D-RATS TRAINING PART II

with
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D-RATS Training Syllabus

- Installation & Configuration
- D-RATS Part I
  1. Chat & Files
- D-RATS Part II
  1. Messages
- D-RATS Part III
  1. Map
- D-RATS Part IV
  1. RF Segment With D-STAR Radios
  2. Trouble Shooting
  3. Resources

D-RATS Training – Part II

OVERVIEW

MESSAGES CONFIGURATION
MESSAGES

D-RATS Training
Configuration for emails

Outgoing Emails

It is strongly suggested that you establish a separate account (e.g. gmail or comcast.net) to be used for all D-RATS emails. Note: If you use a separate **gmail** account, you will also need to set that particular account to use a "Lesser secure app"

- For Lesser secure app, you must "Manage your Account" for your particular gmail address and go to "Security issues found"

- Set "Third-party access" and Turn Off Lesser secure app access

- Don't make the Lesser secure app access for your primary gmail account, only the one you use for D-RATS

D-RATS Training
Configuration for emails

Network

Outgoing Email
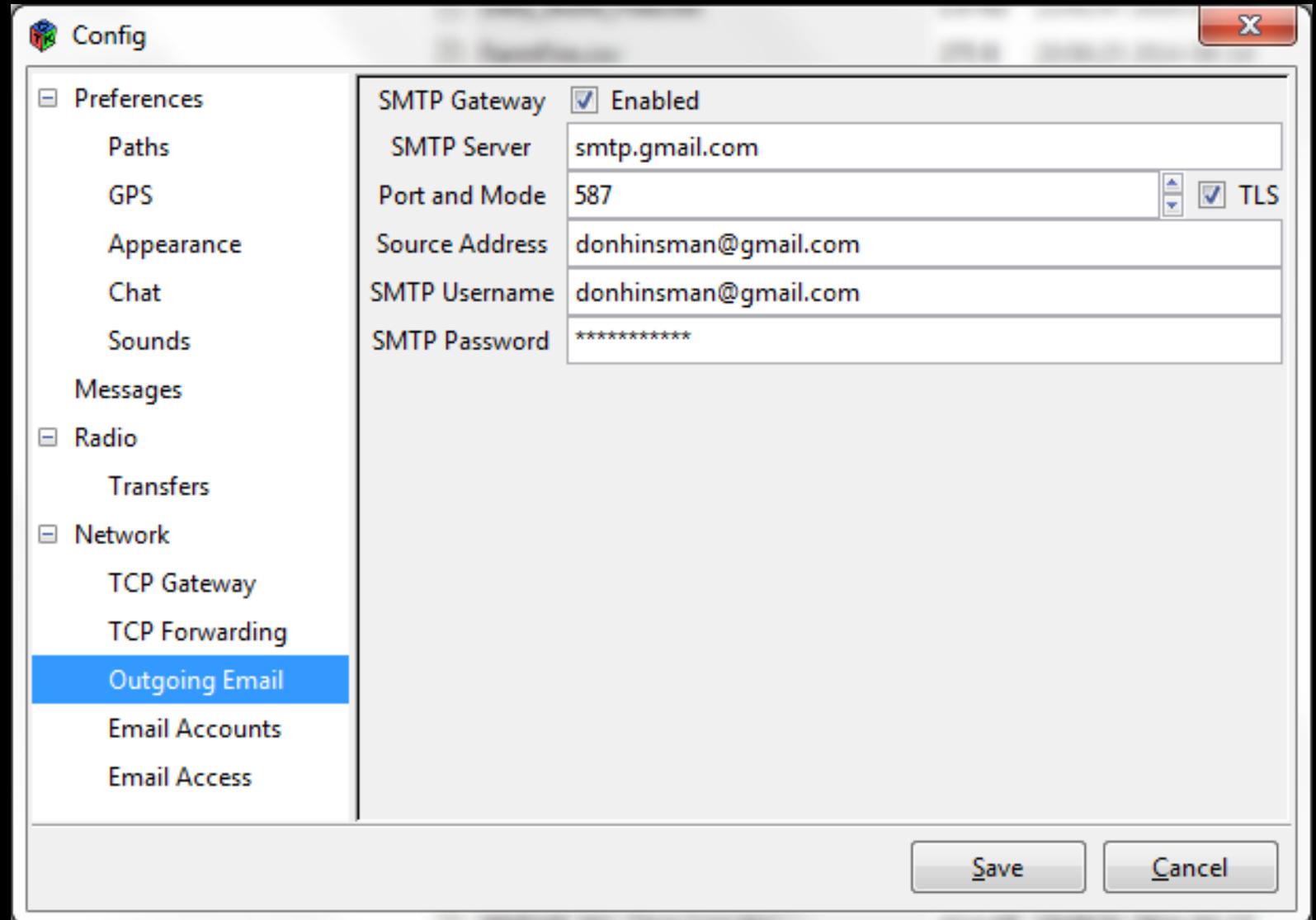
D-RATS Training
Configuration for emails

