



**JetTrac E-mail[™]
Installation Guide
User Guide**

**Version 2.5
June 16, 2000**

Version History

July 17, 1999	1.0	Initial release of E-mailTrac written in C. Uses third party SMTP program to provide communication with SMTP server.
February 8, 2000	1.1	Re-wrote E-mailTrac in Java and renamed JetTrac E-mail. Does SMTP internally.
February 25, 2000	2.1	-Fixes some issues with attachments and body appearing together. -Added multi-session capability to send a stream of separate E- mails from a batched FNF. -Attachments not required. -Body of message can be a field.
March 22, 2000	2.3	-Attaches only the filename, not the path also. -Improved Multi-session functionality - no longer terminates the batch on a single error
March 23, 2000	2.4	-Complete Multi-Session functionality - skips documents that have no E-mail address field. -Deletes temporary files on exit.
May 16, 2000	2.5	-Added ability to use external mailing list files. -Added the option to turn off multiple SMTP sessions.

JetTrac E-mail™ Installation Guide and User Guide June 16, 2000

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1.0 INTRODUCTION

1.1 Purpose

This document is a guide to installing, configuring and using the JetTrac E-mail™ Custom Agent. This document includes detailed instructions for installation and configuration in the JetForm Central Job Management Database.

1.2 Background

JetTrac E-mail™ provides communication between JetForm Central and end users to send e-mail to Internet e-mail addresses.

JetTrac E-mail™ is written in Java so it will run on any platform that supports Java, including, among others, Windows, UNIX, and AS/400. See the *JetTrac E-mail Installation and User Guide for AS/400* for help on AS/400 installation and configuration.

For additional information on Java and JetTrac Java products, see the document *JetTrac Java and Licensing Considerations* available from the Pro Technology website, www.protechinc.com.

1.3 Organization of this Document

Section 1: Introduction

Section 2: Installation and Configuration Procedures for JetTrac E-mail™

Section 3: Running JetTrac E-mail™

1.4 Technical Support

If you need assistance in installing and configuring JetTrac E-mail™, call Pro Technology Automation, Inc. at 805-527-1248 or e-mail us at support@protechinc.com. Please note that the JetTrac E-mail™ license fee does not cover configuration services and technical support so there may be an additional charge. Please ensure you read these instructions carefully before calling for technical support.

2.0 INSTALLATION AND CONFIGURATION OF JETTRAC E-MAIL™

2.1 Installing Java

JetTrac E-mail is a Java program. This requires that the Java Runtime Environment be installed before JetTrac E-mail will run.

For Windows 95/98/NT, install JRE 1.3 (Newest as of this writing, any newer version will also work) for Windows. You can download this at:

<http://java.sun.com/j2se/1.3/jre/download-windows.html>
<http://www.protechinc.com/storage/jre130win32.exe>

For AS/400 platforms, Java is an integral part of the OS/400, release 4.3 and above. If you are running an older version of OS/400, please contact your AS/400 support to find out how to run Java applications.

For Unix platforms, JRE may already be installed as part of the operating system. If it is not, contact the manufacturer of your server/workstation to find out where to download it.

For Sun Solaris 7, download JRE at:

<http://www.sun.com/solaris/jre>

For AIX, OS/2 or OS/400, download JRE at:

<http://www.ibm.com/java/jdk/>

For Digital Open VMS, Digital Unix 4.0x or Digital Windows NT Alpha, download JRE at:

<http://www.digital.com/java/download/>

For HP-UX, download 1.1.7 HP-UX 10.20 JRE at:

<http://www.hp.com/go/java>

2.2 Installing JetTrac E-mail

After the JRE is installed, you are ready to proceed to the JetTrac E-mail files themselves. You will receive an installation EXE file. Simply double click on the EXE file to unzip it and follow the instructions. The following files will be installed:

<u>Folder name</u>	<u>Filename</u>	<u>Description</u>
C:\jfsrvr\CustomAgents\JetTracEmail	RunJetTracEmail.bat	Batch file for testing
C:\jfsrvr\CustomAgents\JetTracEmail	JetTracEmail.jar	JetTrac E-mail executable program file
C:\jfsrvr\CustomAgents\JetTracEmail	JetTracEmail.ini	JetTrac E-mail INI file
C:\jfsrvr\CustomAgents\JetTracEmail	Email.lic	JetTrac E-mail license file for your computer
C:\jfsrvr\CustomAgents\JetTracEmail	JetTracEmailUserGuide.pdf	– this document

2.3 Configuring the JetTracE-mail ini files

There are two main steps to complete the configuration of JetTrac E-mail. The first is to set up the JTE-mail.ini file. The second is to set up the tasks and job steps in the Job Management Database in JetForm Control to call JetTrac E-mail™ at the correct time.

There is one ini file for JetTrac E-mail. Here is a sample:

```
emailtoname
emailtoaddr
#Invoice Confirmation
emailhumanname
emailfromaddress
emailbody
209.78.123.22
dan
startrec
N
~~
Line 1 - Plain text Name of receiver
Line 2 - Receiver's E-mail address(s)
Line 3 - Subject
Line 4 - Plain text Name of Sender
Line 5 - Sender's E-mail address
Line 6 - Body text of e-mail
Line 7 - SMTP server address
Line 8 - Senders hostname
Line 9 - First field of each document in Field Nominated File
Line 10 - N for multiple SMTP sessions, Y for single SMTP session with
         first address encountered
```

The lines above the double-tilde (~~) are values that JetTrac E-mail reads. The rest of the lines are internal documentation to prompt you for what goes on each line. The double-tilde (~~) serves to separate the code lines from the explanations.

In Lines 1-6, a single word tells JetTrac E-mail to look for the value in the input field-nominted file under the field name specified. This allows you to specify different origination and destination information for each and every document. If you want to specify a static value for every document, start the line with a # and then follow it

immediately with the information that you want to have for every document. In this case, even if there is a field in the field-nominated file for the information, JetTrac E-mail will ignore it.

In line 2, to specify more than one outgoing E-mail address, simply enter the subsequent addresses, separated by commas. Do the same in the field of the field-nominated file if going that route. If you want to specify an external list file, enter a #followed immediately by a path and filename. This external list file has the addresses all on separate lines. Each address can have a name attached to it if desired, by adding a pipe character “|” and then the name on each line after the address. The name is not required.

In line 6, to specify an external file, enter #@ and then the filename of the file you wish to include as the body of the E-mail. Otherwise use a static string, or the contents of a field.

2.5 The JetTrac E-mail Command Line

JetTrac E-mail is a Java program and must be run from within the Java Runtime Environment. Refer to section 2.1 for more information on acquiring and installing Java. Assuming that you already have Java installed on your system, the format of the command line is:

```
java -jar [path to java.jar file] [input fnf] [attachment file] [ini file] [log file]
```

A sample is:

```
java -jar c:\jfsrvr\JTEmail.jar test.out c:\jfsrvr\report.pdf JTEmail.ini jfserver.log
```

Section 2.7 will instruct you how to implement this command line for use with JetForm Central.

2.6 The JetTrac E-mail License File

As with all JetTrac products, JetTrac E-mail is protected by the JetTrac License Manager system. This system locks JetTrac E-mail for use exclusively to one server or system in your organization. It works in this manner:

1. You run JetTrac SiteCode on your computer and generate a unique site code file for your system.
2. You send that site code file to Pro Technology either physically or through E-mail.
3. Pro Technology uses your site code file to generate a product license key file.
4. Pro Technology sends the product license key file back to you.
5. When JetTrac E-mail runs, it scans the system and compares the tokens it finds with the tokens found in the license key file, and if they match, it runs normally.

Refer to the document *JetTrac Java and Licensing Considerations* for further information.

