GUIDE TO INSTALLING AN SMTP MAIL SERVER

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1. WHY USE AN INTERNAL MAILSERVER

This guide is intended to guide the user in the installation of an SMTP server to send emails with Seneca Dataloggers that do not support an SSL/TLS connection.

In fact, public SMTP servers allowing a connection without SSL/TLS are increasingly rare.

Another good reason to install an internal mail server is that public SMTPs have blocking policies when sending emails that are too numerous or that contain incomprehensible data.

The use of an internal mailserver therefore provides control and debugging that is impossible to obtain in any other way.

2. hMailServer

Seneca recommends using hMailServer as an internal mail server as it has been tested with all Seneca Dataloggers.

It is a simple, fast, open source software that runs on Windows systems.

The supported operating systems are:

- Microsoft Windows 10
- Microsoft Windows 8.1
- Microsoft Windows 2012 (all editions)
- Microsoft Windows 2008 (all editions)
- Microsoft Windows 2003 (all editions)
- Microsoft Windows 7 (all editions)
- Microsoft Windows Vista
- Microsoft Windows XP Professional Service Pack 3

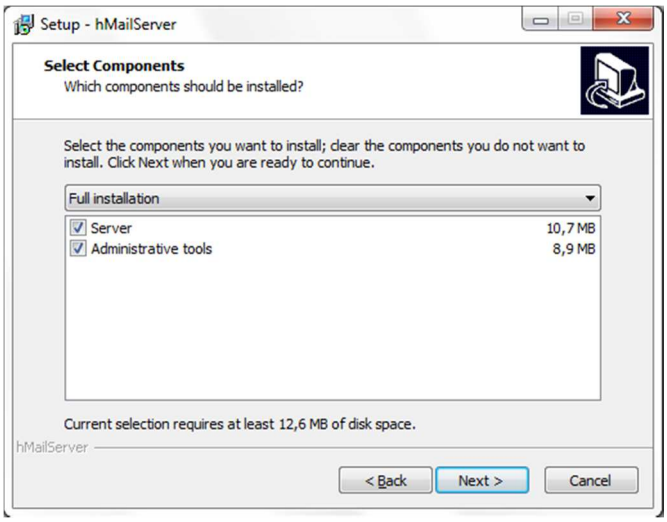
3. INSTALLING hMailServer

Download the software from:

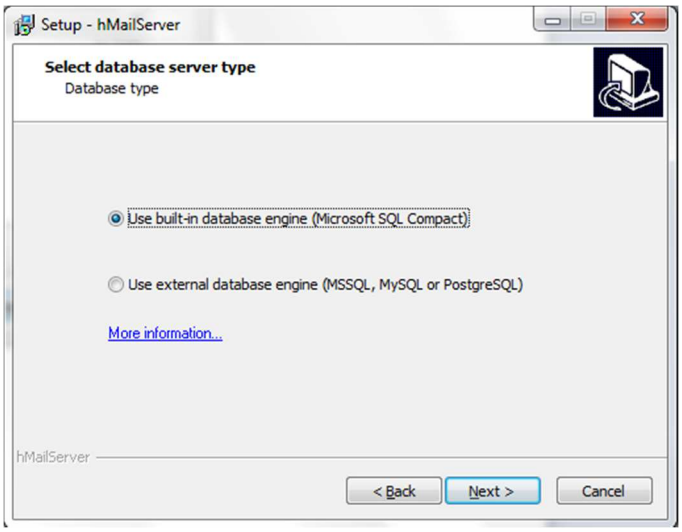
https://www.hmailserver.com/download

Launch the complete installation:

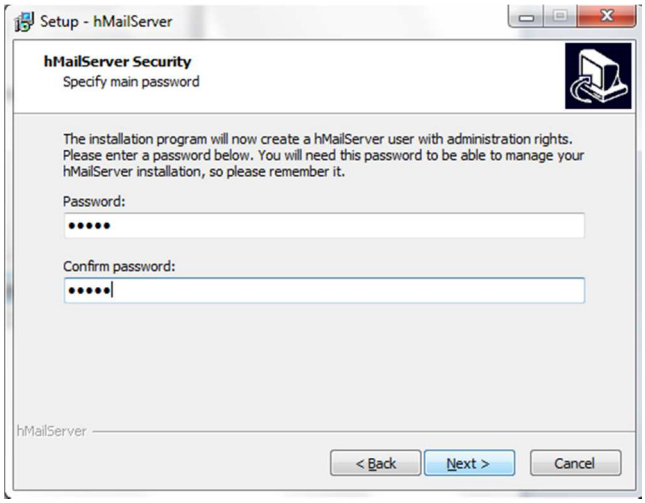
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Use the internal database:



Set a password to access the administration tools:



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ATTENTION!

MAKE A NOTE OF THE PASSWORD SO THAT YOU CAN ACCESS THE HMAILSERVER CONFIGURATION LATER ON.

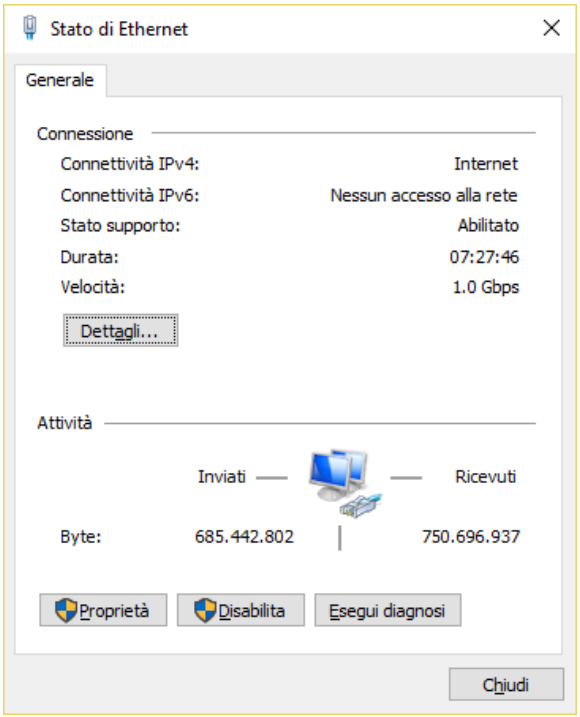
4. PC CONFIGURATION

It is necessary to set a static IP on the PC where hMailServer is installed.

Go to:

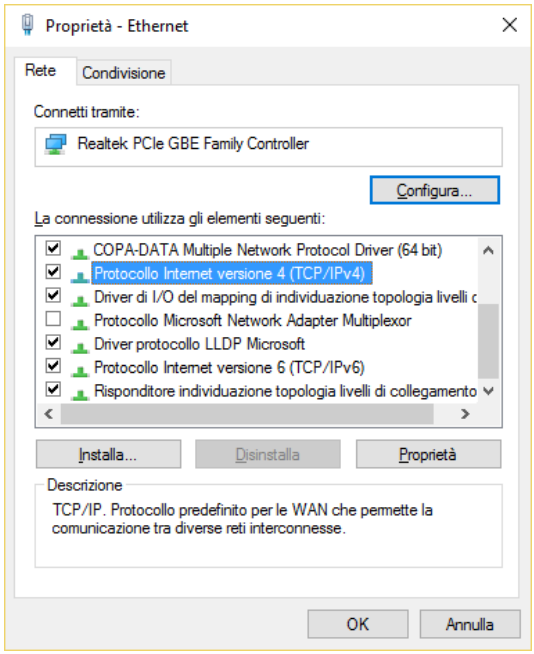
Control panel -> Network connection centre

Select the ethernet port:

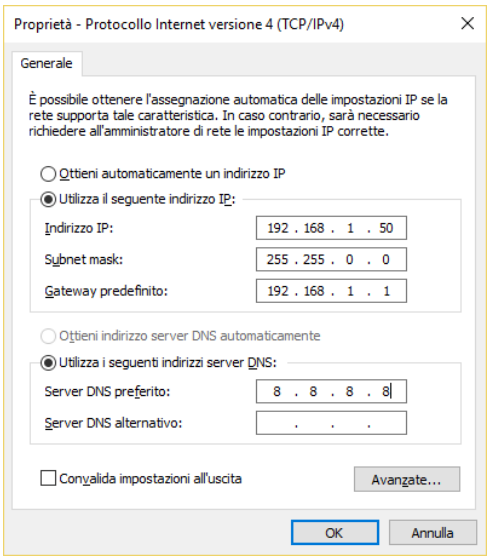


Click on "Properties" and select "Version 4 IPv4 Internet Protocol":

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Click "Properties" and set a static IP address like:

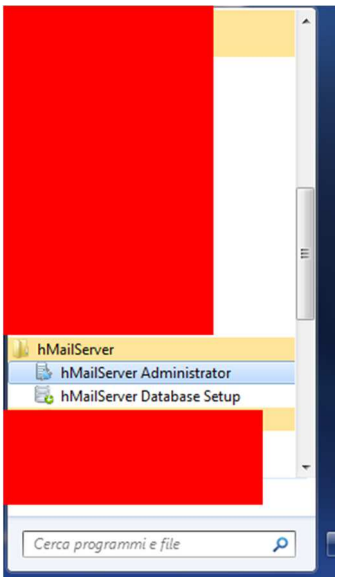


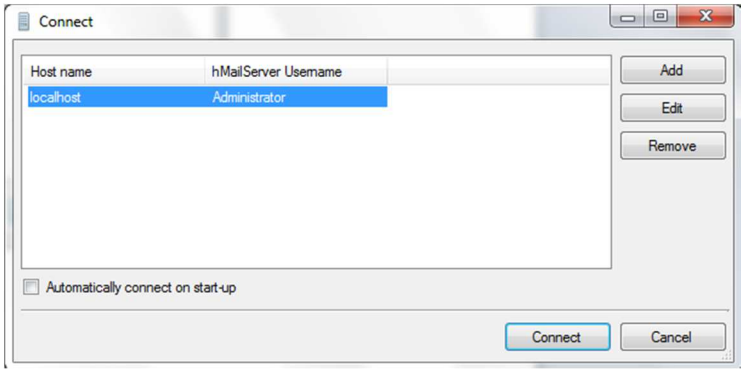
Confirm with "OK".

5. CONFIGURATION OF the hMailServer SMTP SERVER

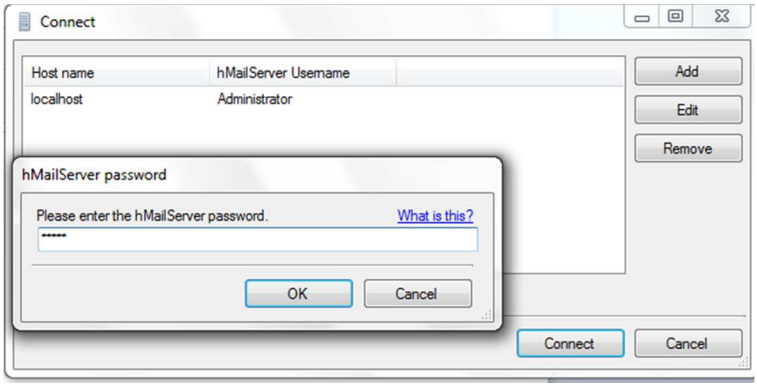
Launch the hMailServer Administrator administration tool:

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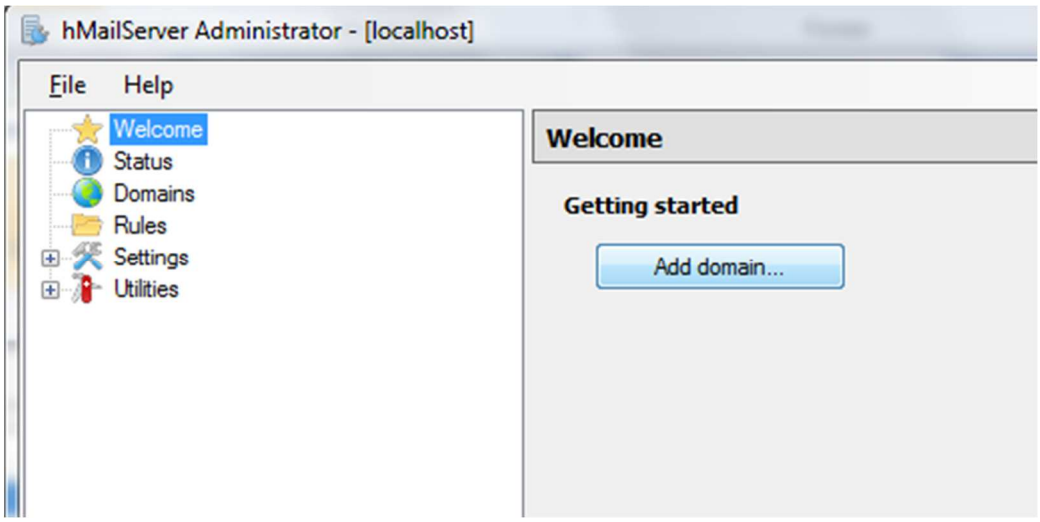


Press the Connect button and enter the password entered during the installation phase:



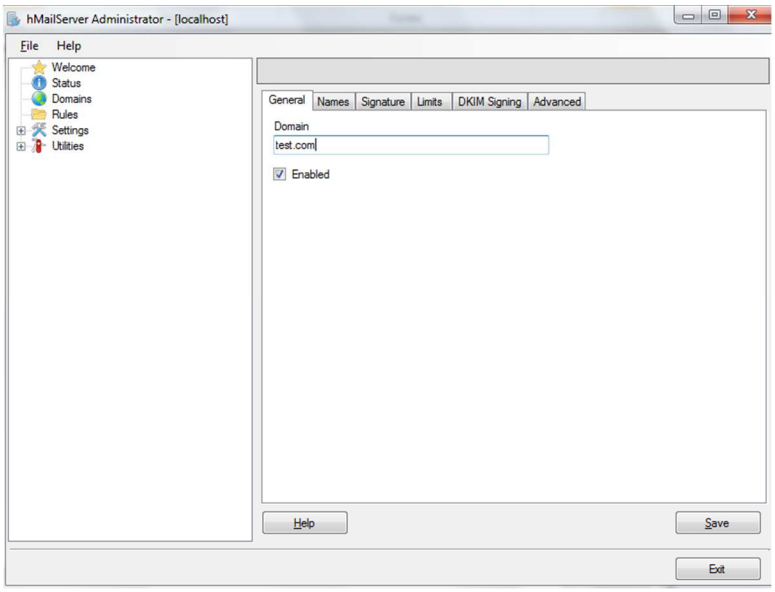
Now you have access to all the hMailServer parameters:

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On the left there is a tree with all the sections to be configured, here reference to a minimum configuration will be made.

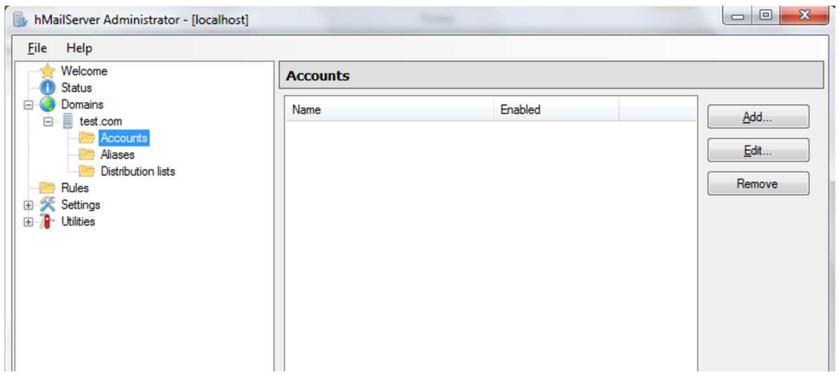
Click on "Add domain ...”