The Outgoing Email options are:

SMTP Server: Address of the remote SMTP server to send outgoing email (i.e smtp.gmail.com)

Port and Mode: Port that the remote SMTP server expects to receive email on (i.e gmail uses port 587 and TLS enabled and Comcast uses the same)

Source address: Default email address to use on outgoing email

SMTP Username: User name to log into the remote SMTP server

SMTP Password: Password to log into the remote SMTP server

Gateway: If enabled, it allows email received from D-RATS to be sent to the internet

D-RATS Training
Configuration for emails

Network

Email Accounts

Configuration for emails

Email Accounts options are:

Server: Address of remote POP server to receive incoming email (i.e pop.gmail.com)

Username: User name to receive incoming email

Password: Password to receive incoming email

Poll Interval: Frequency (in minutes) to see if new email is waiting on the remote POP server

Port: Set to the port that the remote POP server expects to receive email on (i.e pop.gmail.com uses port 995 and Comcast uses the same)

Use SSL: If enabled, connect to the remote POP server with SSL

Action: Treat the email as a Form or as a Chat message (default = Form)

Enabled: Enable or disable receiving incoming mail

D-RATS Training
Configuration for emails

To Add an Email Account
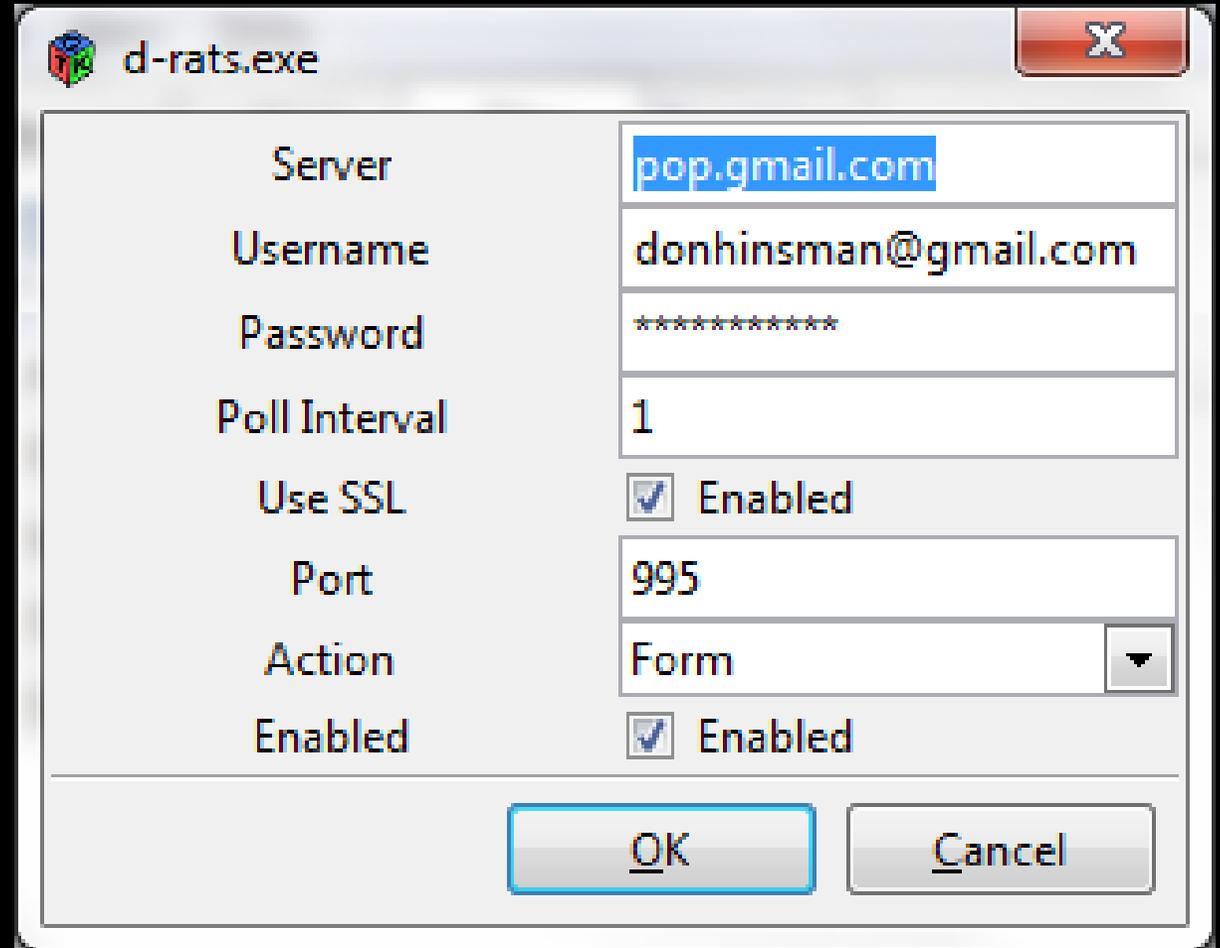
d-rats.exe

Server	pop.gmail.com
Username	donhinsman@gmail.com
Password	***********
Poll Interval	1
Use SSL	☑ Enabled
Port	995
Action	Form
Enabled	☑ Enabled

