



Pegasus Mail - helpful tips and hints for installation

Welcome to Pegasus Mail! This help file contains answers to commonly-asked questions about installing and using the program. Please click on any of the underlined links below to read the information in that section.

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System Requirements

Pegasus Mail has been tested and works on the following versions of Microsoft Windows:

- Windows 98 and 98SE
- Windows ME
- Windows NT 4.0 with Service Pack 1 or later
- Windows 2000
- Windows XP (Home or Professional)
- Windows Server 2003

Note: Pegasus Mail will not run correctly on Windows 95 systems.

Pegasus Mail requires approximately 7MB of disk space for its program files, and whatever extra space is needed for your mail files. On Windows 9x systems, Pegasus Mail uses about 10MB of virtual memory, while on Windows NT, 2000 and XP it typically uses around 15MB of virtual memory. It makes very few demands on your system and has been designed to be left running more or less permanently.

You should use a display set to 800x600 resolution or greater to run Pegasus Mail, although 640x480 is (just barely) supported. We recommend that you set your display to 16-bit ("High colour") or 32-bit ("True colour") mode, but the program will still run properly in lower modes. To check or adjust your display settings, click the Windows "Start" menu, choose "Settings" and open the control panel: the "Display" control panel applet allows you to adjust your display settings.

For Internet-based mail, if you can connect to web pages using a web browser, then you can use Pegasus Mail to access your mail. Pegasus Mail uses the standard Windows Internet networking layer to access Internet services. If you are using a dialup connection, you may need to use the *Dialling* page in Pegasus Mail's *Internet configuration* dialog to control dialling and hanging up on your system. Pegasus Mail can send and receive mail using any Internet Service Provider that follows the relevant Internet standards properly.

Pegasus Mail has comprehensive support for Novell NetWare Local Area Networks. If you have a Novell network You can run the program in either NetWare 3.x ("Bindery") mode, in which case no extra configuration is required, or in NetWare 4.x/5.x/6.x ("NDS") mode, in which case you need to use the NCONFIG utility supplied with Pegasus Mail to create your users' mailboxes.

An overview of Pegasus Mail's features

Pegasus Mail is an e-mail client that runs on computers using Microsoft Windows: by *client*, we mean that it interacts directly with the user, allowing mail to be sent, read, filed, printed and otherwise manipulated through a graphical interface. Probably one of the most feature-rich mail clients available, most users say that they find the program easy to use despite its richness. Small and fast, Pegasus Mail can be left running permanently on the workstation and includes powerful tools to notify the user when new mail arrives.

Pegasus Mail can run on single Windows computers, or local area networks - it has special support for Novell NetWare LANs that allows it to operate intuitively and with almost no maintenance. The program also supports multiple users on a single computer. Pegasus Mail can act as a complete internal mail system on its own without needing further servers or components: it can send and receive Internet mail on its own using standard protocols (SMTP, IMAP and POP3). By adding our Mercury Mail Transport System as a mail server, you can provide fully-integrated centralized Internet e-mail services and mailing list management for your Pegasus Mail users.

One of Pegasus Mail's most important features is its security: the program is completely immune to the viruses, trojan horses and other nasties that plague Microsoft Outlook and Outlook Express. Using Pegasus Mail, you need never worry about Melissa, Sircam or Nimda again.

Pegasus Mail - Features

Pegasus Mail does all the basics of e-mail extremely well, and far more than that... This list is by no means comprehensive - it concentrates on the highlights.

- Mail filtering; Pegasus Mail pioneered this in 1991, and it's still the most powerful implementation of automated rule-based filtering you'll find in a mail client.
- Junkmail filtering (Content Control) allows you to perform comprehensive analysis of the contents of incoming mail and classify it as either "spam" or legitimate mail.
- MailMerge allows you to create customized form letters to multiple recipients
- Support for all major Internet mail-related protocols - SMTP, POP3, IMAP4, LDAP, PH
- Distribution lists allow easy management of large mailing databases
- Support for multiple "identities" - easily-selectable groups of preference settings
- Support for multiple users on the same machine as well as on networks.
- Multiple folder formats and the ability to "mount" other users mailboxes on your desktop
- Powerful message editor with full formatting capabilities
- Full support for the Internet MIME protocol, including digests and alternative message types
- SSL/TLS support for secure connections using industrial-strength encryption.
- Powerful, multiple addressbooks with aliasing ("nicknames") and full user detail records
- Automatic listing of local users
- Complete support for Novell NetWare local area networks, in both NDS and Bindery modes.

- Selective download allows you to preview a POP3 mailbox before downloading it.
- Server-side mail filtering allows you to apply Pegasus Mail's powerful filtering engine to your POP3 mail before you even download it!
- Offline operation allows you to read and compose your mail while you are not connected to the Internet.
- Many ease-of-use features, including easily-accessible lists of recently-used addresses, directories and files, and address completion in any address field.
- Message reader supports wrapping options to handle even the most deviant messages
- Grouped views allow you to organize the mail in your folders according to complex criteria - for instance, the Active Threads grouped view sorts your mail by thread (subject then reverse date), then sorts again so that the threads with the newest mail appear at the top of the list.
- Rich plugin interface allows third-party extensions and mail forms to be developed
- Template interface allows you to design complex mail forms using a simple text editor
- Spelling checker, with UK English and US English dictionary, and user dictionary additions.
- Highlight significant messages using your own colour schemes
- Sort your mail by date, size, sender, subject, colour or thread, in ascending or descending order
- View attachments directly from within the program
- Supports confirmation of reading and confirmation of delivery requests
- Glossaries allow you to store commonly-used texts and expand them with a single keystroke
- Automatic replies and automatic forwarding when interfaced with our Mercury mail server
- Powerful encryption interface - the program has its own encryptor, and by adding readily available plugins, can support encryptors such as PGP.
- Noticeboards allow controlled posting and reading in public mail areas, much like Internet news.
- Optional copies to self ("sent mail" in other programs), with the ability to prompt for a folder where the copy should be placed, and full mail filtering support to file your copies.
- Selectable and user-adjustable toolbars
- Incredibly rich preferences set allows you to control practically every aspect of the program
- Rich options for reporting new mail while the program is minimized on your desktop
- Automatic hyperlinking of URLs and e-mail addresses, even in non-HTML messages
- Over 300KB of well-indexed, logically-arranged online help
- Drag and drop attachments from the desktop to Pegasus Mail

- Notepads give you an easily-accessible workspace for storing notes and work in progress
- Circulation messages allow you to send a message or document to successive people in order for comment and amendment.
- Full DDE interface
- Telephone message form for the office environment
- Support for multiple simultaneously accessible POP3 and IMAP mailboxes.
- Powerful Select feature allows you to select messages based on arbitrarily complex conditions
- ... and much more. Even we're always surprised at how much the program can do.

