

Introduction

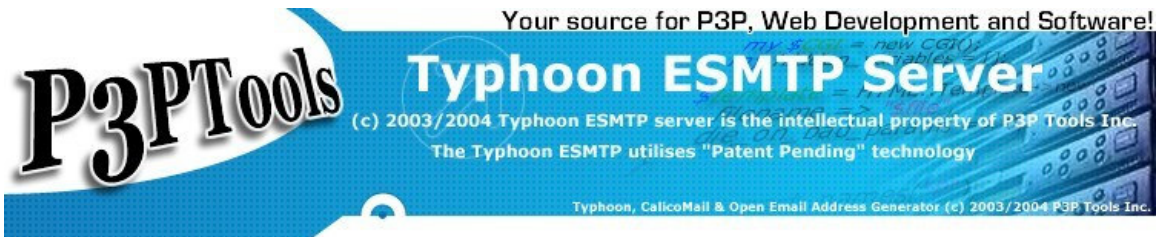
Welcome to the Typhoon mail server application. You now have in your hands the power to enable email addresses to have extended formats and perform a verification on them, which provides the user with extreme SPAM protection through Open and Closed email address formats.

In order to install and use Typhoon, there are no modifications needed to Outlook Express, Outlook or email clients. However, there are some quick configurations needed in order to have Typhoon work properly for you. This document will walk you through the directions for these configurations.

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If you are not prepared to be legally bound by this Non-Disclosure / Non-Compete then please do **NOT** install the Typhoon ESMTTP Server.



About The Typhoon Mail Server

Up until this point, anti-spam mechanisms have primarily relied upon either filters (which are at best a hit or miss) or blocking, which have proven to be most unpopular, especially if one happens to become entangled in a block listed IP range.

It became clear to P3P Tools that in order to effectively prevent unwanted email reaching a mailbox, the email address would have to both contain the current user identification information and also additional authentication information.

After some experimentation, an extension to the existing RFC822 email format of `someuser@somedomain.com` was derived. This extension format is still RFC-822 compliant. In addition, the extended addresses can travel through existing mail servers and can be processed for sending by existing email clients such as Outlook, Netscape and Eudora.

It is at this point that we must stop thinking of email addresses as single entities that will allow delivery of email, regardless of content of solicitation, and begin to think of email addresses in terms of being open or closed.

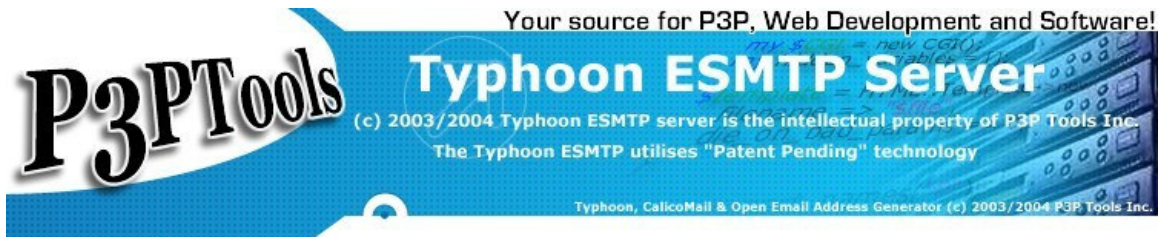
On a Calico'ed system, email addresses are divided into two modes:

1. closed: `someuser@somedomain.com`
2. open: `auth_code#someuser@somedomain.com`

Effectively, an email will not be delivered on a Typhoon mail server system unless the sender has obtained a predefined authorization code.

The authorization code will either have been verbally given to the sender by the recipient or it will appear as text next to the recipients email address (perhaps on a web page).

It is this technique that transforms an email mailbox from being an open box, where garbage can enter, into providing the recipient with a 'lock' that determines who may enter the mailbox.



The open email format is RFC compliant. P3P Tools Inc, along with CalicoMail.com, have developed an XML service for e-trailers to process form input and transform it from a closed email address and an authorization code into an extended open email address.

In conclusion, CalicoMail and Typhoon both point the way towards a Spam free Internet. Whilst enabling ISP's, software developers and Network providers total backwards compatibility.

