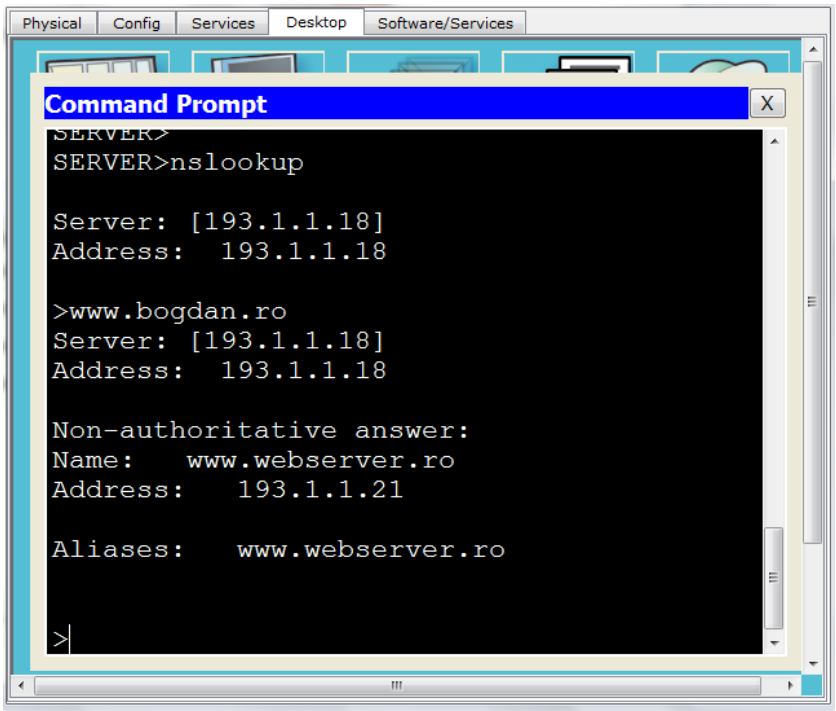


b. Add entries (Name and address):

- for example add the IP address of your HTTP server on the Address field and your name (webserverYourName) on the Name field; do the same with all the other servers

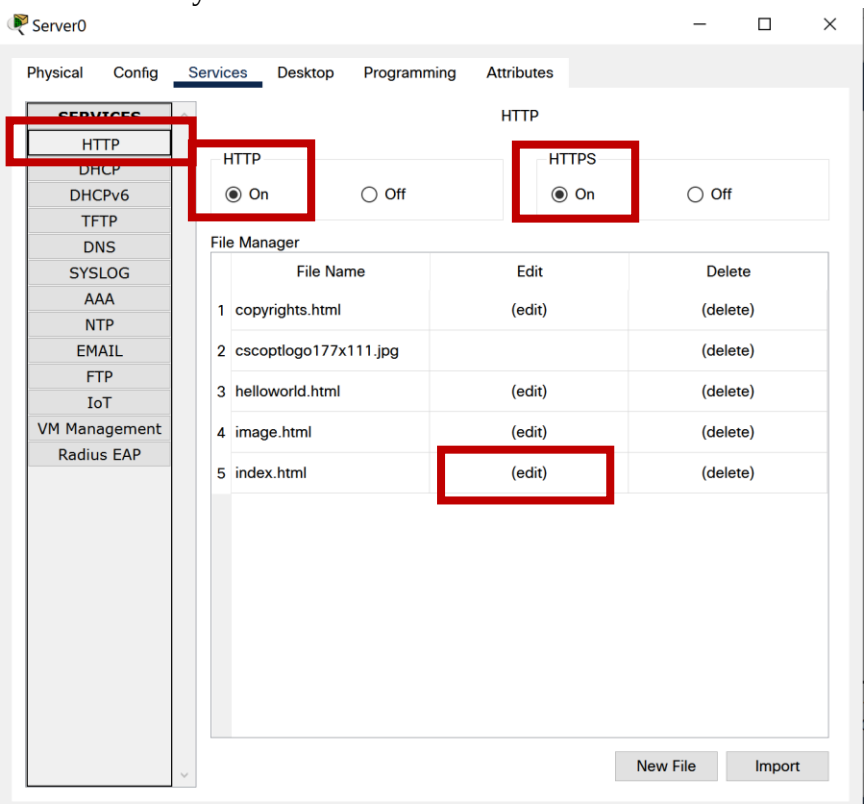


c. Test the DNS service:
   i. Open command prompt on a network host (PC/laptop)
   ii. Enter the **nslookup** command
   iii. Test with a define Name or IP address