An overview of the installation and setup process

Installing Pegasus Mail on your computer or Network is typically a two-step process.

In the first step, which you are taking now, the Pegasus Mail program files are installed into a directory on your computer, and icons are added to the Windows 'Start' menu so you can run the program. During this process, changes are made to the Windows Registry (a kind of "system database" Windows uses to keep track of settings and programs) that allow your web browser to use Pegasus Mail, and a small utility is installed that allows you to use the Windows Explorer "Send to..." command to send files via Pegasus Mail.

The second stage of the installation process varies slightly depending on whether you are connecting to a Novell NetWare Local Area Network, or else are installing the program on a single computer, or on a Windows "Peer-to-Peer" or Windows NT network.

Single computer: the second stage of the installation process will happen the first time you run Pegasus Mail itself: at this stage, Pegasus Mail asks you whether or not there will be multiple users running the program, and where it should store their mail-related files. If you choose to have multiple users, you are also given the opportunity to create your initial group of mail users at this point.

Windows or Windows NT network: the second stage of the installation process will happen the first time you run Pegasus Mail itself: at this stage, Pegasus Mail asks you whether or not there will be multiple users running the program, and where it should store their mail-related files. If you choose to have multiple users, you are also given the opportunity to create your initial group of mail users at this point. If you are running a Windows Peer to Peer Network (or "Workgroup"), or if you are using a Windows NT File Server, you should create your mail directories on a volume that all your users can access.

Novell NetWare: If you have a Novell NetWare Local Area Network and plan to use Pegasus Mail's special support for this environment, the setup process is slightly different: if you are running in "Bindery mode" on a NetWare 3.x server, then no further configuration is necessary - Pegasus Mail can be run as a fully-functional multi-user mailer as soon as you exit from the setup program. If you are running NetWare 4.x, 5.x or 6.x in "NDS mode", before you can run Pegasus Mail the first time, you must use a utility called NCONFIG to create mailboxes for your users. NCONFIG is supplied as part of the system and will be installed by setup if you choose an NDS mode installation. In either case, it is perfectly acceptable for you to install a single copy of Pegasus Mail on your file server and create shortcuts to it on your users' computers: when doing this kind of "centralized installation", you should login as an administrative user ("SUPERVISOR" under NetWare 3.x, or "ADMIN" under 4.x/5.x/6.x) before doing the installation. Your users need only have [RF] ("read" and "filescan") rights in the directory where you install the program.

Special note: If you want to use Pegasus Mail's special support for Novell NetWare, you must be using a genuine Novell workstation client on your computer - the Microsoft NetWare client software is inadequate, because it does not have proper support for 32-bit applications.

What's new in this version of Pegasus Mail?

Version 4.41, June 2006

Version 4.41 is the release that was never meant to be... After the release of v4.31, it was my intention to begin work on Pegasus Mail v5, in which the core capabilities of the program will be heavily extended - new addressbook, a calendar, new folder formats and a new programming interface. Then I received an offer from one of my test team, a very clever man from the Czech republic called Lukas Gebauer. Lukas asked me if I would like to collaborate with him in integrating his Spamhalter Bayesian Spam Filter into Pegasus Mail. Now, Pegasus Mail has had a rule-based spam filter called *Content Control* for quite some time, but it requires constant maintenance. A Bayesian Spam Filter, with its automatic learning and minimal maintenance, was too good an addition to pass up. As a result, I decided it would be worth adding a little extra delay to the v5 developments to make this powerful new addition available to my user community.

In this version...

- **Spamhalter** Lukas's Spamhalter plugin is a fully-fledged Bayesian Spam Filter for Pegasus Mail. It learns automatically from the mail you receive and moves anything that it thinks is spam into a folder you designate as your "spam folder". Training Spamhalter is easy - just move any spam it misses into your spam folder and it will automatically learn from it. Similarly, move any false positives (mail it mis-identifies as spam) out of the spam folder to any other location and it will be trained on them as not-spam. Spamhalter is comprehensively integrated with the program - you can right-click any message and train it as spam or not-spam (without even moving it in or out of the spam folder), and you can get explanations of what caught Spamhalter's interest in the message: you can even sort and group messages by their level of "spamminess". Combined with Pegasus Mail's existing Content Control and General filtering capabilities, Spamhalter provides a level of filtering power other applications can't even dream about.
- **Mail Merge built into the program** Pegasus Mail has shipped with a simple but effective mail merge plugin for many years, but as times have changed, so people have found they want to do more and more with their merges. Pegasus Mail now has mail merge built in as a core function - as a tab on the standard message editor you use every day. The new mail merge allows you to use formatting, tables and graphics in your merged messages, and even to merge attachments into your messages. What's more, the new "dry run" capability allows you to preview the exact appearance of your merge before you actually send it out.
- **Global whitelist** Now that the program has two different but complimentary spam filtering tools, it has become important to provide tools to prevent messages from being detected as spam. The new global whitelist capability allows you to exempt certain e-mail addresses from spam filtering, ensuring that they pass reliably into your new mail folder. More powerfully, the whitelist is configured by default to add every address to which you send mail, meaning that anyone to whom you send a message is automatically whitelisted and exempted from spam processing on your system.
- **More improvements to HTML rendering** The improvements to HTML display and editing introduced in v4.31 take another step forward in this version. Crashes from poorly-constructed HTML should now be vanishingly rare, and the quality of editing when replying or forwarding is significantly improved.
- **Default size and layout capabilities for folders** You can now save the size and column layout of any of your folders and use that layout as a default for all new folders. You can also apply your default layout to any existing folder at any time. These new commands are on the *Folder* menu when you have a folder open in its own window.