End users wishing to send email can use one of several different OEAG (Open Email Address Generator) utilities available.

These currently are:

Windows Open Email Address Generator Utility Win98/Win XP/Win200x
<http://www.p3ptools.com/downloads/oeag/OEAG.exe>

*nix/BSD/Mac OSX Open Email Address Generator Utility for Perl 5.6.1+ onwards
<http://www.p3ptools.com/downloads/oeag/OEAG.tar.gz>

+ Free for personal and non-commercial use.

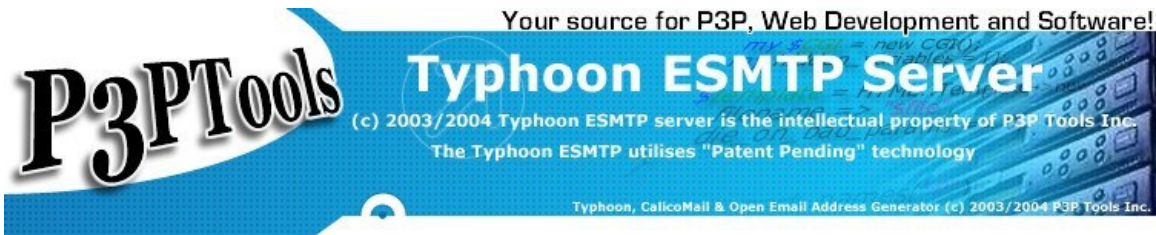
XML An XML web service for obtaining a Calico "Open Email Address"
is available for web developers and e-commerce operators.

Eventually it is hoped that OEAG capability will be built into email client programs.

System Requirements

Typhoon has not been tested on Windows NT. Typhoon was designed to work on the following systems:

- Windows 2000 Professional
- Server
- Advanced Server
- Windows 2003

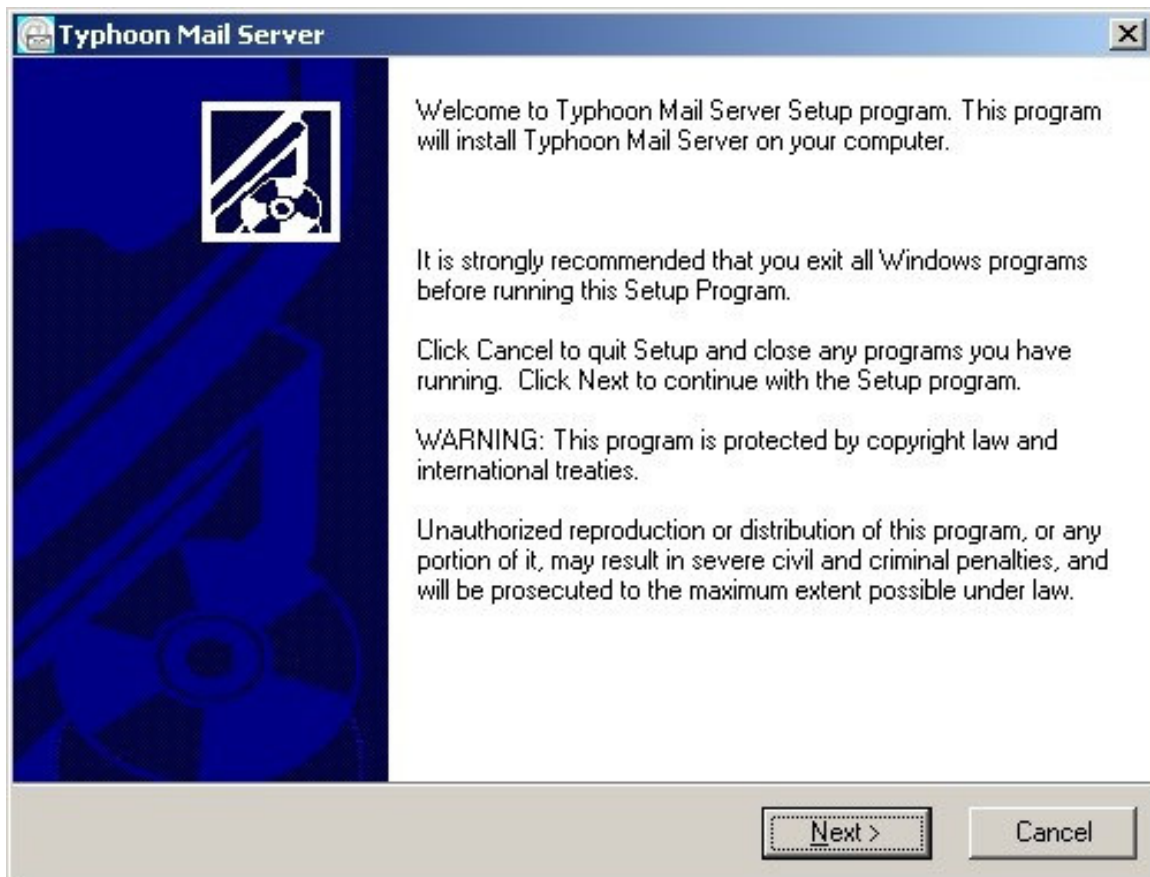


Install Instructions

Once you have downloaded the Typhoon application to your computer, or have received a copy on CD-ROM. Run the typhoon.exe application which is an installation program.

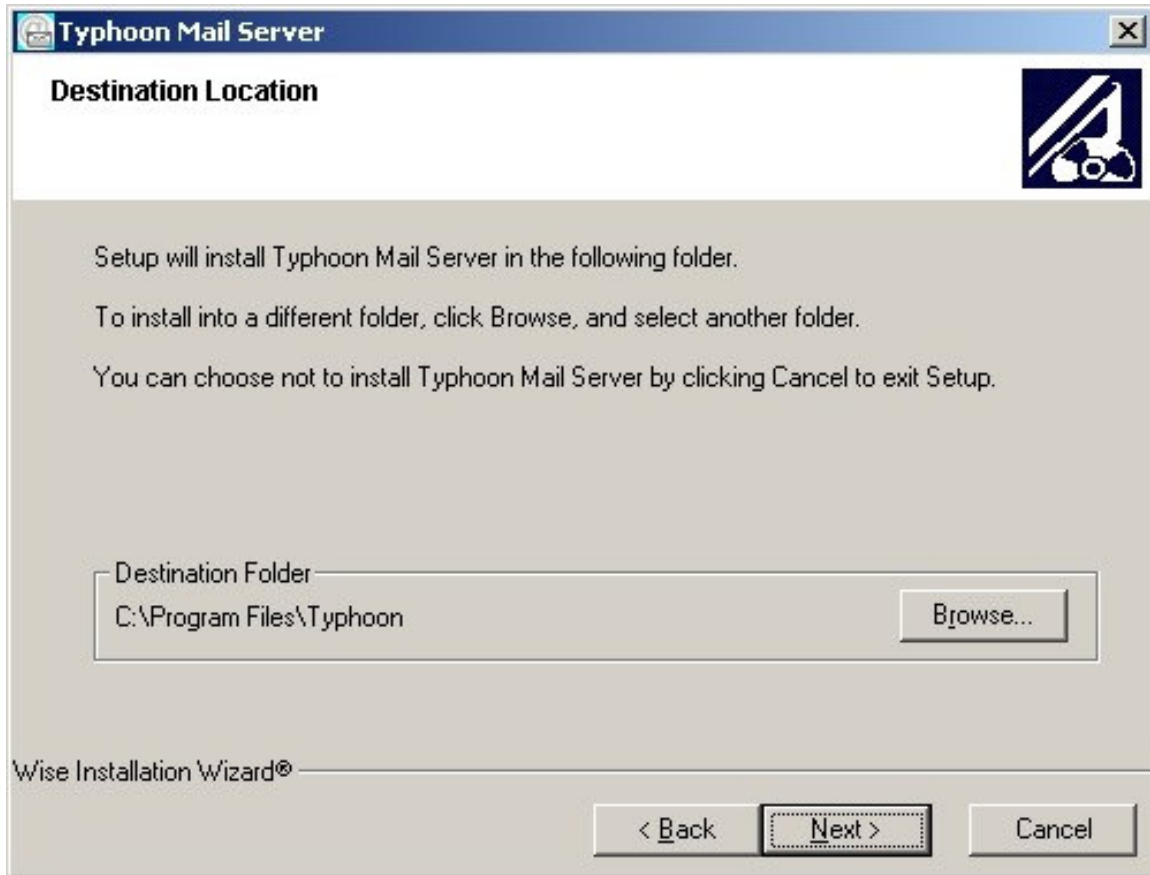
The server will install as a regular Windows™ application.