OK   Cancel

D-RATS Training
Configuration for emails

Email Access
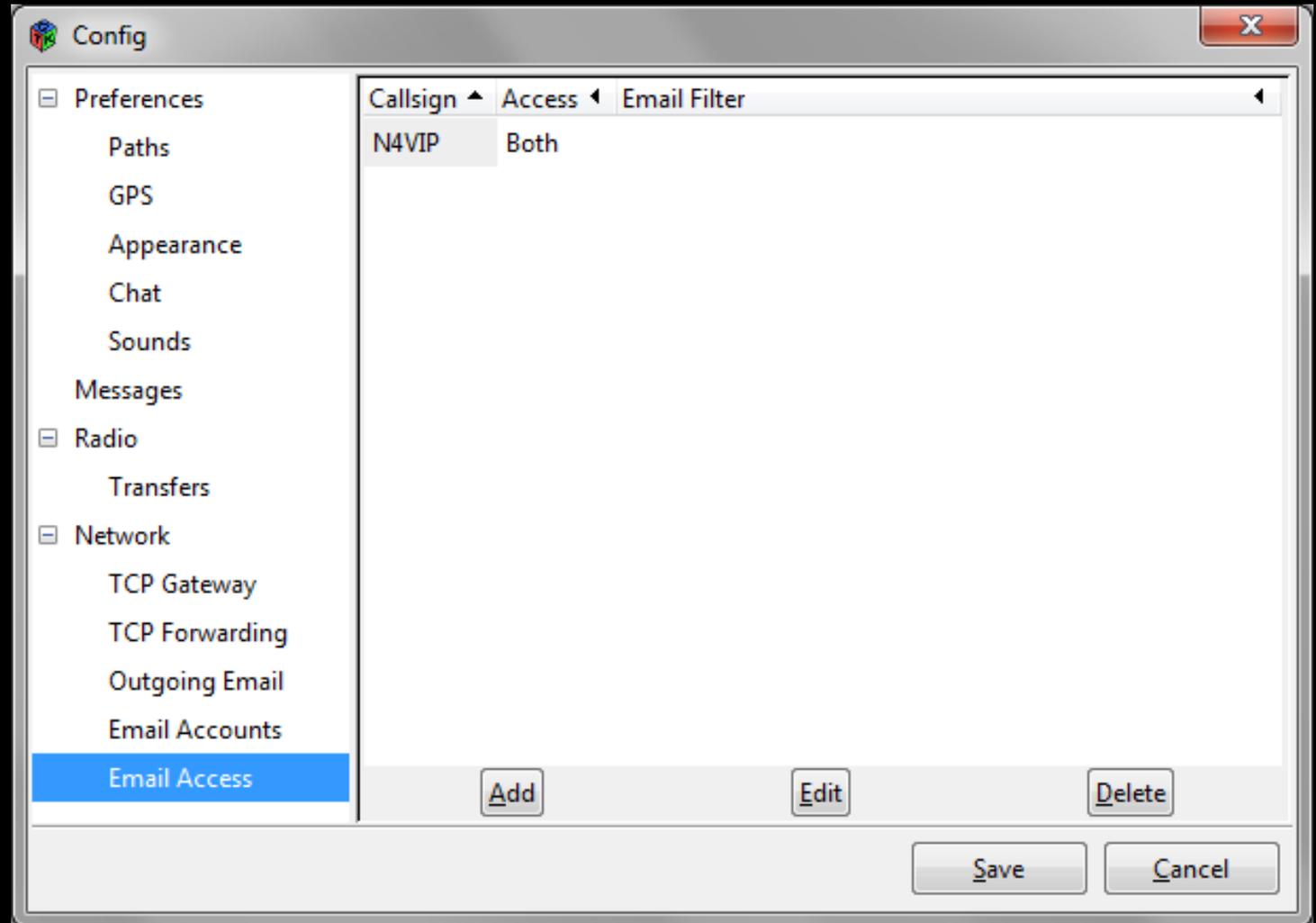
Configuration for emails

The Email Access options are:

• Callsign: Enter the callsign of a D-RATS
user that you wish to process email for

• Access: Determine how email will be
    handled for the nominated callsign, e.g.
    None, Both, Incoming, or Outgoing.