- *Autoreplace improvements* The message editor's Autoreplace feature now attempts to preserve the capitalization of any text it replaces for you. It also has a number of improvements dealing with international characters, and if you run the program in more than one language, each language can have its own autoreplace list.
- *Simultaneous multilingual release* For the first time in the program's history, v4.41 marks the simultaneous release of Pegasus Mail in English, German, French and Italian. Proper credit is due to all the dedicated volunteers involved in each language's translation process, in particular to Sven Henze, Philippe Chartier, Emmanuel Demulau, Markus Wiedemeier and Valter Mura.

In previous releases:

V4.31 - December 2005

V4.3 marks the end of a long process of modernizing the Pegasus Mail code; on the surface, it may not appear significantly different from previous versions, but it has been through nearly 40 beta cycles and has countless changes. The major differences are:

- *Completely new HTML renderer.* Pegasus Mail now has a completely new HTML renderer that does a dramatically better job of displaying HTML data, and which is vastly more robust than the renderer used in previous versions of the program. The HTML upgrade is the result of extensive collaboration between Pegasus Mail's author and Martin Ireland. The new renderer retains the levels of security and privacy assured by previous versions of the program - you cannot be compromised or infected by reading HTML mail in Pegasus Mail, just as has always been the case.
- *New automatic picture-loading options* In the past, Pegasus Mail has made a point of not automatically downloading remote-linked graphics in mail messages because of the security and privacy issues associated with the process. We accept, however, that people will have some sites and newsletters whom they trust and from whom they are happy to accept messages with remote-linked graphics: a new option in the message reader preferences page now allows you to specify particular addresses for whom it is OK for the program to retrieve graphics automatically.
- *Anti-phishing protection* An increasing trend on the Internet is a form of criminal fraud called *Phishing*, in which people are duped into revealing banking logins or credit card details by convincing-looking messages purporting to be from legitimate financial institutions. Pegasus Mail now has a number of internal checks that will attempt to warn you if you appear to be falling into a phishing trap.
- *Character set handling totally overhauled* Pegasus Mail can now handle mail messages in a much wider range of character sets, including the unicode variants (UTF-8 and UTF-7) and many asian character sets. The program can now also generate mail in UTF-8 and a much wider range of source character sets as required.
- *Look and feel changes* The program now sports more XP-like buttons, and many of the program's icons and bitmaps have been upgraded to appear more modern. There is also a beautiful new program icon designed by Sven Henze.
- *Multipart/Related message generation* The program now uses a special format called multipart/related when sending HTML mail messages containing formatted text and graphics. This format is more widely-accepted than the format generated by previous versions of the program, and will allow Pegasus Mail's messages to be viewed transparently on programs such as Mozilla

Thunderbird.

- *IMAP fixes* The IMAP module in the program has had a number of fixes made to it - in particular, it now properly keeps connections alive, and problems with cache files becoming damaged during abnormal program termination should be completely resolved. It is now also possible to have Pegasus Mail automatically clear its cache files on disconnection for selected IMAP profiles (for reasons of privacy or to preserve space).
- *Searching completely overhauled* The program's tools for Searching through your folders have been totally overhauled, offering a wide range of new capabilities and constraints. Searching is much faster and more flexible, and results now open in their own folder, which you can manipulate just like any other folder.
- *New folder format: Link Folders* You can now create a new type of folder called a *Link Folder*: these folders do not contain messages, but instead hold links to messages. They allow you to put together collections of messages from any folders anywhere in your system and manipulate them as a single folder. Link folders are primarily used by the new search engine (see above) but you can also create them manually (as to-do folders or whatever) if you wish.
- *New workstation setup utility* A new tool called WSSETUP.EXE is now provided with the program; this tool makes it easier to use a shared copy of Pegasus Mail on multiple workstations (i.e. when running a copy of Pegasus Mail installed on a file server or shared volume) by allowing the user at each workstation to create desktop icons and program groups, and to enable the program for browser link handling. Once the shared copy of Pegasus Mail has been installed, simply run WSSETUP.EXE once from each workstation where Pegasus Mail needs to run to complete the setup process.
- *Simplified setup for shared and memory stick installations* In situations where the Pegasus Mail program and mailbox data are stored on the same drive, it is now much easier to install the program so that it will run on any system, regardless of the drive letter by which the system accesses the shared volume. In the past, you could run into problems if drive letters changed from workstation to workstation, but this no longer happens. A side-effect of this is that a complete Pegasus Mail installation can now be put onto a memory stick and used on any computer, making a wonderfully compact and portable way of taking all your mail with you wherever you go.
- *Ability to read HTML directly into the message editor* A new right-click option in the message editor now allows you to read pre-formatted HTML directly into the message body. Most HTML styling options are supported by the import facility.
- *Much improved handling of copies-to-self* Copies to self containing formatted (rich text) content now reflect that content in the folder, and can be re-sent preserving the formatting. Character set handling in copies to self has also been markedly improved..
- *Support for much longer lines* Pegasus Mail can now display unwrapped messages with lines up to 1000 characters long, and can handle malformed messages that incorrectly use MIME encodings as paragraph wrappers out to 8000 characters in length (this fixes a particularly ugly error in messages generated by Novell GroupWise).