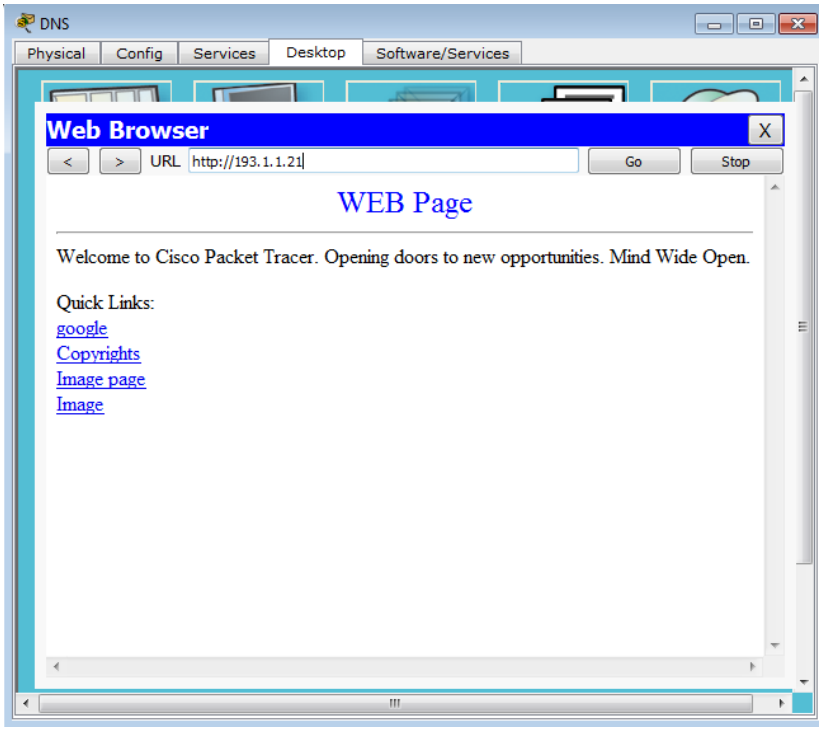
Configure and test **HTTP/HTTPS** services with a IP address and a Name:

a. Check the HTTP and HTTPS services are running on the server; modify the index.html Title to your OwnName

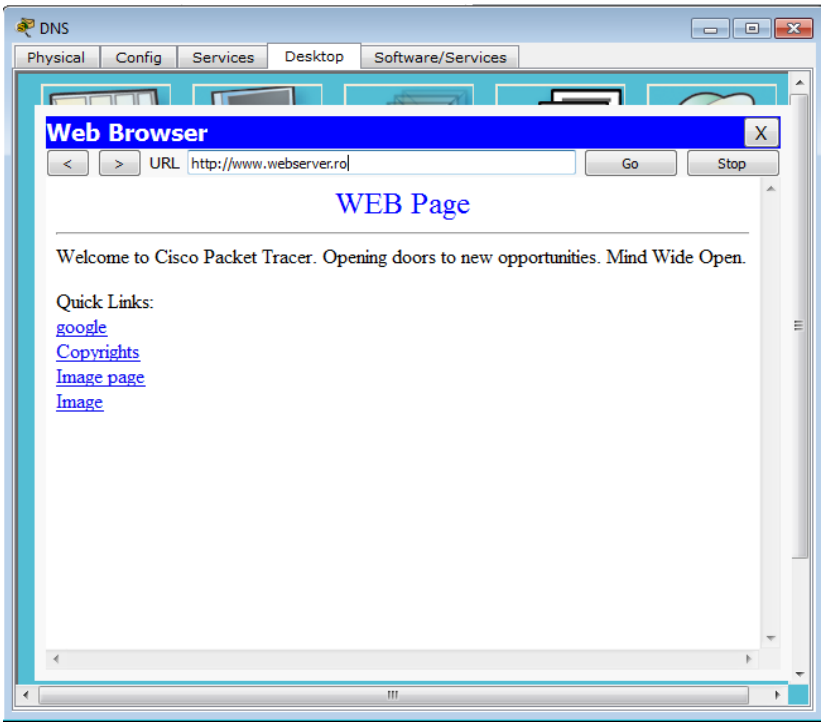


b. Open a on a web browser on a network host (on a PC from the private network)