The Typhoon Mail Server Welcome screen will appear.



(Figure 1.)

On this screen, click the **Next** button at the bottom right of the window to continue to the Destination Location screen.



(Figure 2.)

- If you would like to install the Typhoon Mail Server in the destination folder listed on the screen, then click the **Next** button to continue with the installation.
- If you would like to change the destination folder listed on the screen to a different location, then click the **Browse** button, and select the drive and folder you would like the install to file to be installed in. Once you are satisfied with the installation location, click the Next button. The initial installation will take place.

Defining a Domain

In order to define the domain(s) that the server should mail exchange, you will need to follow these steps:

1. When you first initially open the Typhoon Mail Server program, the Service Status and Logs page is displayed (See Figure 5). You will see a menu bar on the top left side of the screen. Click the second



icon from the left that looks like this → Once you click this icon, the Systems Settings page opens. (See Figure 3)

2. On the Systems Settings screen, click the Add button on the bottom right corner of the screen. (The mouse cursor will default into the Domain Name field).
3. In the Domain Name field, enter in a valid DNS resolving domain or sub domain. (for example: "mail2.jslib.org")
4. Leave the Domain IP field blank.
5. Select the Server Name field and enter in an alpha-numeric identifier of your choosing. (for example: m2)
6. Select the Mail Size (Kb) field and enter in the maximum size accepted for delivery (for example: 32767)
7. If you intend to accept only authorized connections, please complete the Username, Password and ESMTP Password Authentication fields.
8. Make sure the "Active Domains" checkbox at the top right corner is checked.
9. Click the Add button. Your domain name added will display in the Service Domains list box in the middle of the screen. (See Figure 3 below for all examples listed)

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P3PTools

Typhoon ESMTP Server

(c) 2003/2004 Typhoon ESMTP server is the intellectual property of P3P Tools Inc.
The Typhoon ESMTP utilises "Patent Pending" technology

Typhoon, CalicoMail & Open Email Address Generator (c) 2003/2004 P3P Tools Inc.

Typhoon Mail Server





[About Typhoon](#)

System Settings

☐ Allow Mail Relay

ESMTP Listen Port:
 Max Connections:
 ESMTP Send Port:
 Max Connections:
 POP3 Listen Port:
 Max Connections:

Service Domains

mail2.jslib.org

Active Domain ☐


Domain Name:
 Domain IP:
 Server Name:
 Mail Size (Kb):
☐ Smart Host
 Username:
 Password:
☐ ESMTP Password Authentication

(Figure 3)

Mailbox Configuration

The Mailbox Maintenance screen is where a user "tigger" is being defined. To set up your mailboxes to accept mail or to change the settings of a current user, you will need to follow these steps:

For a New user:

1. From the menu bar on the top left side of the screen, click the first icon on the top left menu bar, which looks like this →  The Mailbox Maintenance screen opens. (See Figure 4 on next page)
2. In the Mailbox Name field, enter in the name of the user (for example: 'tigger' or 'fred' or 'joe').
3. In the Mailbox Description field, enter in some text describing the user account (for example: 'test').
4. In the Password field, enter in a regular POP3 password (for example: 'test')
5. In the Authentication Key field, enter in a specific alpha-numeric authentication phrase that should not be in use as a password anywhere else by the user. This is optional. Its presence will determine if this mailbox receives unknown email. (for example 'typhoon')
6. Make sure the "User Active" checkbox on the top right of the screen is checked. This will indicate that the user will be active and receive email.
7. If an authentication phrase has been used, the "Key Authenticate Mail" checkbox should be checked.
8. Click the **Add** button to add the new user.
9. You will see the mailbox you just added in the Mailboxes list box on the left side of the screen. (see Figure 4 on next page for all examples listed)

(Figure 4)

To change the settings of an existing user:

1. Select the first icon on the top left menu bar, which looks like



this→ The Mailbox Maintenance screen opens.

