# **PureMail Version 1.3**

User Authentication System for Email

# **Installation & Operation Guide**

Introduction by Stephen Waelder

I have decided to write this document since the ZDNet.com review of **PureMail**, which described **PureMail** as the "Ultimate answer in the war against unsolicited mail", found only **one weakness**, Its **Documentation**. I also found myself writing **Louie R. Orbeta** for answers to questions, which were answered the same day. **PureMail** is an excellent tool and once you understand how it operates, very easy to install, configure, and utilize.

**PureMail** is distributed in a compressed ZIP file, or self-extracting ZIP executable. I recommend that you uncompress the ZIP file, or self-extracting ZIP executable into a temporary directory from which you install. In the case where you have a self extracting ZIP executable, just store the file in a temporary directory and run it. The files extracted from the ZIP file will include:

PureMail.exe - The **PureMail** program Readme.txt - Main documentation Install.txt - Author's Installation instructions License.txt - Some legal mumbo-jumbo stuff.. Descript.txt - **PureMail** description Letter.txt - Letter from the author Changes.txt - Summary of changes of each version

#### Installing **PureMail**

1. Create a directory where **PureMail** will be installed. I recommend **C:\Program Files\PureMail**. Open, depending on your system, Windows Explorer or Windows NT Explorer. Goto the **C:\Program Files** directory:

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🔁 Program Files	- E 🔏 🖻 🖻 🗠		
Name	Size Type	Modified	▲
Accessories	File Fold	er 12/15/97 9:30 PM	
Acrobat Reader 3.01	File Fold	er 5/28/98 2:58 AM	
🚞 Borland	File Fold	er 7/13/98 9:58 PM	
🗀 Bryce 2	File Fold	er 1/26/98 11:39 PM	
cdex015	File Fold	er 10/15/9812:31	
🚞 CleanSweep 95 3.0	File Fold	er 12/15/97 10:28	
Common Files	File Fold	er 12/15/97 10:29	
🗀 Desktop Theme	File Fold	er 12/15/9711:14	
Detox	File Fold	er 10/14/98 2:48 AM	
Easy CD Creator	File Fold	er 12/16/97 2:48 AM	
Encarta 97	File Fold	er 4/27/98.5:33 PM	<b>•</b>
42 object(s)	0 bytes		

2. Left Click File, Select New, and left click Folder, Enter PureMail as the directory name:

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<u>F</u> ile <u>E</u> dit ⊻iew <u>H</u> elp		
🔄 Program Files	- E & BB 🗠 × 😭	
Name	Size Type	Modified 🔺
🚞 Setupmgr	File Folder	6/10/98 2:45 PM
Symantec	File Folder	12/15/97 10:12
The Microsoft Network	File Folder	12/15/97 9:31 PM
🚞 ThunderByte AntiVirus 95	File Folder	1/2/98 6:28 PM
Timidity	File Folder	11/5/98 3:45 PM
🔁 Winamp	File Folder	9/21/98 9:57 AM
🔁 Windows Messaging	File Folder	12/15/97 9:31 PM
Wingroove	File Folder	12/15/97 11:22
Wpoffice	File Folder	12/15/97 11:58
PureMail	File Folder	1/30/9911:35 PM
1 object(s) selected		

3. Move the **PureMail.exe** from the temporary directory into the **PureMail** directory and then open the **PureMail** directory:

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🔄 PureMail	💌 🖻 👗 🖻 🖻 💌		
Name	Size Type	Modified	
PureMail.exe	451KB Applica	tion 1/26/9912:37 AM	
1 object(s)	450KB		///

4. Start PureMail for the first time by double left clicking on the PureMail.exe file icon. The PureMail icon will appear on the tool tray and PureMail will initialize the configuration files that it will use. Please note that PureMail may seem slow or unresponsive since the default configuration contains an invalid POP Mail Server Name. PureMail will try to connect to this non-existent system and will time out the connection after a short period. At this point, the PureMail directory will now contain additional files:

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🔄 PureMail	💌 🖻 🔏 🖻			
Name	Size	Туре	Modified	
PureMail.exe	451KB	Application	1/26/99 12:37 AM	
a maillist.lst		LST File	1/30/99 11:39 PM	
Sender.ist	050	LST File	1/30/9911:39 PM	
a stamp.nst	0KB	CFG File	1/30/99 11:39 PM	
🗐 userinfo.cfg	0KB	CFG File	1/30/99 11:39 PM	
1				
1 object(s) selected	450KB			