• Email filter: Looks for a string matching
    this field in the message, so that it can
    direct the message to the nominated
    callsign
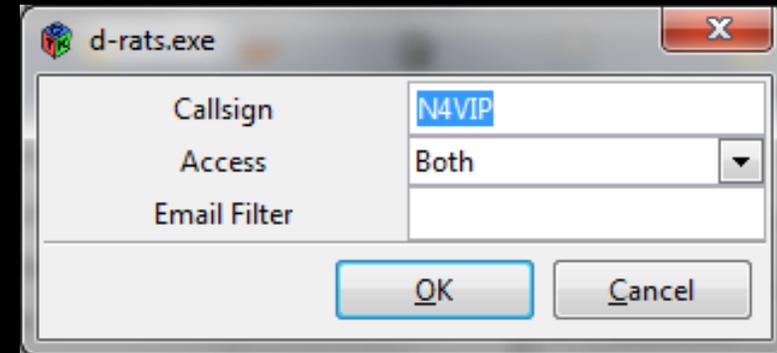
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MESSAGES

Where all pre-formatted messages are sent and received

Looks like and functions as e-mail client software

User can exchange pre-formatted messages with:

1. **Other D-RATS users;**
2. **Internet e-mail servers; and**
3. **WinLink 2000 System (WL2K) RMS stations or CMS servers**
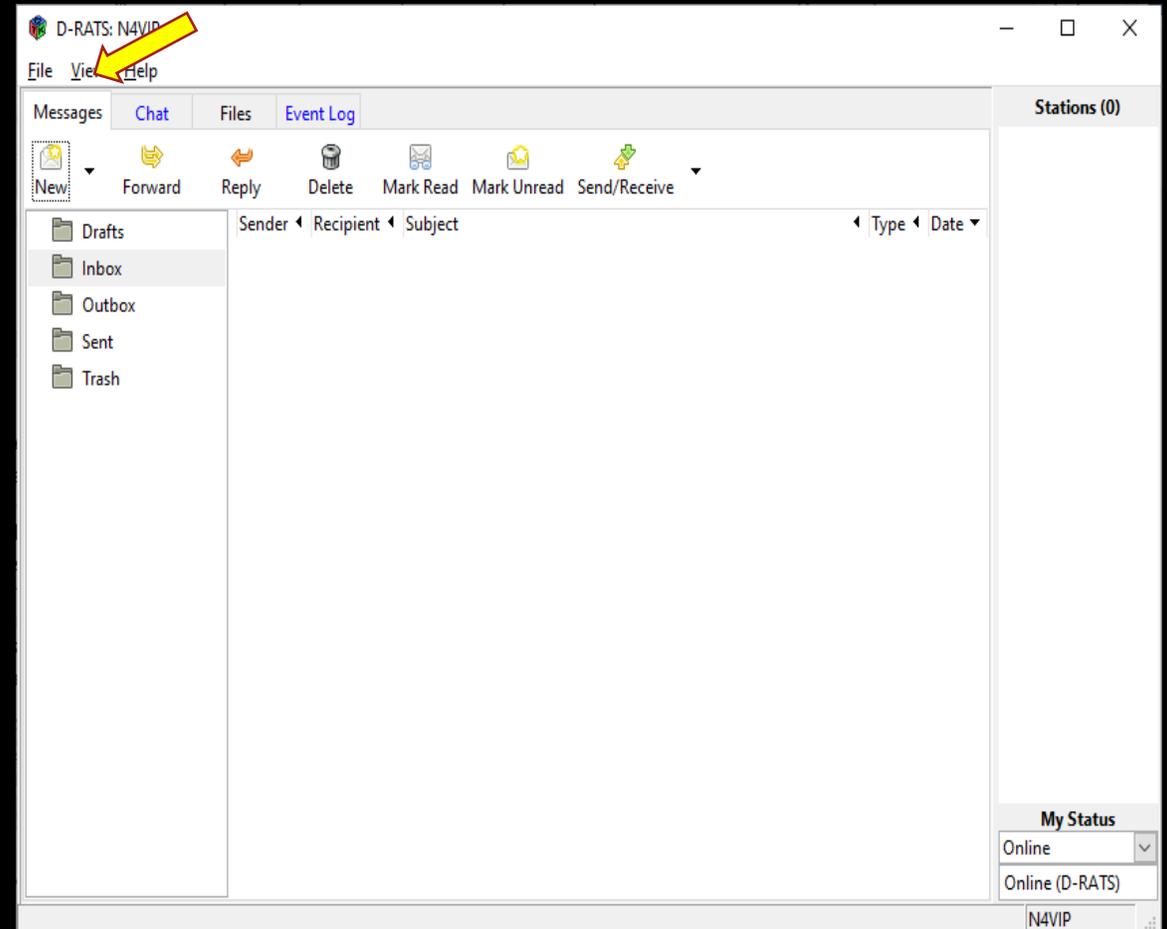
D-RATS Training – Part II

MESSAGES

To send and receive internet e-mail, you must enter incoming and outgoing **server information** in the Preferences window. D-RATS only sends and receives plain text and does not support HTML based e-mail. For this reason, you should set up an e-mail account just for use with D-RATS, e.g. donhinsman@gmail.com or dhDRATS@comcast.net.