V4.21b and V4.21c - June 2004

V4.21b fixed a problem where distribution lists with a "Reply-to" field defined would cause a crash when used; it also added more high-colour bitmaps to the program. **V4.21c** fixes a problem where annotations could be lost when moving messages from one folder to a folder of a different base type (for instance,

when moving a message back to the new mail folder). It also allows you to turn on the display of new mail in a **bold** typeface (see the *Folders and Previews* preference page), supports the use of `Ctrl+Shift+R` to start a new message to the sender of the selected message in a folder, and has still more high-colour bitmaps (thanks to Sven Henze for putting in many hours of work converting the remaining bitmaps). V4.21c also has the distinction of being the first ever version of Pegasus Mail where we have been able to release English and German versions on the same day - once again, thanks to Sven Henze for his excellent work in making this possible.

V4.2, April 2004

V4.2 originally started out as a single-item revision, focusing on rewriting the program's support for the IMAP protocol, but it sort of blew out during the development process, and has become a fairly significant release in its own right.

The IMAP Revision Pegasus Mail's IMAP code was originally written in 1997, and at the time the servers that were available implemented the IMAP protocol fairly unevenly. As a result, my IMAP code tended to be very defensive, which meant that it worked with a wide range of servers, but did so quite slowly and didn't take any advantage of the clever parts of the protocol. Pegasus Mail v4.2 fixes all that. The IMAP code now caches extensively and has a wide range of performance options you can use to tune the way you connect to your server: all IMAP-related operations should be substantially faster than in previous versions, and we have timed some operations as being as much as 80 times faster than in v4.12a. You can also access IMAP profiles offline, with full access to any message for which Pegasus Mail has locally-cached data; a right-click option allows you to cache an entire folder with a single command, allowing you to work with it "on the road". You can also use internationalized characters in your IMAP folder names, and can create IMAP profiles that "subscribe" to only a few of your folders for ultra-fast connections. Finally, we've gone to considerable lengths to make the program's IMAP support as robust and reliable as we possibly can, since all the performance improvements in the world don't amount to much unless the code works reliably.

Other changes The IMAP component of Pegasus Mail has always been just about the most complex and difficult part of the whole program, which is largely why the step from v4.12 to v4.2 has taken so long... Having said that, though, there are lots of other new things in v4.2 as well:

- **New look user interface** Pegasus Mail now sports new high-colour bitmaps for its buttons and user interface. You'd be amazed how long it takes to do these things - many of these buttons have been through multiple designs before we settled on the set that now appears in the program. While this modification is purely cosmetic, we are continually surprised at just how much of a difference it makes to the user's experience of the program.
- **New WindowBar** The new WindowBar makes it easier to navigate between multiple open windows. It shows all the windows that are currently open, and allows you to switch between them with a single click. The buttons on the WindowBar also act as drag-and-drop targets for windows that accept drag-and-drop data. You can open and close the WindowBar using the blue arrow button at the far right of the program's status bar.
- **Filtering rule wizard** It's now easier than ever to create new mail filtering rules: just select a message you want to use as a model and click the Filtering button; Pegasus Mail's filtering rule wizard will ask you a couple of simple questions and voilà! A new rule is created for you, ready to go.
- **Attachment filtering** You can now create filtering rules based on attachments in incoming messages, and a new group of actions allow you to save attachments to files, run programs on attachments or delete attachments from the message. A new filtering rule action also allows you to add headers to messages in your new mail folder if you wish.
- **New Public (System-wide) Foldering options** Pegasus Mail has supported the idea of System-

wide folders (folders available to all users) for a number of years, but it's required some tinkering to set up, and was rather limited in capability. V4.2 has completely reworked this idea: it is now easy to create up to fifteen different Public Folder trees accessible to all your users, and Public Folders are now much more flexible. A public folder can have attributes shared amongst all your users (so, if one user reads a message, it will be marked as read for everyone), or if you prefer, attributes can be private, so each user will have his own view of the folder. Public folders can also now have a hierarchical structure. We think that for many sites, this will be the most exciting single change in Pegasus Mail for a number of years, because it finally allows true, seamless multi-user access to shared folders.

- *List banding* You can now tell Pegasus Mail to display alternate items in message lists, the folder list, and addressbooks in different colours. This effect, called Banding, gives a clear visual cue when you are working in lists, and is extremely effective. Banding is turned on by default, and can be adjusted in the new *List display* preferences page in the *Tools|Options* dialog.
- *Visual feedback during drag and drop* When you are dragging and dropping items, Pegasus Mail now highlights the item in a list into which the drop will occur. This visual feedback adds certainty to the process.
- *Content Control updated and overhauled* Pegasus Mail has now inherited the improvements made to Mercury/32 v4.01 for Content Control (spam detection). The new CC engine has a number of new and powerful tests, including support for checking on excessive HTML comments, lazy HTML (remote-linked pictures), obfuscated words (like "v1agra") and more. Our experience of Content Control is that it catches 90-95% of the spam we receive with almost no false positives.

The little things: Usually when I write these "what's new" summaries, I add an entry that says "lots of other little things were changed", but that's truer than ever in this release. I thought it might be apposite to give you just a few examples of the "little things" we've modified for v4.2, although this is just a smattering...

- When you move a message to an open folder, it will now appear at the top of that folder's list of messages.
- The Pegasus Mail status bar has been reworked, with new buttons that toggle between online/offline mode, stop TCP/IP connections, and toggle the new WindowBar.
- You can now create a list of your own prefixes that Pegasus Mail should ignore at the start of the *Subject* line of a message during sorting. This file, called PREFIX.PM, can include anything you want the program to disregard when sorting on the subject line.
- Date parsing (interpreting the "Date" field of incoming mail) has been totally overhauled to deal with the increasingly wide range of malformed date headers generated by spamware and other poorly-written Internet mail programs.
- If you have a mouse with a mousewheel, the wheel now works slightly differently from previous versions: now, it will scroll whatever portion of a Window currently contains the mouse pointer, without that window needing to have input focus. This is actually one of my personal favourites in v4.2, but I may just be easily amused.
- Right-clicking a message and choosing *Start new message to sender* will now open a dialog allowing you to select from the various e-mail addresses in the message if there is any ambiguity.
- The *"Run a program"* filtering rule action now has a new option that forces Pegasus Mail to stop all processing until the program finishes.