c. Connect to the HTTP server using an IP address

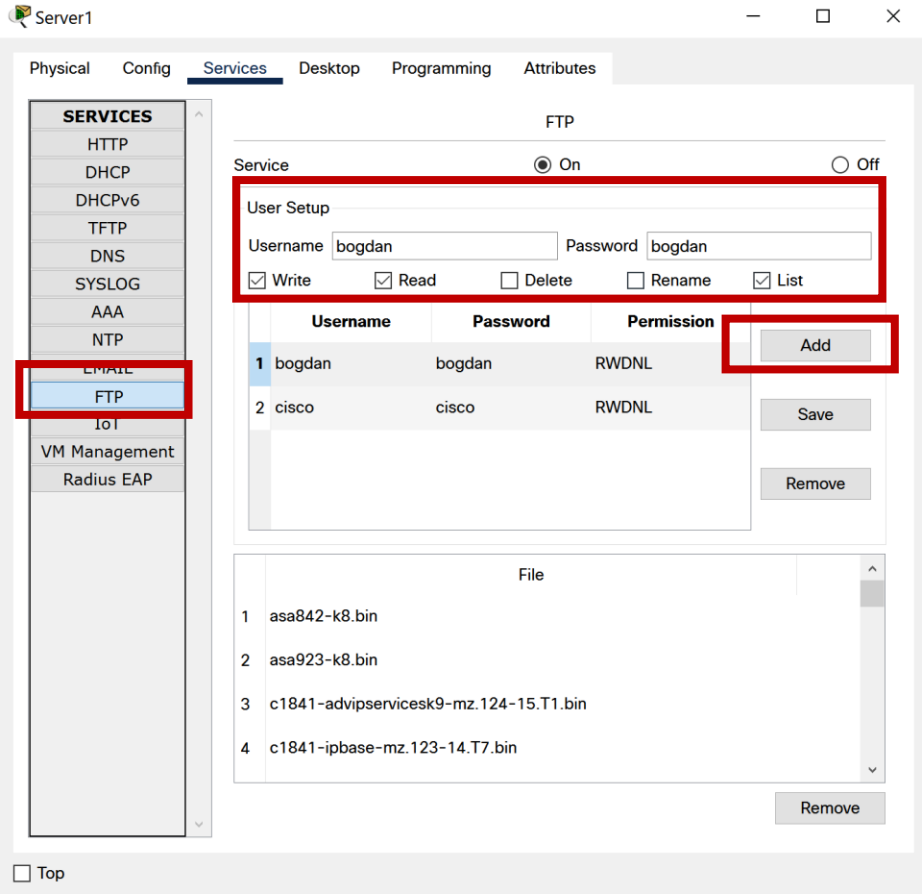


d. Connect to the HTTP server using the Name (previously defined and mapped to an IP address in DNS)



Configure and test **FTP** services

a. Create a new user (using your own name) with several access rights (WR/RD/DEL etc.)



b. Test the FTP service (see picture below:
   i. Open command prompt on a network host (PC/laptop)
   ii. Enter the **ftp <FTP server IP address>** or **ftp < FTP server Name>** command
   iii. Enter the defined credentials (username and password)
   iv. Enter different commands (dir, get etc)