D-RATS Training – Part II

MESSAGES

1. **Other D-RATS users**

For other D-RATS users using New>memo (Informal Memo form) who <u>are online!</u>

- Sends a memo to another <u>online Station</u>

Fill in Form with final destination Call sign

Note: One can: 1) Send, 2) Save (goes into the Draft box), 3) Send via, or 4) Print (shows on screen)

Remember, you don't need to be a ham to use D-RATS to send a memo
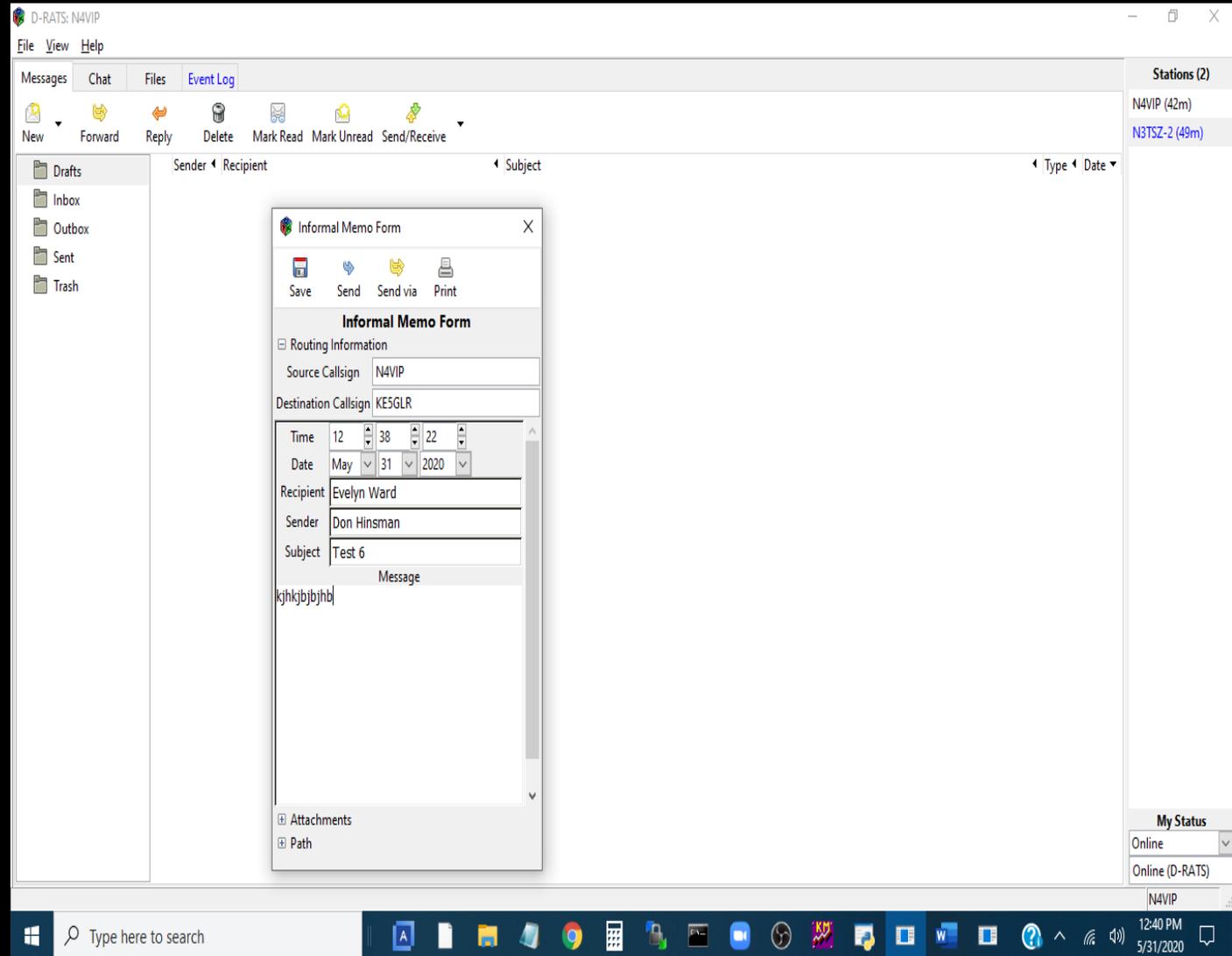
D-RATS Training – Part II