Enter the domain name of your organization for the email accounts that you are going to create, in the example "test.com" means that the emails created will be of the utente@test.com type.

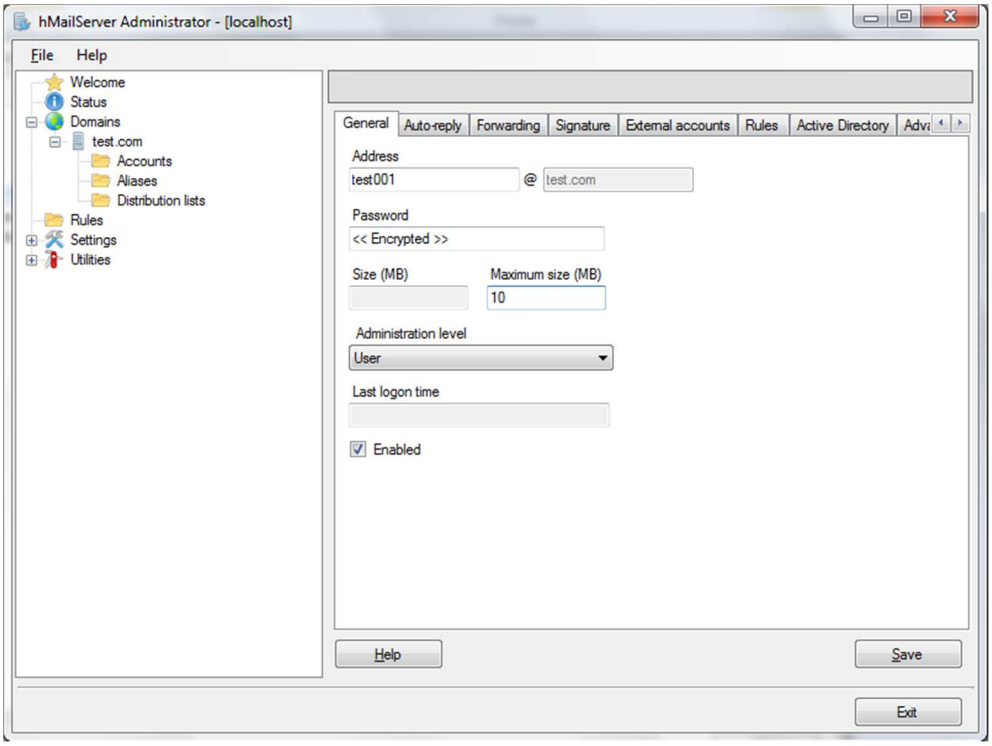
Now create the mail accounts:

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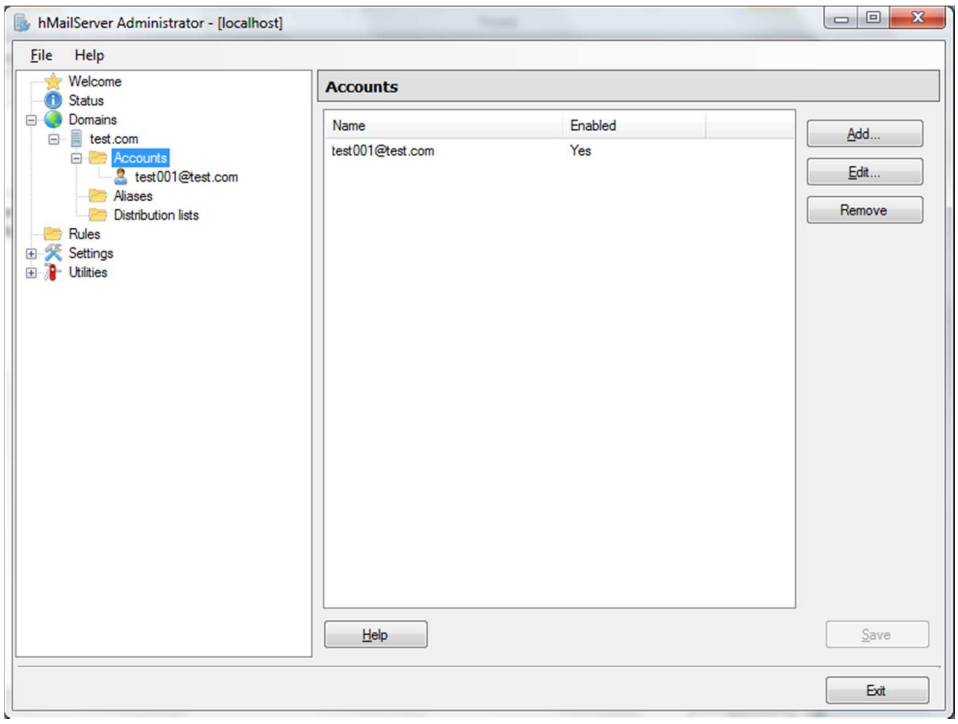
Click on "Add ...".