2.7 Configuring the task in the Job Management Database

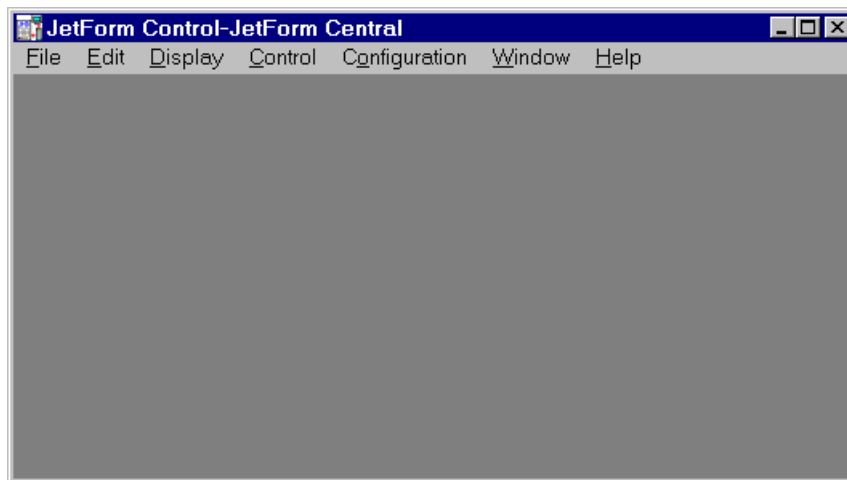
JetTrac E-mail will take several command-line arguments:

<Input Data File> <ini file> <log file>

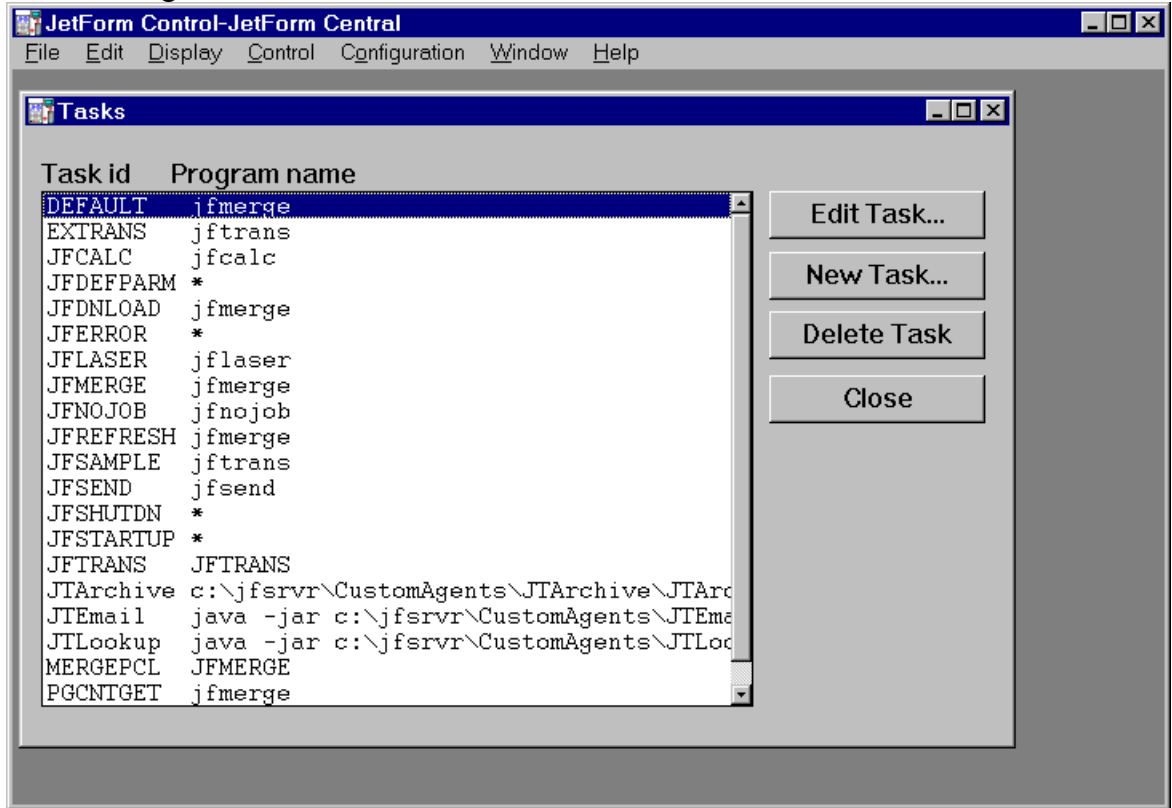
The INI file is the file with all the definitions as specified in the above Section. The log file is the fully qualified JetForm Central logfile name.