- A new message editor layout includes an identity selector on the front page - this is a Godsend if you use identities extensively. See Tools|Options|Messages and replies to select the new layout.
- You can now right-click any message in a message list and select *Message headers* to see a quick raw view of the headers of that message.
- Pressing Ctrl+Shift+S in the message editor will swap the contents of the *To:* and *CC:* fields.

... And there's lots more in there too - don't forget to spend some time looking through the menus and preference dialogs for other changes.

V4.12, May 2003

V4.12 is a consolidation release that fixes a fairly wide range of minor problems in the v4.10 and v4.11 releases. It also fixes a major problem where Eastern European character sets were not correctly written into outgoing mail messages, and another where replying to a message and specifying "no signature" would result in an application crash. V4.12 also correctly installs a default Content Control definition (see below) for existing users who have no sets currently installed (v4.10 and v4.11 would only install the default set for new users).

V4.12 also includes an updated and significantly improved SPAMBUST.DAT default rule set for spam detection. This file will *not* be installed for existing users unless they currently have no content control definitions at all. If you are using the default content control from v4.10 or v4.11, simply take the copy of SPAMBUST.DAT you will find in the RESOURCE subdirectory of the directory where you installed Pegasus Mail and use it to replace the version in your home mailbox. System administrators who installed v4.10 or v4.11 should also note that the copy of SPAMBUST.DAT in the DEFAULTS directory where WinPMail is installed will not be updated by the installer (because it may have been modified locally). You can update the file by manually copying it from the RESOURCE subdirectory to the DEFAULTS subdirectory.

Future versions of Pegasus Mail will include optional online and automated updating of this and other content-control files, to make it easier to keep definitions up-to-date.

V4.10, March 2003

Pegasus Mail v4.1 is a major release with the first of a number of key feature additions we intend to make during 2003.

- *Content control* This powerful new feature allows you to apply rigorous testing to the content of the e-mail you receive. It is primarily aimed at trapping spam, but can be used for much more if you wish.
- *SSL Support* Pegasus Mail now supports secure connections using SSL on all the major protocols it supports - IMAP4, POP3 and SMTP. Using SSL minimizes the chance that your e-mail can be intercepted during download or sending, and Pegasus Mail's certificate fingerprint management ensures that you are warned if someone attempts to masquerade as your server (a so-called *Man in the Middle* attack). Strong encryption, with keys using 192 bits or even more if the server supports it, is standard.
- *Rewritten POP3/SMTP code* Pegasus Mail's POP3 and SMTP mail routines have been totally rewritten for V4.1: you can now have multiple POP3 mailboxes active at any time, can apply Pegasus Mail's powerful filtering rules to messages on the server before they are downloaded, and there are several new and revised features for controlling how much mail is downloaded from the server at any given time.

- *Grouped views* Pegasus Mail v4.1 provides you with a powerful new way of organizing the mail within your folders: *grouped views* create a hierarchy within your folders, allowing you to construct any of ten different organizations of mail. Of particular note is our *active threads* grouped view, which sorts messages into threads, then sorts active threads (those which have new mail) to the top of the list. To experiment with grouped views, look on the *Messages* menu if you use Pegasus Mail's preview mode, or on the *Folder* menu if you use Pegasus Mail's classic mode to browse your folders.
- *New skipping modes for the message reader* Coupled with the new Grouped Views feature is a set of *skipping modes* for the message reader: located on the *Reader* menu under the section *Next/Prev* skipping modes, these options allow you to tell the message reader to skip over read or uncoloured messages when you click the Next or Prev button in the message reader. The new skipping modes have convenient hotkeys so you can turn them on and off quickly.
- *Attachment browser in preview mode* If you run Pegasus Mail in its three-pane "preview" mode, you can now view and manipulate the attachments to your messages simply by pressing the <F7> key to switch to attachment view. You can switch back to the message view at any time by pressing <F8>. There are also buttons on the preview window's ribbon bar to change views.
- *Template editor* Pegasus Mail's *Template Support* (mail construction from a pre-written script) is one of the most powerful features in the program, and prior to now has been one of the least-used, because of its complexity. Pegasus Mail v4.1 includes a powerful template editor that vastly simplifies the process of writing and maintaining templates. With full editing assistance, it allows you to build templates without having to worry about the details of the template scripting language. It is accompanied by extensive additions to the online help that describe the template scripting language.
- *Windows XP Look and Feel, improved status indicators* Pegasus Mail v4.1 will automatically use the Windows XP "Look and Feel" if you run it on Windows XP, and the folder and preview mode windows now have new, more intuitive status indicators to show what each message in the folder is.
- *New option for creating default folders and files* You can now create a folder called DEFAULTS in the directory where Pegasus Mail is installed and place in that directory any files that should be automatically copied into the mailboxes of new (first-time) users. As installed, the directory contains three default folders, a default addressbook and a default Content Control set, but you can use it to add distribution lists, other addressbooks, templates - any type of Pegasus Mail data file residing in the user's home mailbox directory.
- *Improved multi-folder searching* Searching through multiple folders has been considerably improved in v4.1, with options to limit the search to only messages falling within a particular age range, and to require all search terms to match. These changes can dramatically decrease the time it takes to search across all your folders for mail.

Changes in previous versions - V4.02, July 2002

V4.02 is primarily a bug fix release, aimed at smoothing out lingering rough edges in v4.01. Many, many small problems and behaviours have been fixed in this version, but there are a few commonly-requested feature additions too.

- New right-click options allow you to open any message in a web browser, and to display the pictures in "lazy HTML" messages (improperly-formatted HTML messages that contain remote links instead of properly-embedded graphics). Internal jumps within HTML messages now also

work correctly.