At this point, enter the name of the first mail account (in the example test001@test.com), reserve 10MB of data for the account and set a password (***VERY important to set a complex password of at least 8 alphanumeric characters!***).

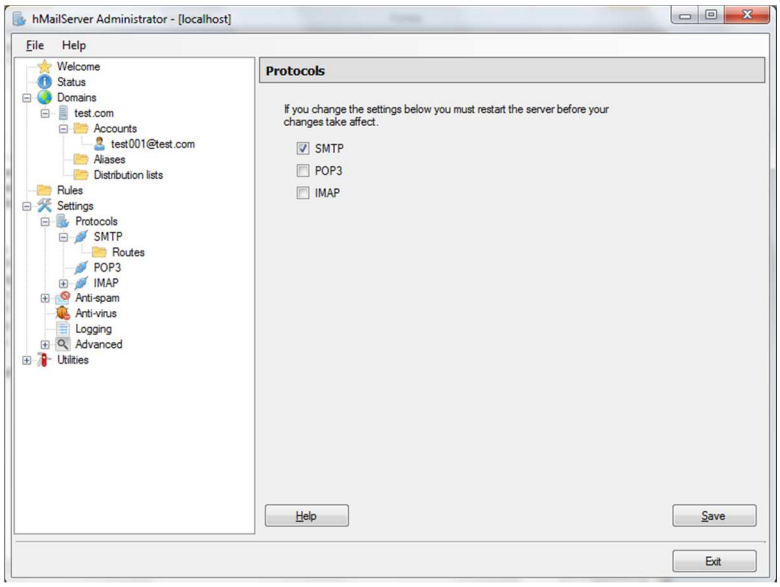


The first account is ready, confirm with "Save".

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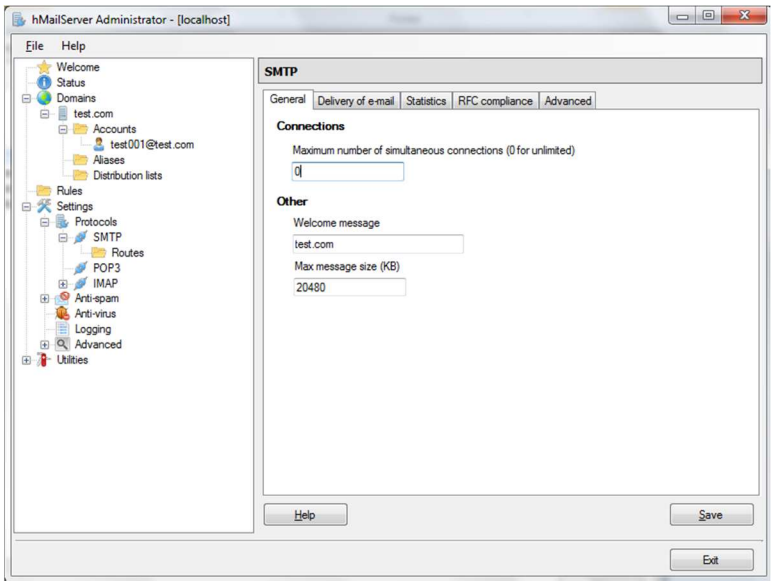