MESSAGES

1. **Other D-RATS users**

Use "Send" and memo will stay in the Outbox until KE5GLR is online
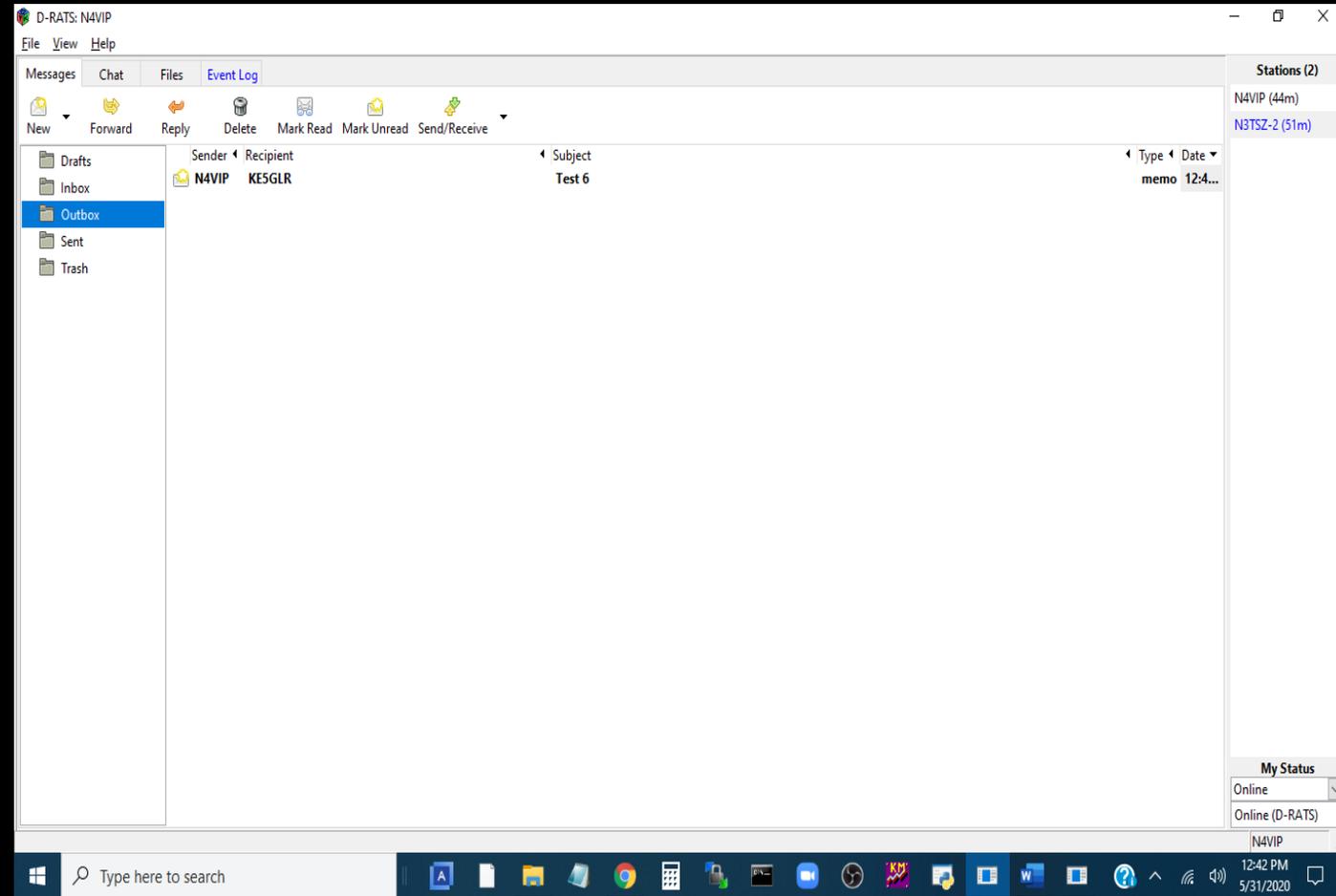
D-RATS Training – Part II
MESSAGES

Send via

Note: Send via calls up the Enter destination window

Emails sent by "Send via" will first go to the Destination station (e.g. W5SF) via the designated port. The designated port must have already identified the sender station in Preferences>Email access to enable reception of the email. If the "messages" is an email, the destination station will see the "message" in his/her Outbox and can then send via his/her internet server. If the Port wasn't to a RATflector (via the internet) but rather a radio (a connected D-STAR), then Send via allows a bridge by the RF segment over areas with internet outage.
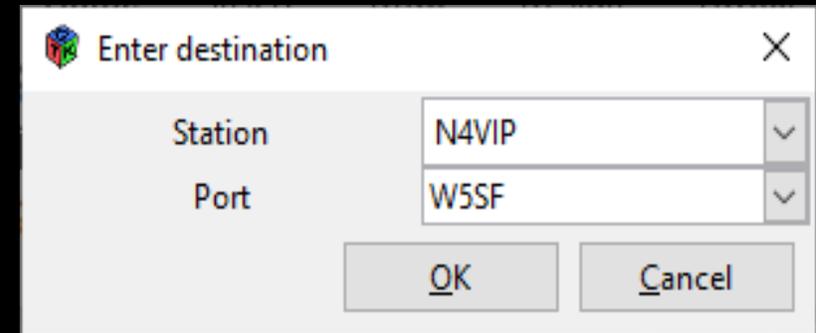
D-RATS Training – Part II

MESSAGES

2. Internet e-mail servers

Internet e-mail address using New>email (Email Message)

- Sends an email to the SMTP server defined in your Preferences>Network>Outgoing Email (e.g. smtp.gmail.com}

Note: you can only have one Outgoing Email server defined but many Preferences>Network>Email Accounts (e.g. pop.gmail.com)