# Configuring PureMail

1. Left click the **PureMail** icon on the tool tray to open **PureMail** to its main window:

🖫 PureMail 1.3 User Authentication System 🛛 🗙			
File Filter Stamp Senders Mailing I	_ist Tools Help		
UserID: myuserid Password: Mail Server: mypopserver.mypops	Current Time is 11:40:04 PM	Last filtered time	
Timer Setting: 10 minute(s) Operation: Normal	Not Connected	Emails filtered	
Start Auto-Filter Manual Filte	GenerateStamp Stop Auto-Filter	ToolTray 🕺 🤺 Quit	
Processed Email:			
Authorized Stamps:	Trusted Senders:	Trusted Mailing Lists:	

2. Left click **Tools**, then **User Information** to display the User Information, **PureMail** Timer Settings, and Mode of Operation:

User Information		×
Enter Your Inform	nation:	Timer Settings:
UserID:	myuserid	C 1 Minute
		C 2 Minutes
Password:		C 5 Minutes
POP Server:	mypopserver.mypopserverdomain.	I 0 Minutes
		C 15 Minutes
		C 30 Minutes
		C 60 Minutes
Type of Operatio	n:	
Normal - Disp	lay only rejected headers, delete them fron	n server
C Read-only-D	)isplay all headers, don't delete any email	
	<ul> <li>✓</li> </ul>	OK X Cancel

3. Enter your Email account name, Your Email account Password, and your ISP's POP Email server name. This is the same information that you use in configuring your Email reading software. If you have any questions regarding this information, please contact your ISP. Select how often you want **PureMail** to check for new mail by selecting a Timer Settings value. Select the **Type of Operation - Normal** mode will erase any rejected email and display rejected headers. **Read-only** mode will simulate what emails will be accepted or rejected. This feature is nice if you're curious of what **PureMail** can do for you:

User Information	1	×
Enter Your Inform	nation:	Timer Settings:
UserID:	elmo69	C 1 Minute
		C 2 Minutes
Password:		C 5 Minutes
POP Server:	mypopserver.myisp.net	<ul> <li>10 Minutes</li> </ul>
		C 15 Minutes
		C 30 Minutes
		C 60 Minutes
	on:	
Normal - Disp	olay only rejected headers, delete them fro	m server
C Road-only-	Display all boadors, don't doloto any omail	
- Read-only - L	Display al headers, doint delete any emain	
		OK X Cancel

Left click OK when you have completed.

4. Left click **Tools**, then **Stamp Configuration** to display the Stamp Configurations. I have found that the default values are acceptable. If you ever need to create a Stamp which differs, you can open the Stamp Configuration and change the parameters as needed:

Stamp Configuration				
Stamp Size	Expiry Date			
C 5 characters	C Tomorrow			
	C 1 Week from Today			
C 6 characters	C 30 Days (1 Month)			
C 7 characters	90 Days (3 Months)			
	C 180 Days (6 Months)			
8 characters	© 364 Days (1 Year)			
Signature File				
C:\PROGRAM FILES\PUREMAIL\signatu Browse				
	✓ OK X Cancel			

Left click OK when done.

#### **Defining Filters**

PureMail has three filters to validate incoming Email messages.

Stamps Trusted Senders Trusted Mailing Lists

PureMail performs the following tests when processing an incoming Email message:

Does the SUBJECT: contain a Stamp listed in the Authorized Stamps list? Answer – Yes: If the Stamp has an Expiration Date, is the Current Date before the Expiration Date? Answer – Yes: Result – Keep the Email message Answer – No: Does the FROM: or REPLY-TO: contain a string listed in the Trusted Senders list? Answer – Yes: Result – Keep the Email message Answer – No: Does the TO: or CC: or SENDER: contain a string listed in the Trusted Mailing Lists list? Answer – Yes: Result – Keep the Email message

#### Answer – No: Result – Delete the Email Message

Stamps are either a **PureMail** generated string followed by an expiration date or a string that you configure with an optional expiration date. People sending Email to you use a Stamp as the subject of each message. You provide a valid Stamp to people you wish to authorize. Stamps are case and content sensitive. If a person alters a generated Stamp, it will no longer be valid and any Email containing the invalid Stamp is deleted. A Stamp can have any text before or after the stamp to make it easy for the recipient to read the email without opening it up. This is **PureMail's** most secure operation.