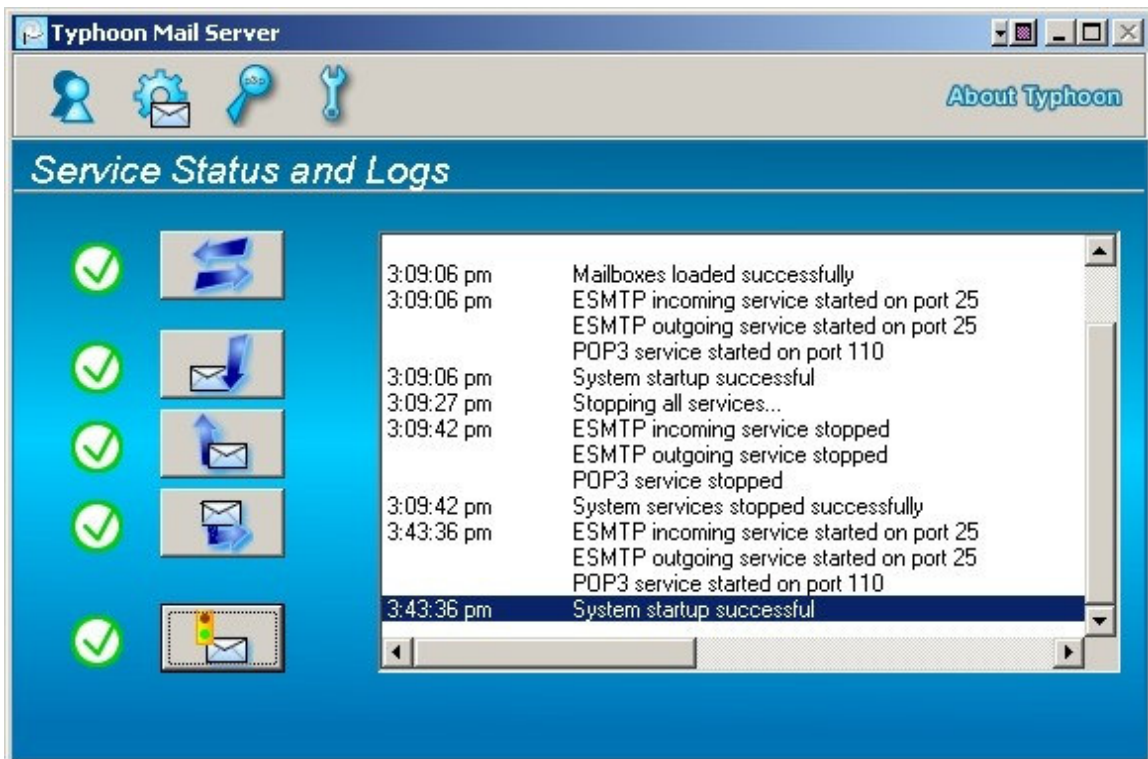
2. In the Mailboxes list on the left side of the screen, double-click on the name of the user you would like to make changes to.
3. Make the appropriate changes to the user settings.
4. Make sure the "User Active" checkbox on the top right of the screen is checked. This will indicate that the user will be active and receive email.
5. If an authentication phrase has been used, the "Key Authenticate Mail" checkbox should be checked.
6. Click the **Update** button.
7. You will see the mailbox you just edited in the Mailboxes list box on the left side of the screen.