Fill in Form with final destination email address

D-RATS Training – Part II

MESSAGES

2. Internet e-mail servers

- Use "Send" and appears in the Outbox and then disappears (has been sent)
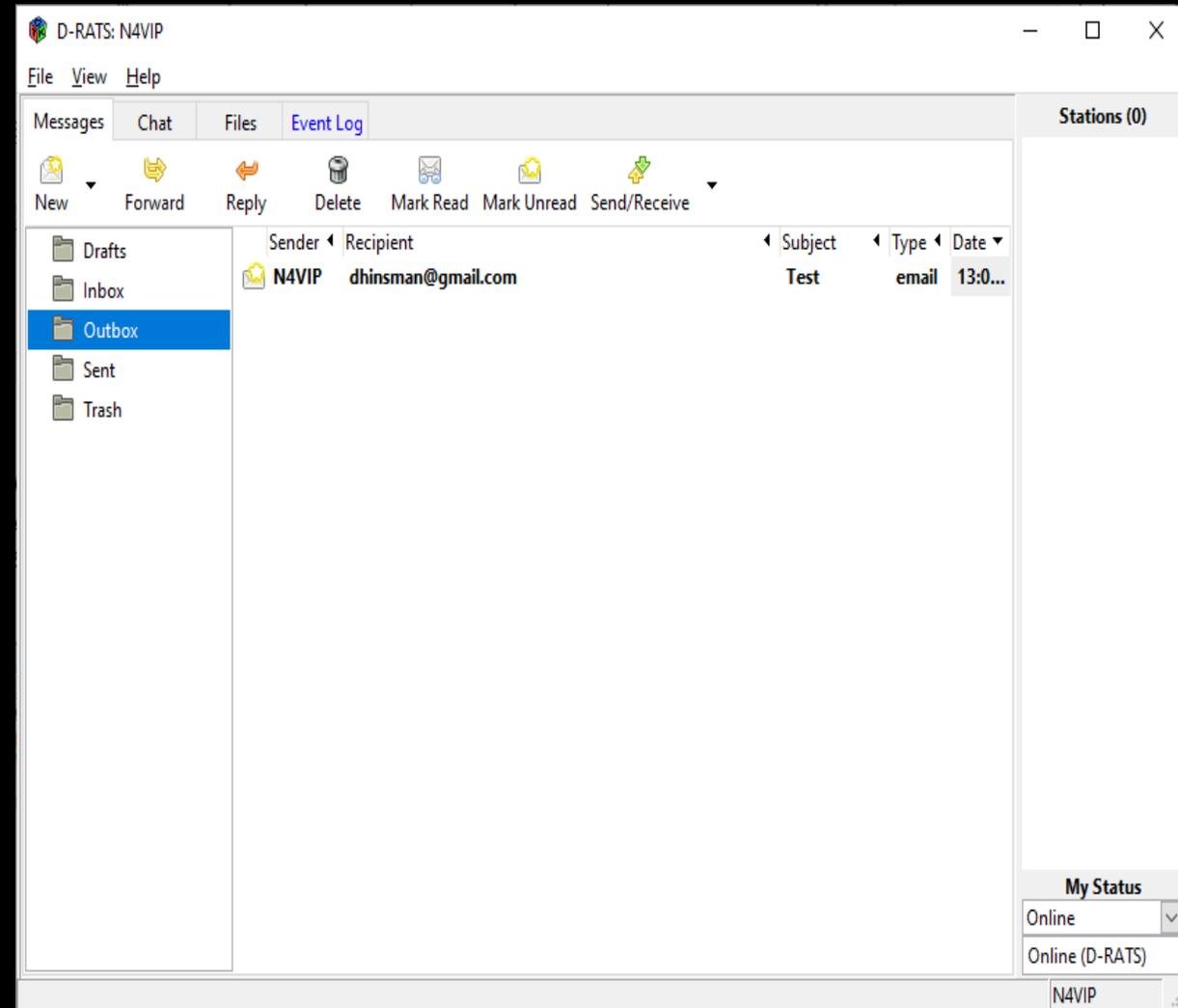
D-RATS Training – Part II