To add the JetTrac E-mail custom agent in JetForm Control for Windows platforms:

1. Start JetForm Control by clicking Start, Programs, JetForm Central, JetForm Control (may be slightly different for your installation). You will get the following screen:



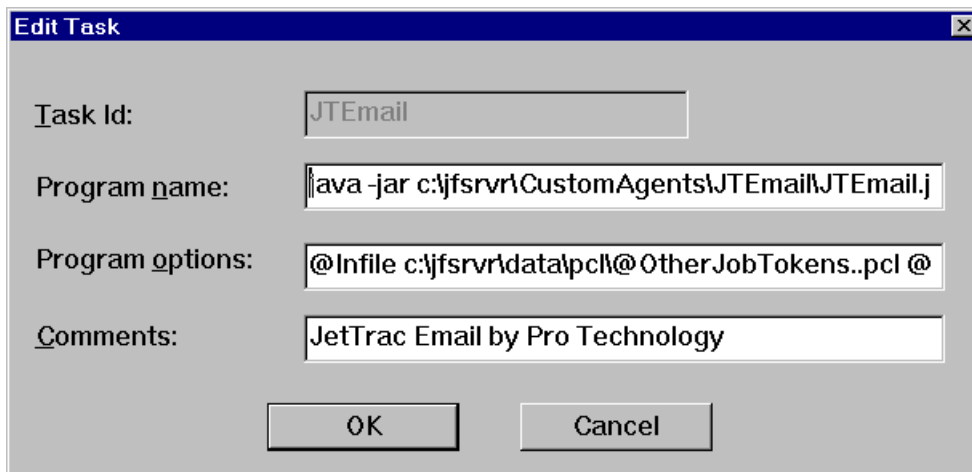
2. Add a new Task by clicking on File, Job Management Database, Tasks. You will get the following screen:



3. Create a new task by clicking New Task. Set up the Task Definition with the following information:

Task ID:	JTEmail
Program name:	java -jar c:\jfsrvr\CustomAgents\JTEmail\JTEmail.jar
Program options:	@Infile c:\jfsrvr\data\pcl\@OtherJobTokens.pcl @MDFName @LogFileName
Comment:	JetTrac E-mail Custom Agent by Pro Technology

It will look like this:



4. Click OK to save the Task Definition.
5. Close out of the Task Definition window.

2.8 Configuring the Job in the Job Management Database

1. Now you must create a job step that calls the JetTrac E-mail task. This would be the last one of the job steps in the complete job you are setting up (e.g. you would run the Transformation Agent First, then the Print Agent, then JetTrac E-mail). To set up a new job, from JetForm Control main screen click File, Job Management Database, Jobs, then New Job. Define the rest of the steps that as needed. Under most circumstances, JetTrac E-mail will be the last task in any JetForm Central job.
2. From the main screen of JetForm Control, click File, Job Management Database, Jobs. You will get a list of all jobs you have set up in JetForm Central. We will assume that you already have a job set up and you are adding the JetTrac E-mail task. Click on the Job that you want to add notification to, then click “New Step”. The New Job Step screen will appear.

The following are the fields that you need to fill in:

Task ID – from the drop down list, select JTE-mail

Input File – leave this as *

Output file – leave this as *

On Error – Select S to Stop the Job if there is an error in JetTrac E-mail

Form File – put the fully qualified name of the INI file

Preamble file – This should be *

Printer Name – leave it as *

Macro Number – leave it at 1

Load Flag – leave it at T

Comments – type in a description like “Sends Internet E-mail”

It will look like this:

Edit Job Step

Job name: EomValArchiveEP2

Task

Task id: JTEmail Add Task...