- New controls have been added to the forwarding dialog allowing you to choose what level of message headers should be included in messages you edit before forwarding.
- System-wide addressbooks can now be modified by anyone with sufficient privilege to do so (in v4.01, system-wide address books could not be edited at all, only imported).
- You can now specify what colours Pegasus Mail should use to indicate folders that contain unread and recent unread mail.
- Based on extensive feedback, a number of small changes have been made to the preview mode view of your folders to make it more keyboard-friendly; in particular, the <Enter> key now opens messages, and <Ctrl+Space> can be used to page backwards in the preview.
- You can now select any text in a message, right-click and choose *Open as hyperlink*: Pegasus Mail will reassemble the text and pass it off to your web browser. This is especially handy for working with URLs that span multiple lines.

There are also over four hundred other small changes, fixes or additions - thank you to everyone who has taken the time to report problems to us - we hope we have found and fixed your favourite pet peeves. From here, work begins on v4.1, which is a major feature addition release, and which we hope to release late in 2002.

Pegasus Mail v4.01 (November 2001)

Pegasus Mail v4.0 is the culmination of nearly 18 months of redevelopment - practically no part of the program's user interface has not been modified and brought up-to-date in some way. The aim of the redevelopment process was to improve the usability, style and appearance of the program without sacrificing any of its proven reliability or personality.

The list of things that have actually changed is enormous, but the most visible highlights are:

- Vastly improved handling of HTML: Pegasus Mail can now display practically all HTML content, and can compose HTML messages containing tables, graphics, hyperlinks and more.
- Preview Pane mode for folders. You can now view your mail folders in a three-pane mode, much like Microsoft Outlook. Switching between preview mode and Pegasus Mail's "Classic" multi-window mode is done at the touch of a button.
- Powerful new message reader window. Pegasus Mail's message reader has been completely overhauled, especially in areas like Attachment handling and Annotations.
- Forwarding of mail has been totally overhauled, especially in the area of forwarding messages with attachments.
- Printing has been totally rewritten: Pegasus Mail can now print messages of arbitrary complexity, and a number of problems with printing in earlier versions have been fixed.
- New mail filtering options: We invented mail filtering in 1991, and now Pegasus Mail's mail filtering has been improved even further, with the ability to filter on message attributes. The filtering rule editor has also been completely overhauled and has a much more logical, consistent interface.
- New "Select" and "Incremental search" options for folders make it vastly easier to find and select

messages based on almost any criteria you can imagine.

- Automatic formatting: Pegasus Mail's editor can now correct common typos as you type, and can automatically create hanging indents and bulleted lists for you.
- Security has been tightened even further: although Pegasus Mail can now display HTML messages of almost any level of complexity, it remains immune to all the nasties that plague other mail programs. New content viewer options also protect you from inadvertently running dangerous or malicious files sent to you as attachments.
- Signatures have been completely reworked: you can now have fancy signatures with pictures and formatting in your HTML mail, and you can choose to have your signature included in the message at the time you compose it.
- Addressbooks have been redone with a brand new interface. There's also a new addressing centre, available while you compose your messages, which allows you to access your addressbooks, distribution lists and recently-used addresses all from within a single easy-to-use interface.
- The toolbars in the various windows can now be switched between Graphics-and-text, graphics-only and text-only modes, and support scrolling so you can still get at all the buttons even if you use narrow window sizes.
- The huge range of configuration options offered by Pegasus Mail have been consolidated and presented in a completely new preferences dialog that is much easier to navigate and use.
- Right-clicking a hyperlink in the message reader or preview window now offers a number of useful options for using the contents of that hyperlink.

... and this is really only the visible things; if you have previously used Pegasus Mail, you will probably be surprised how many new and useful things you find as you work your way into the program.

Pegasus Mail v4.0 is our platform for future development - it lays the foundations for a number of very important new features that will be introduced progressively during the latter part of 2001 and during 2002, including a calendaring and scheduling module, an incredibly rich new addressbook format, secure (encrypted) folders, support for SSL and S/MIME and much more. Please watch our web site, <http://www.pmail.com>, for information on these additions as they become available.

Introducing Mercury, Pegasus Mail's companion mail server

To complement your installation of Pegasus Mail, you might like to take a look at its companion mail server product, Mercury. Mercury is a full-featured mail server with support for all the most commonly-used Internet protocols.

The primary advantage of installing a mail server on your network is centralization: by passing all your mail through one central point of access, you gain much greater control over important issues like virus scanning, security, logging, content control, automatic replies and more. The combination of Mercury and Pegasus Mail offers particular advantages if you use a dialup connection to the Internet, because only the workstation running Mercury needs to be connected: Mercury handles the processing of incoming and outgoing mail on behalf of your Pegasus Mail users, removing the need for explicit Internet access on their workstations.

Like Pegasus Mail, Mercury is free software provided as a service to all Internet users. It offers a feature set comparable with or superior to any other mail server package available, and is small, fast and easy to configure and maintain.

For more information on Mercury and to download the software, please visit our web site, **<http://www.pmail.com>**.

Ordering manuals and technical support

Pegasus Mail is free software, provided as a general service to the broader Internet community: it has been made available this way, completely free, since 1990. The development process is, however, very expensive, and we depend on the loyalty and support of the program's users to fund its growth.

Our only source of income is selling licenses for manuals and technical support for the program. These licenses are optional - there is no obligation for you to purchase them, but we encourage you to consider doing so if you find that Pegasus Mail or Mercury serve you well. By purchasing a license, you both support the ongoing viability of the system, and also gain technical support and complete documentation for the programs - we think it's a "win-win" situation.

You can order support licenses for Pegasus Mail from within the program itself, by clicking on the "\$" button on the program's toolbar: this will open an extension with information on pricing, and links that will take you to our secure ordering pages. Alternatively, if you prefer, you can order online using the secure ordering facility at our web site,

<http://www.pmail.com/manuals.htm>.

Even if you opt not to purchase a support license, we have a number of automated support resources available both at our web site, and via e-mail - send any message to **<mailto:support@pmail.gen.nz>** to receive an automatic response describing those resources.