Laptop0

Physical Config Desktop Programming Attributes

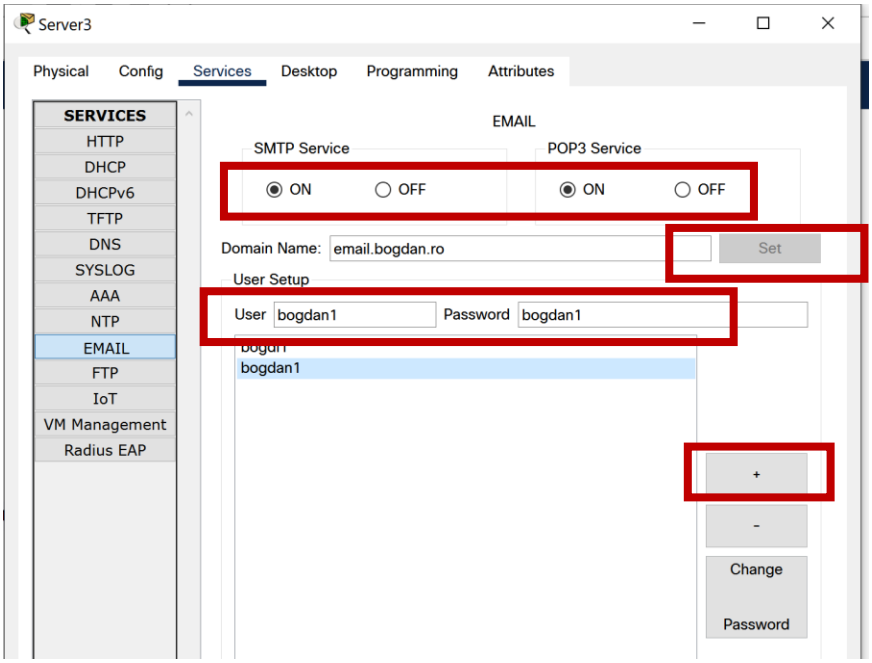
Command Prompt

```
C:\>ftp 210.2.2.67
Trying to connect...210.2.2.67
Connected to 210.2.2.67
220- Welcome to PT Ftp server
Username:bogdan
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>dir

Listing /ftp directory from 210.2.2.67:
0    : asa842-k8.bin                                5571584
1    : asa923-k8.bin                                30468096
2    : c1841-advipservicesk9-mz.124-15.T1.bin       33591768
3    : c1841-ipbase-mz.123-14.T7.bin                13832032
4    : c1841-ipbasek9-mz.124-12.bin                 16599160
5    : c1900-universalk9-mz.SPA.155-3.M4a.bin       33591768
6    : c2600-advipservicesk9-mz.124-15.T1.bin       33591768
7    : c2600-i-mz.122-28.bin                        5571584
8    : c2600-ipbasek9-mz.124-8.bin                  13169700
9    : c2800nm-advipservicesk9-mz.124-15.T1.bin     50938004
10   : c2800nm-advipservicesk9-mz.151-4.M4.bin      33591768
11   : c2800nm-ipbase-mz.123-14.T7.bin              5571584
12   : c2800nm-ipbasek9-mz.124-8.bin                15522644
```

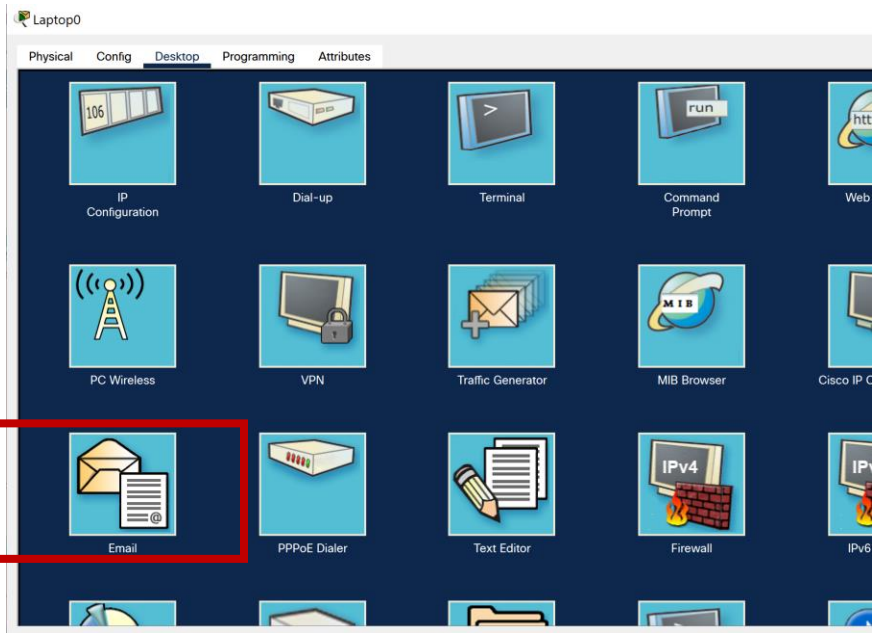
```
ftp>get asa842-k8.bin

Reading file asa842-k8.bin from 210.2.2.67:
File transfer in progress...

[Transfer complete - 5571584 bytes]

5571584 bytes copied in 17.908 secs (71287 bytes/sec)
```