Input file: * Output file: * On error: \$

Form file: C:\jfsrvr\CustomAgents\JTEmail\EomvalJTEmail.ini

Preamble file: *

Printer

Printer name: * Add Printer...

Macro number: 1 Load flag: T

Comments: Sends Internet Email

OK Cancel

3. Close the job step window.
4. In the job definition window, select the JTE-mail step and make sure that it is the last step in the job by putting it at the bottom of the list with the up and down arrow buttons in the window.
5. Close all windows, get back to the main JetForm Control screen and update the Job Management Database by clicking on Control, Reload Job Management DB. When asked if you want to save changes to the Job Management Database, click Yes.

3.0 RUNNING JETTRAC E-MAIL™

3.1 Submitting transaction files to JetForm Central

To submit a transaction file to JetForm Central, you place a data file into the Collector Directory. There are a number of ways to do this depending on the platform that you are running JetForm Central. You can FTP the file, use the JetForm Print Processor, use Named Pipes or simply copy the file to the Collector Directory.

3.2 How JetTrac E-mail™ is triggered

As JetTrac E-mail is set up as one of the steps of a job, whenever a job is triggered that needs to use JetTrac E-mail, the processing happens automatically.

3.4 JetForm Central Log File

JetTrac E-mail™ conforms to all JetForm requirements as a Custom Agent. It writes a status to the log file and creates the JETFORM.RSP. Here is a sample entry in the log file for a successful run of JetTrac E-mail:

```
19991014121616 JetTrac E-mail : processing completed
991014 12:16:16 C:\JFSRVR\jfsrvr.exe: [400]--> returned [0] JetTrac E-mail : processing completed.
```

3.5 Batch Processing Output

When testing JetTrac E-mail with a batch process, you should see output that looks something like this:

```
JetTrac E-mail 2.5 - E-mail custom agent for JetForm Central
(c) 2000, Pro Technology Automation Incorporated, Simi Valley, CA
----- Initialization -----
    Input   file: Input.dat
    INI     file: JTEmail.ini
----- Processing -----
Sending email using 192.168.1.89 - dan
From: Dan Roth - Pro Technology Automation <Dan Roth >
To: <dan@protechinc.com >
Subject: This is the subject of the FNF file 9:37
Body: This is the email body
Attachment: Test.pdf
Connected to 192.168.1.15 89
    Sent connect, waiting for 220
    ->got 220 protechinc.mail ESMTP service ready [7] (MDaemon v2.7 SP4 R)
    Sent RSET, waiting for 250
    ->got 250 RSET? Well, OK.
    Sent HELO, waiting for 250
    ->got 250 protechinc.mail Hello dan, pleased to meet you
    Sent MAIL FROM:, waiting for 250
    ->got 250 <Dan Roth>, Sender accepted
    Sent RCPT TO:, waiting for 250
    ->got 250 <dan@protechinc.com>, Recipient ok
    Sent DATA, waiting for 354
    ->got 354 Enter mail, end with <CRLF>.<CRLF>
    ATTACH file: Test.pdf
    Sent finish, waiting for 250
    ->got 250 Ok, message saved
----- Processing Completed -----
```

JetTrac E-mail : processing completed, 1 messages sent, 1 messages processed

3.6 Issues to consider when implementing JetTrac Email

Here is a list of questions and issues that are important in implementing email integration with JetForm Central:

- a. Do you have access to an SMTP server from where JetForm Central is running?
- b. Do you have a batch of documents? If so, do you want to create a PDF file for each document so they can be emailed out individually? If so you may need JetTrac Route to split them out for you.
- c. In your batch of documents do you have some that need to be printed, fax or emailed? How can we tell which need to be emailed? JetTrac Route does this functionality.
- d. Where will you get the email addresses? If they are not in the data file, then JetTrac Lookup can be used to lookup the email address based on a key value like Vendor Number, Customer Number, etc.
- e. Do you want to attach a PDF file to the email or do you want to have all information in the body of the email?