Where to find more information and help

Your primary source of information on Pegasus Mail and Mercury, its companion mail server product, is our web site, <http://www.pmail.com>. Please visit this site first.

You can also retrieve an automated response describing other support resources that are available to you by sending any message to

<mailto:support@pmail.gen.nz>.

This automatic reply lists the public newsgroups, mailing lists and FAQ ("Frequently-asked question") resources that are available to all Pegasus Mail users.

If you have previously licensed a manual for an earlier version of Pegasus Mail, you can get personal technical support under that license until the end of 2002 by sending a message describing your problem and containing your license number to

<mailto:tech-support@pmail.gen.nz>.

If you opt to take out a support license for Pegasus Mail, you will also gain access to personal technical support using details that will be provided to you at the time you purchase your license.

Using this installation and setup program

See also: [Helpful hints and tips for installation](#)

This program will install Pegasus Mail on your computer or Network file server. If you have previously installed a copy of Pegasus Mail, this program can update that installation for you, preserving all your existing mail folders, messages, addressbooks and other mail-related files.

Using the installation program is easy: simply click the "next" button to see each page, or "back" to move back through the pages you have already seen. You can do this as often as you like - no actual installation of any kind occurs until you click the "finish" button in the final page of the installation wizard.

The installer will ask you a couple of very simple questions - where you want to put the Pegasus Mail program files and whether or not you want entries added to your Windows "Start" menu for Pegasus Mail. If your computer is connected to a Novell NetWare local area network, the installer will also ask you if you would like to install special support for Novell NetWare.

You can terminate the installation process at any time by clicking the "Cancel" button in any of the Wizard's pages - Pegasus Mail will not be installed and your computer will be completely unchanged.

Upgrading a previously-installed copy of Pegasus Mail

See also: [Helpful hints and tips for installation](#)

If you have previously installed any version of Pegasus Mail on this computer, the setup program will detect that and will offer to upgrade the older version for you. You can choose either to do the upgrade, or else to install a completely fresh copy of Pegasus Mail. The setup program automatically fills in the installation directory with the location of your existing copy of Pegasus Mail - if you accept this directory, then setup will automatically do an upgrade for you.

If you choose to upgrade: The old version of Pegasus Mail will be updated to the new version; any existing shortcuts or start menu entries you already have will automatically run the new version, and all your mail folders, settings, addressbooks and other files will be preserved and recognized automatically by the new version. The only down side is that if for some reason you find you need to go back to the old version of Pegasus Mail, you will have to find and reinstall it again.

If you choose a fresh installation: A completely new and separate copy of Pegasus Mail will be installed on your computer. It will not automatically see your existing mail files or settings, and can be set up with completely different users if you wish. You *can* tell the new version to use your existing mail files by giving it the same mailbox directory as your existing copy the first time you run it - doing this is a way of keeping the old version of the program around in case you need it later, but it does require that you correctly enter the same settings you used for your original installation. The downside of of this approach is that your web browser can only use one of the versions of Pegasus Mail on your system when you click a mailto: link in a web page - usually the version you most recently installed.

Note: Setup will automatically detect the copy of Pegasus Mail you have most recently run; if you have multiple copies of Pegasus Mail installed on your system, you can select any directory where an installation already exists and setup will correctly update that installation.

Entering the basic installation settings

See also: [Helpful hints and tips for installation](#)

To install a completely fresh copy of Pegasus Mail, you need to tell the setup program where you would like it to place the Pegasus Mail program files. The default location is a directory called "Pegasus Mail" in your "Program Files" directory, but you can install Pegasus Mail anywhere you wish, including shared volumes on other computers and on file servers.

You can tell the setup program where to place the files in one of two ways: if you would like it to create a new directory for the files, simply type in the full pathname of that directory. Alternatively, if you would like to install Pegasus Mail in a directory that already exists on your computer, click the "Browse" button then use the standard Windows navigation dialog to choose the directory where the files should be placed.

It is important to note that you are only indicating where the Pegasus Mail *program files* should be installed in this page: your mail folders, settings and other mail-related data files can, and almost always will be located in a different place, either on your computer or on a shared volume on a network. The location of your mail-related data files is selected the first time you run Pegasus Mail itself.

Please note: We do not recommend installing Pegasus Mail into the standard Windows "Program files" directory because of problems that creates in sharing the program between multiple users on Windows NT, 2000 and XP workstations. Our recommendation is that you install Pegasus Mail into C:\PMAIL.

Other installation options

Start menu entries The setup program can create a group on your Windows "Start" menu containing shortcuts to the Pegasus Mail programs. If you would like it to do this (and we strongly recommend it), check the control labelled *Create 'Start menu' shortcuts for Pegasus Mail* (this control is checked by default). The shortcuts are created in a group called (unsurprisingly) *Pegasus Mail*.

Using Pegasus Mail for web 'mailto:' links If you check this control, Pegasus Mail will add some settings to a special Windows database called the "Registry" that will allow Internet Explorer to invoke Pegasus Mail when you click on a mailto: link (an e-mail address) in a web page. Checking this control also allows Pegasus Mail to be used as a target for the Windows Explorer "Send To" command.

Create a Pegasus Mail icon on the desktop Check this control if you would like Setup to create an icon for Pegasus Mail on the Windows desktop.

Pre-configure a user mailbox Setup installs the Pegasus Mail program, but your mailboxes and initial set of Pegasus Mail users are normally not created until the first time you run the program. If you check this control, Setup will create a mailbox directory and an initial user (called *Admin*) for you, which will allow you to get running with the program more quickly. You can create other Pegasus Mail users at any later stage by selecting *User management* from the Pegasus Mail *Addresses* menu. If you uncheck this option, Pegasus Mail will go through its normal mailbox creation process the first time it runs. If you are a new Pegasus Mail user, or if you like things to be as simple as possible, we strongly recommend that you check this control.