MESSAGES

2. Internet e-mail servers

And can be seen in the Sent box
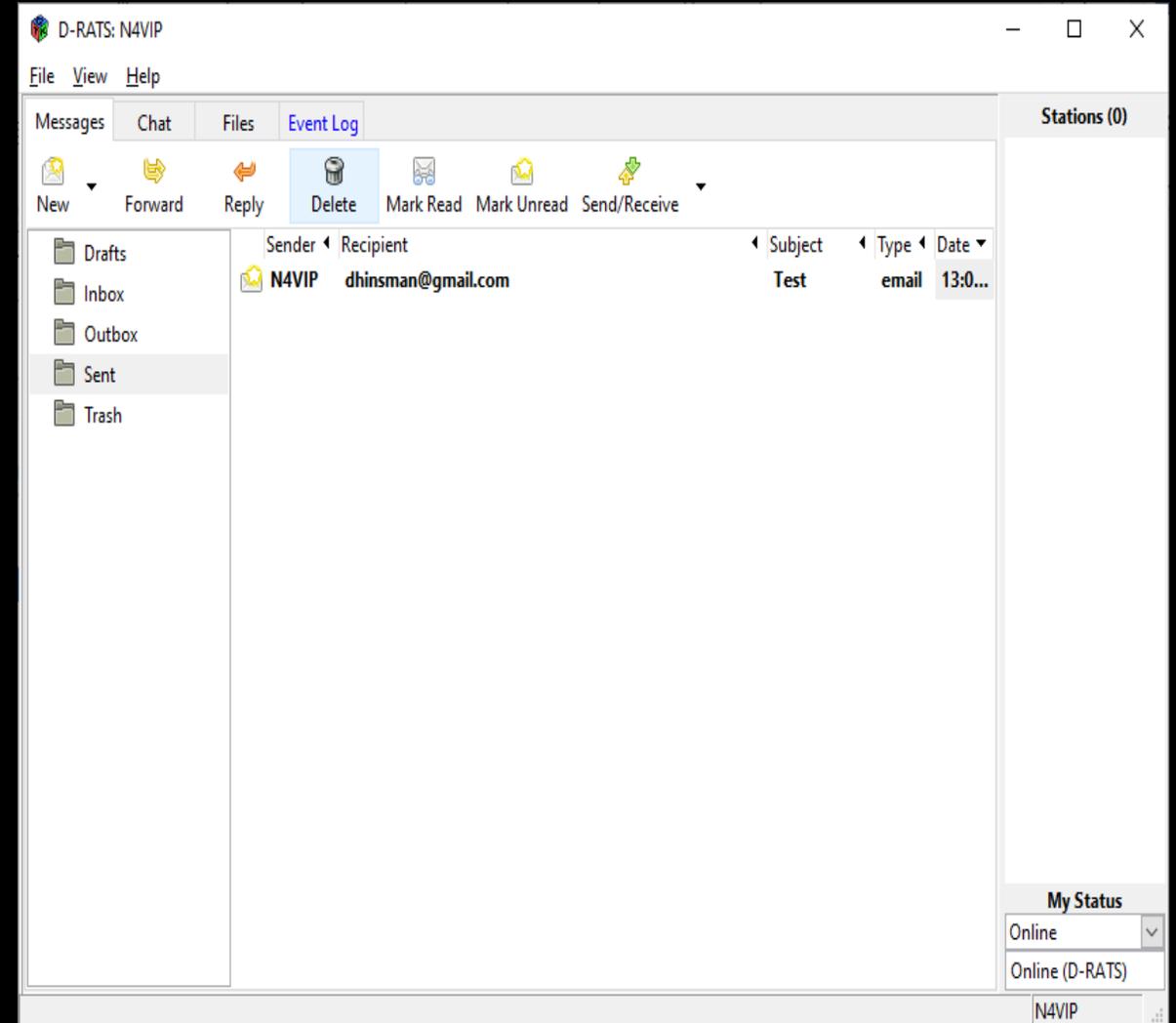
D-RATS Training – Part II

MESSAGES

3. WinLink 2000 System (WL2K) RMS stations or CMS servers

WinLink 2000 System (WL2K) RMS stations or CMS servers using New>email (Email Message)

- Sends an email to the WL2K server defined in your Preferences>Messages including the Password for your Callsign but the recipient can be a normal email address.
  - Note: You must have a registered WL2K email address, e.g. N4VIP@winlink.org
  - So you must be a ham

D-RATS Training – Part II

MESSAGES

3. WinLink 2000 System (WL2K)

RMS stations or CMS servers

In order for D-RATS to know this is a WL2K email and not a normal email, you must preface the email address with "WL2K:"

note the colon.

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3. WinLink 2000 System (WL2K)

Winlink 2000 (WL2K) is a worldwide system of volunteer sysops, radio stations and network assets supporting e-mail by radio, with non-commercial links to internet e-mail. The system provides valuable service to **emergency communicators** and to licensed radio operators without access to the internet. You must hold an Amateur Radio license or be a member of a supported organization or agency to use the WL2K system. Usage and software is free for all who qualify.

WinLink Express is a software program provided by WinLink. It is a simple messaging client program for accessing and exchanging messages with Radio Message Server (RMS) sites. WinLink Express is installed on all Central Sites computers.

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3. WinLink 2000 System (WL2K)

There are many ways to access emails through a RMS site, for example:

Telenet (direct through Internet);
Packet Winlink (using the VHF radio segment); and
Winmor Winlink (using HF radio segment).

During an emergency, it is also possible to connect directly to another amateur radio station if they are using WinLink Express in a mode called Peer to Peer (P2P).

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3. Win Link 2000 System (WL2K)

This is the WinLink Express Window for N4VIP using Telnet WL2K.

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OVERVIEW

MESSAGES CONFIGURATION
MESSAGES

End
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