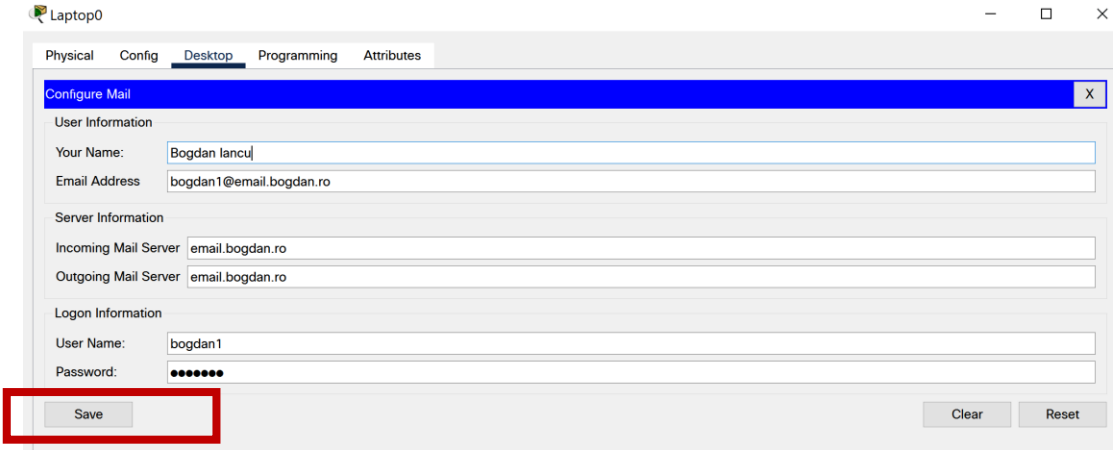
Configure and test **E-MAIL** services

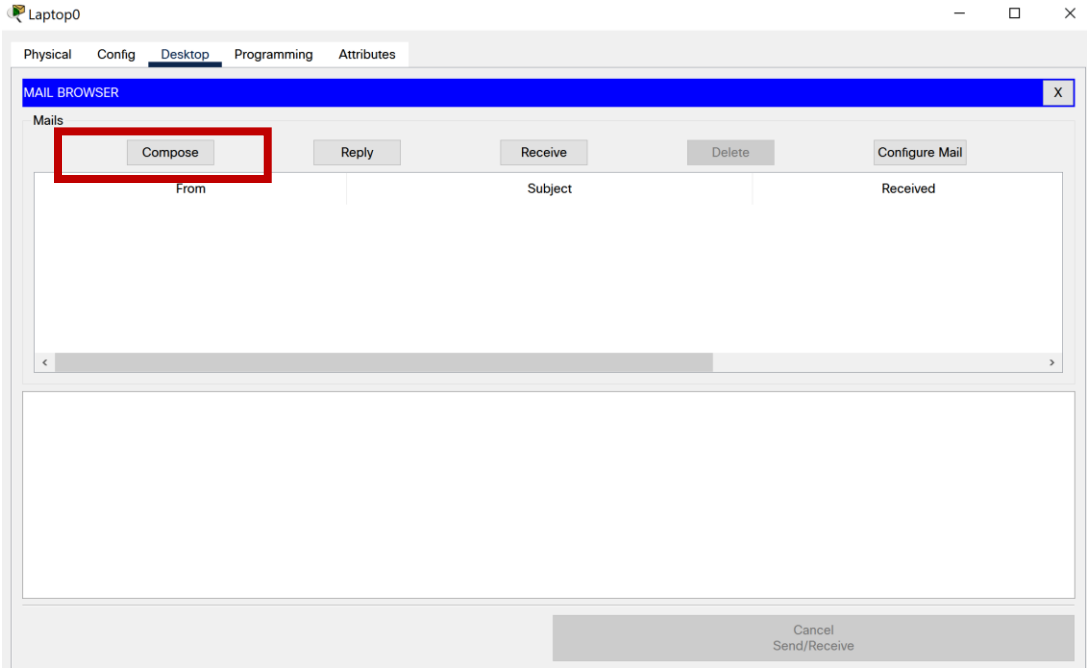
a. For the Domain Name use the DNS name assigned to your Email server
b. Create a new user (using your own name)