Now configure the SMTP protocol (the only one required, you can eliminate the POP3 and IMAP protocols):

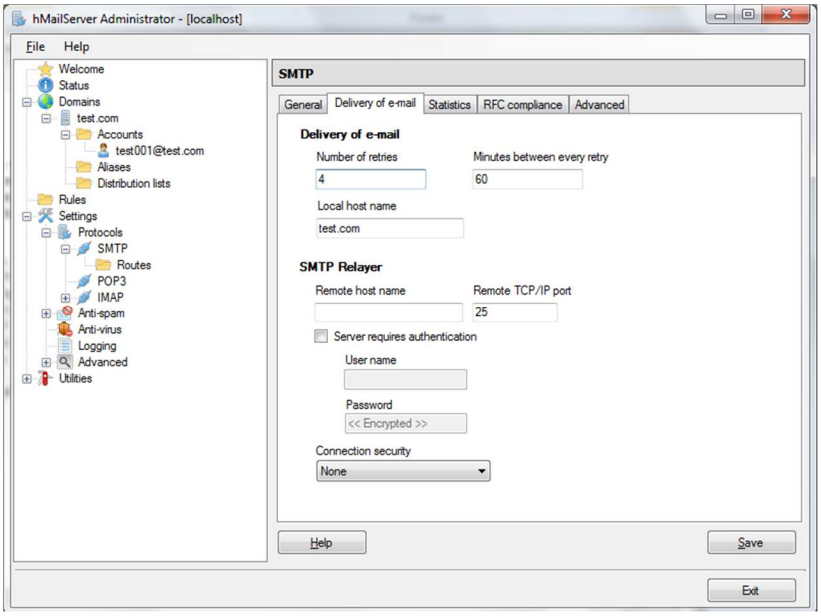


Set the welcome message:

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And the local host name:



6. MAKING THE SMTP SERVER VISIBLE FROM THE INTERNET

You need to make port 25 visible from the outside and "turn it" onto the IP of the PC where hMailServer is installed.

To do this you need:

1) A static public IP or DDNS service
2) A routing rule in the Adsl/xDsl modem

For point 1) if it is a Business connection, the static public IP is active (for confirmation, contact your internet provider).

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To know your public static IP connect to the ADSL/xDSL modem and retrieve the IP address, for example on an Alice modem:



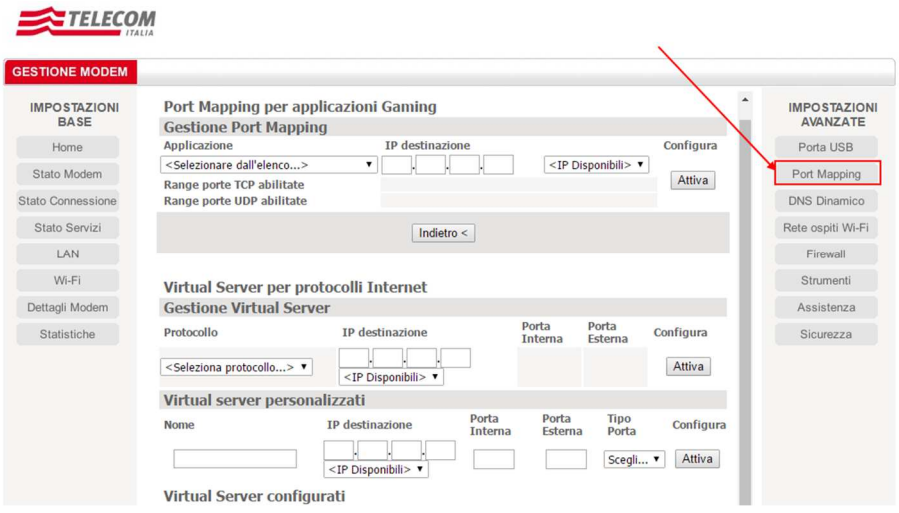
If the static IP is not available, it is necessary to subscribe to a Dynamic DNS service, the most famous is the following:
www.dyn.com

There are also free services like:
http://www.noip.com/

For point 2), the rule is:

INTERNET LOCAL
Port 25 → Port 25 PC IP

In Alice modems this rule is configurable in the "Port Mapping" section:



Then insert the customized Virtual server, in our example:

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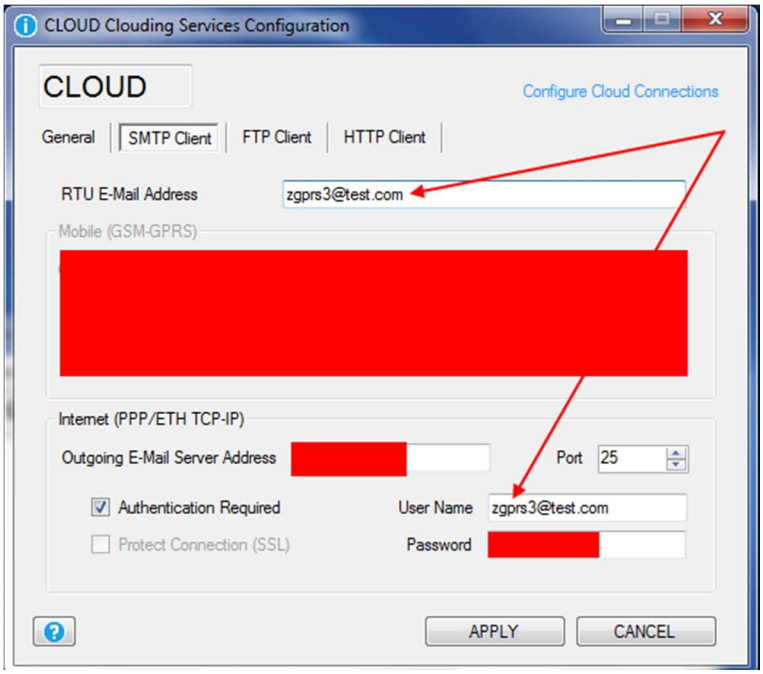
SMTPZGPRS3	192.168.1.50	ALL	25	25	Attivo	Modifica

7. CONFIGURING YOUR ACCOUNT ON SEAL

Let's see how to configure SEAL for sending emails using the example account just configured:

Click on the CLOUD icon:

Enter the account address you just created:



Which coincides with the User Name.

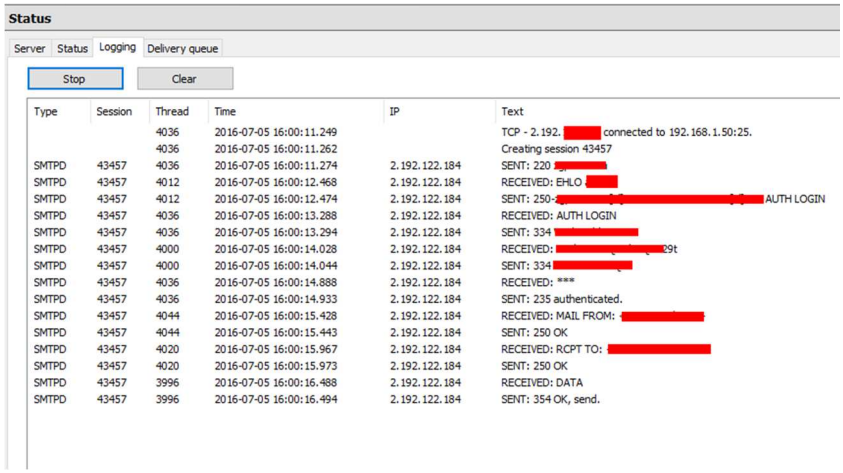
The email server address is given by the public IP of the ADSL/xDSL connection.

8. DEBUGGING

hMailServer allows to analyse the incoming traffic and verify which RTU connections are in progress:

Select Status in the maintenance tool and press "Start" in the logging section:

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It is therefore possible to analyse any server error responses.

9. FURTHER INFORMATION

It is possible to consult an updated online guide (in English) at the following address:

https://www.hmailserver.com/docs

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