Trusted Senders are people you trust and do not need to use a Stamp. **PureMail** will search the "FROM:" and "REPLY-TO:" fields of incoming Email headers. Trusted Senders are not case sensitive and will also permit additional information in the field. If a match is found, then the Email is accepted.

Trusted Mailing Lists are Internet mailing lists that you have subscribed to and wish to continue to receive Email from. **PureMail** will search the "TO:", "CC:" and "SENDER:" fields of incoming Email headers. Like Trusted Senders, Trusted Mailing Lists are not case sensitive and will also permit additional information in the field. If a match is found, then the Email is accepted.

1. Left click **Stamp**, then **Generate Stamp** to create a Stamp. Note that you will have to provide this Stamp to people who will be sending Email to you. This is the most secure operation that **PureMail** provides. If none of the other tests have been passed, **PureMail** will delete any message that does not have a valid Stamp. If any portion of the Stamp is changed, the Email message will be deleted. A Stamp may also be any phrase or line of text. Left Click **Stamp**, then **Create Own Stamp** to define a Stamp. You enter the text that **PureMail** will utilize as a Stamp exactly as you want it to be used. Stamps are case sensitive and must match completely. You can apply an expiration date. Following the line of text, enter the expiration date as Month, Day, and Year in the format of mm/dd/yyyy. This is the same format for expiration date as shown below for the generated Stamp.

PureMail 1.3 User Authentication	System	×
UserID: myuserid Password:	Current Time is 11:44:51 PM	Last filtered time
Mail Server:     mypopserver.mypops       Timer Setting:     10 minute(s)       Operation:     Normal	Not Connected	Emails filtered
Start Auto-Filter Manual Fi	ilter GenerateStamp Stop Auto-Filter	ToolTray 👌 Quit
Processed Email:		
Authorized Stamps: AOHE93Y1 04/30/1999 Need your Help Selected Stamp:	Trusted Senders:	Trusted Mailing Lists:

Left click Stamp, then Save Stamp List to write the configured Stamps to the Stamp.lst file.

Only messages containing:

AOHE93Y1 04/30/1999 Need your Help

As the Subject will be accepted, any messages with Subjects of:

Aohe93y1 04/30/1999 Need Your Help Free Money, Retire Today

Will all be deleted if they do not also pass the Trusted Senders and Trusted Mailing Lists checks.

2. Left click **Senders**, then **Add Sender** to authorize Email sent to you from specific people. Note that entries in this list will not need to use a Stamp and they do not even need to know that **PureMail** is filtering Email from them. Also note that **PureMail** will accept partial address strings. This is less secure than specifying each sender but easily authorizes any Email sent from an Internet domain. In the example below, I have entered geocities.com which uses this feature to allow anyone at Geocities to send Email:

🚪 PureMail 1.3 User Authentication	System	×
File Filter Stamp Senders Mailing	gList Tools Help	
OsenD.     mydoond       Password:     wwwwwww       Mail Server:     mypopserver.mypops	Current Time is 11:45:53 PM	Last filtered time
Timer Setting: 10 minute(s) Operation: Normal	Not Connected	Emails filtered
Start Auto-Filter Manual Filt	ter GenerateStamp Stop Auto-Filter	ToolTray 🍌 Quit
Processed Email:		
Authorized Stamps: AOHE93Y1 04/30/1999 Need your Help Selected Stamp:	Trusted Senders: geocities.com louieorbeta@technologist.com	Trusted Mailing Lists:

Left click Senders, then Save Senders List to write the configured Trusted Senders to the Sender.lst file.

3. Left click **Mailing List**, then **Add Mailing List** to authorize Email sent to you from specific Internet Email lists. The entries in the Trusted Mailing Lists operate identically to the Trusted Senders. Note that entries in this list will not need to use a Stamp and they do not even need to know that **PureMail** is filtering Email from them:

🚪 PureMail 1.3 User Authentication	System	×
File Filter Stamp Senders Mailing	gList Tools Help	
Password: wypopserver.mypops	Current Time is 11:46:46 PM	Last filtered time
Timer Setting: 10 minute(s) Operation: Normal	Not Connected	Emails filtered
Start Auto-Filter Manual Fil	ter GenerateStamp Stop Auto-Filter	ToolTray 🍌 Quit
Processed Email:		
Authorized Stamps: AOHE93Y1 04/30/1999 Need your Help	Trusted Senders: geocities.com louieorbeta@technologist.com	Trusted Mailing Lists: my@mailinglist.net

Left click Mailing List, then Save Mailing List to write the configured Trusted Senders to the Maillist.lst file.