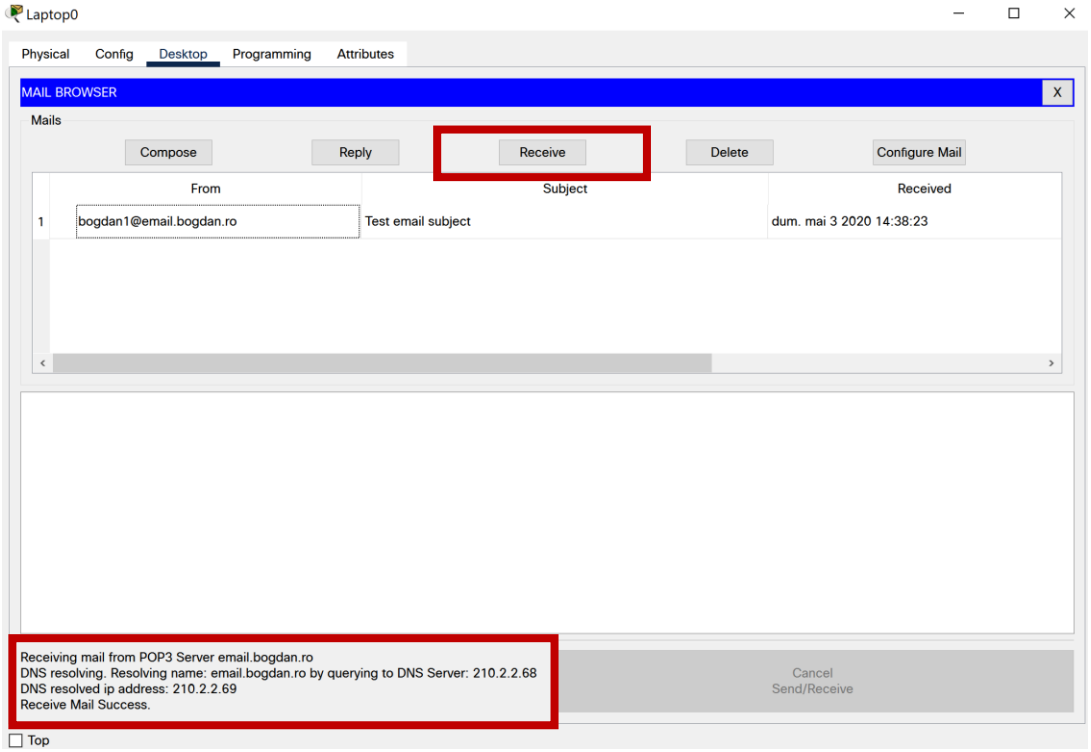
c. Test the Email service (see pictures below):
   v. Open the email app on several network hosts (PC/laptop)
   vi. Enter the email configuration info
   vii. Compose and send an email
   viii. Verify it was sent/received successful




Laptop0
Physical
Config
Desktop
Programming
Attributes
Configure Mail
X
User Information
Your Name:
Bogdan Iancu
Email Address
bogdan1@email.bogdan.ro
Server Information
Incoming Mail Server
email.bogdan.ro
Outgoing Mail Server
email.bogdan.ro
Logon Information
User Name:
bogdan1
Password:
Save
Clear
Reset


Laptop0
Physical
Config
Desktop
Programming
Attributes
MAIL BROWSER
X
Mails
Compose
Reply
Receive
Delete
Configure Mail
From
Subject
Received
Cancel
Send/Receive

Laptop0
Physical
Config
Desktop
Programming
Attributes
Compose Mail
X
Send
To:
bogdan1@email.bogdan.ro
Subject:
Test email subject
Test email content


Laptop0
Physical
Config
Desktop
Programming
Attributes
MAIL BROWSER
X
Mails
Compose
Reply
Receive
Delete
Configure Mail
From
Subject
Received
1
bogdan1@email.bogdan.ro
Test email subject
dum. mai 3 2020 14:38:23
Receiving mail from POP3 Server email.bogdan.ro
DNS resolving. Resolving name: email.bogdan.ro by querying to DNS Server: 210.2.2.68
DNS resolved ip address: 210.2.2.69
Receive Mail Success.
Cancel
Send/Receive
Top