Starting the Typhoon Mail Server

To start the Typhoon server application, click the service button icon, which looks

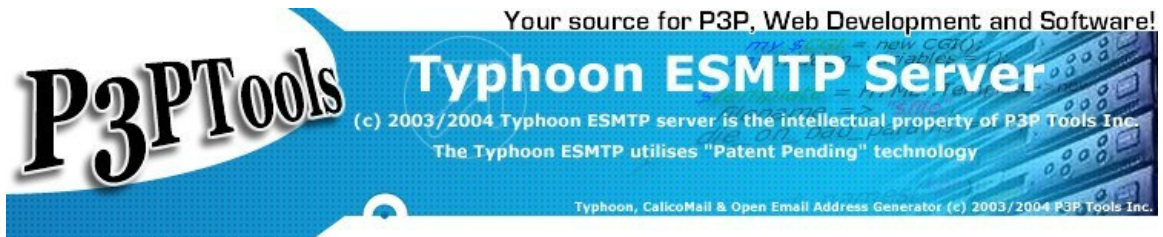


like this → . If Typhoon has been correctly configured, after you click the service button, all icons on the left of the "Service Status and Logs" screen should have a green check next to them. If you have an icon that shows a red X, please contact our customer support for help. You cannot proceed unless all icons have green check marks next to them. (See Figure 5 on next page for an example).



(Figure 5)

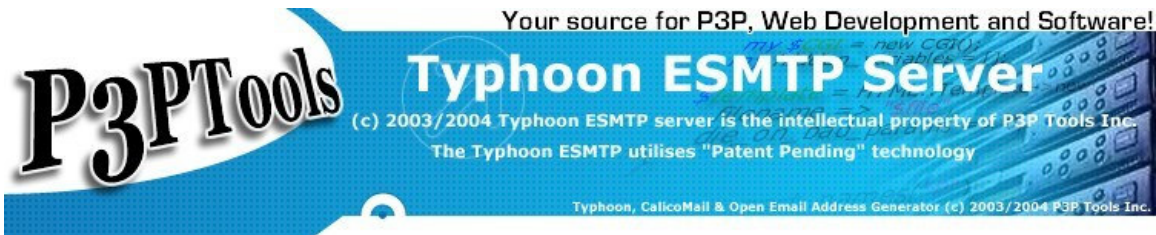
Once you have verified all green checks, Typhoon will now exchange email just like any other mail server, with one major exception: accounts that are defined as providing authentication will not accept email unless it contain the correct authentication information in "Open Email" format. (For an explanation of Open and Closed email addresses, please refer back to the "About Typhoon Mail Server" section of this document).



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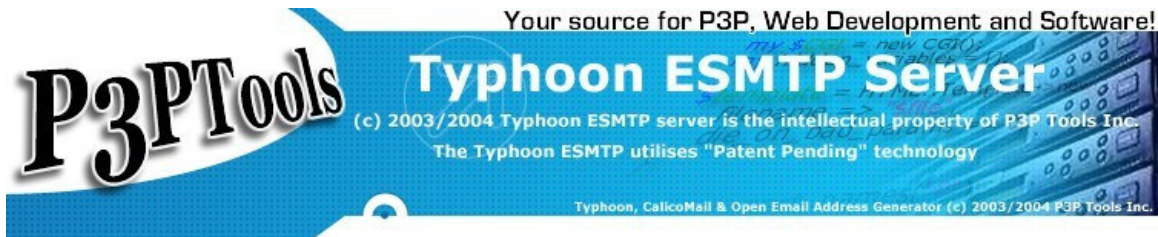
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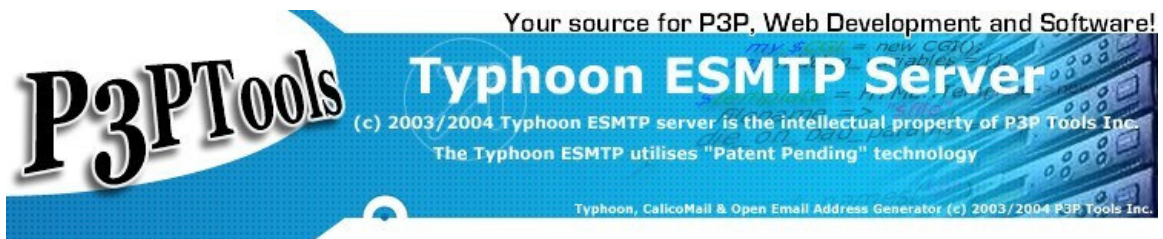
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Typhoon utilizes the "Calico'ed" anti-spam mechanism which is "Patent Pending"

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Support:

If you experience repeated problems installing Typhoon, please contact
support@p3ptools.com

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