This completes the Configuration of **PureMail**.

### Defining a PureMail Maintained Email Signature File

1. In the **PureMail** main window, left click a stamp that you wish to use in your signature file, then left click **Stamp**, then **Print Current Stamp to file**. This creates three more files in the **PureMail** directory:

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<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>H</u> elp				
🔄 PureMail	💌 🖻 🔏 🖻		<u>□</u>	
Name	Size	Туре	Modified	
🖳 PureMail.exe	451KB	Application	1/26/99 12:37 AM	
🔄 maillist.lst	0KB	LST File	1/30/99 11:39 PM	
🔄 sender.lst	0KB	LST File	1/30/99 11:39 PM	
🔄 stamp.lst	0KB	LST File	1/30/99 11:39 PM	
🔄 🔄 stmpinfo.cfg	0KB	CFG File	1/30/99 11:39 PM	
🔄 userinfo.cfg	0KB	CFG File	1/30/99 11:39 PM	
🗐 siq1.txt	0KB	Text Document	1/30/99 11:47 PM	
🗐 sig2.txt	0KB	Text Document	1/30/99 11:47 PM	
🗐 signatur.txt	1KB	Text Document	1/30/99 11:47 PM	
1 object(s) selected	450KB			

The Sig1.txt and Sig2.txt contain the text of your signature. The Sig1.txt is before the **PureMail** Stamp and Sig2.txt is placed after the Stamp.

2. Double left click the Sig1.txt file icon to open the file in Notepad. Enter the text you want for your signature that will appear before the included Stamp, Example:

🔳 sig1.txt - Notepad			_ 🗆 ×		
<u>F</u> ile	<u>E</u> dit	<u>S</u> earch	<u>H</u> elp		
Wher	n ser	nding e	email,	use:	
I					$\mathbf{\nabla}$

When you have completed, save the Sig1.txt file and exit Notepad.

3. Double left click the Sig2.txt file icon to open the file in Notepad. Enter the text you want for your signature that will appear after the included Stamp. Example:

🗐 si	g2.txt -	Notepac		_		
<u>F</u> ile	<u>E</u> dit	<u>S</u> earch	<u>H</u> elp			
As the subject.						
PureMail protected by PureMail. Only messages containing the stamp in the Subject will be delivered.						
•					₹ N	

When you have completed, save the Sig2.txt file and exit Notepad.

4. In the **PureMail** main window, again left click **Stamp**, then **Print Current Stamp to file**. This will recreated the **PureMail** Signatur.txt file with the selected Stamp and the contents of the Sig1.txt and Sig2.txt files. Example:

🖹 signatur.txt - Notepad 📃 🗖 🗙
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
When sending email, use: 📩
AOHE93Y1 04/30/1999
As the subject.
Email protected by PureMail. Only messages containing the stamp in the Subject will be delivered.

5. In your Email reader software, configure the **PureMail** maintained signature file, **C:\Program Files\PureMail**\ **Signatur.txt**, as the signature for Email that you send out. The Email reader software vendor determines the ease and ability of any given Email software to do this. Please contact their technical support group if you have any questions in this area.

#### Configuring PureMail to autostart

1. Copy the **PureMail.exe** file from the **C:\Program Files\PureMail** directory and paste a shortcut into your computers **Start Menu\Programs\StartUp** directory:

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<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>H</u> elp				
🔄 StartUp	💌 🖻 👗 🗎			
Name	Size	Type	Modified	
Excite Direct Image PureMail QuickRes AM Compressor RAM Compressor Random Mail Signature	1KE 1KE 1KE 1KE 1KE	<ul> <li>Shortcut</li> <li>Shortcut</li> <li>Shortcut</li> <li>Shortcut</li> <li>Shortcut</li> <li>Shortcut to MS-D</li> </ul>	10/25/98 7:44 AM 10/25/98 7:44 AM 1/26/99 12:07 PM 10/25/98 7:44 AM 10/25/98 7:44 AM 1/30/99 11:30 PM	
6 object(s)	2.90KB			//

Note that the specific path to the **Start Menu\Programs\StartUp** directory can vary depending on the specific Operating System that you are using, Windows 95, Windows 98, or Windows NT.

This concludes the installation, setup, and configuration of PureMail.

Acknowledgement

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