Roaming mode This advanced option should be used whenever Pegasus Mail and the user mailboxes it services reside on the same physical drive. What it actually does is add a special Pegasus Mail command line switch, *"-roam"*, that tells the program to ignore the configured drive letter for mailbox directories and to assume that they are located on the drive from which it has been run. This is enormously useful in Windows Server and Peer-to-Peer network environments where you may want to run the same copy of Pegasus Mail in situations where different drive letter mappings may exist (for example, when running the same copy of the program both on the server and on the workstations it serves). It also allows you to run a complete installation of Pegasus Mail on a memory stick, and have it work no matter what system you plug the memory stick into. This setting is ignored in either of the Novell NetWare operating modes.

Pegasus Mail and Novell NetWare

See also: [Helpful hints and tips for installation](#)

Pegasus Mail has extensive support for Novell NetWare local area networks. If the setup program detects that you have installed a valid Novell Workstation client on your computer, it will offer to install a NetWare support module for you. Pegasus Mail has two slightly different modules for Novell NetWare:

NetWare 3.x ("Bindery mode") This module uses the Novell Bindery database to lookup user names and work out the location of mailboxes. In this mode, no further configuration of Pegasus Mail is required - existing NetWare directories and structures are used, and you can begin running Pegasus Mail to send mail between users on your file server as soon as the setup program is finished. You can use this mode with NetWare 4.x, 5.x, and 6.x file servers, since they also emulate the NetWare 3.x Bindery, but we do not recommend this - the emulation offered by Novell has a number of serious problems that limit its usefulness.

NetWare 4/5/6 ("NDS mode") This module uses the native NDS database present on NetWare 4.x, 5.x and 6.x file servers to lookup usernames. Unfortunately, in NDS mode, NetWare does not automatically create mailbox directories for users the way it does in "Bindery mode": instead, you have to use a utility provided with Pegasus Mail called NCONFIG to create mailboxes for your users. Until you have used NCONFIG to create a mailbox for a user, that user can neither send nor receive e-mail using Pegasus Mail. In general, though, NDS mode is very powerful, since it allows you to have multiple different configurations of Pegasus Mail for any organizational unit within your NDS tree. While a small amount of extra configuration is required in NDS mode, we strongly recommend that you use it when running on NetWare 4 or later networks.

Standalone mode You can choose *not* to install Pegasus Mail's NetWare support even if you are using a Novell NetWare LAN: in this case, the program will behave in exactly the same way as it would if you installed it on a single computer or a Windows network. This approach can be useful if you only want to make e-mail available to a small subset of your users.

Mixing modes You cannot mix Bindery and NDS modes: Bindery mode users cannot mail to NDS mode users or vice-versa, unless you use a standards-based gateway such as Pegasus Mail's companion mail server, the [Mercury Mail Transport System](#).

Microsoft NetWare Client software Although Microsoft include a workstation client for Novell NetWare networks with each copy of Windows, it is a poor product and does not include proper support for 32-bit NetWare applications like Pegasus Mail. To run Pegasus Mail (or any other 32-bit NetWare-aware application, for that matter), you must install genuine Novell Workstation client software - this software will have been provided with your copy of NetWare, and can also be found at Novell's web site, <http://www.novell.com>.

Ready to install Pegasus Mail

See also: [Helpful hints and tips for installation](#)

Setup now has all the information it needs to complete a successful installation of Pegasus Mail on your computer. Click the "Finish" button to begin the installation process.

If you have chosen to upgrade an existing copy of Pegasus Mail, you will be able to run the new version immediately, using whatever existing shortcuts you have previously used.

If you have done a new installation of Pegasus Mail, then the program may ask you a few questions to complete the setup process the first time you run it.

If you click the "Cancel" button at this point, the setup program will exit and no installation will take place - your computer and system will be completely as it was before you ran the setup program.

Hints and Tips for using Pegasus Mail on a Network

See also: [Pegasus Mail and Novell NetWare](#)

Pegasus Mail was designed from the ground up as a fully-networkable program, the idea being that you would install a single copy of the program on a file server or shared drive and all users would run the program from there. Not only does this greatly simplify maintenance, but when the program is installed in this fashion, your users can automatically send mail to each other without the need for any further gateways or delivery programs.

If you are using Novell NetWare, then Pegasus Mail has specific support for your network, and is completely NetWare-aware: [click here](#) to go to the help page that describes the program's NetWare support features.

If you run a network other than Novell NetWare, then the remainder of this page contains information you should read. Pegasus Mail has been tested and works well on Windows Server 2000, Windows Server 2003, Windows Peer-to-Peer workgroups, and Samba servers. Other networking environments that support shared volumes should also work.

Installation assumptions

The default Pegasus Mail setup assumes that the Pegasus Mail program files and mail directories are all stored on the same networked volume or local hard disk (for instance, "G:"). While it is possible to have the program files and mailboxes on different volumes, this typically requires rather more work to set up. We strongly recommend that you store the program files and mailboxes on the same volume.

Workstation Setup

During installation, Pegasus Mail Setup installs a program called [WSSetup.exe](#). This program should be run once from each workstation on your network, to perform any or all of the following actions:

- Create a Pegasus Mail desktop icon
- Create a Pegasus Mail *Start Menu* program group.
- Register Pegasus Mail as the default mail program for MAILTO: links
- Register Pegasus Mail in the Windows *Send To* menu.

The program is very simple to use - a single screen with four checkboxes and an optional username field.

Security

When running in non-NetWare environments, Pegasus Mail assumes that security and privacy issues will be handled by the administrator - it does not automatically provide any security of its own. If your network allows you to tailor the access rights of your users, then you should allow each user full access to his or her own mailbox directory on the server. If you want the program to handle local delivery on its own, then all users must also have the ability to create files in other users' mailbox directories, although they need not necessarily have rights to open or read from existing files. If you do not need Pegasus Mail to handle local delivery, or if you are running the program's companion mail server, Mercury (which can do the local delivery for you) then users do not need any rights in other users' mailbox directories.

