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Viewing on a Terminal

This document includes overstrikes for printing on a printer. To read this document on-line, extract the program NOVRSTRK from the optional programs archive and issue the following command;
NOVRSTRK README.PRN README.TXT

You can then browse the terminal ready version of the document, README.TXT.

Revision

This is the 111th revision of this document, and applies to version . This was last updated on by . Even if you have read previous versions of this document, this file, **CHANGES.PRN**, and **FILES.LST** should be reviewed for updates.

Overview

Greetings from !

is a PC based version (and pun of) UUCP (UNIX-to-UNIX copy). allows a MS-DOS or OS/2 based Personal Computer to exchange mail and files with a UNIX system or other system over dial up or dedicated phone lines using the UUCP "g" protocol.

Introduction

This document provides information on version , produced by with contributions from around the globe. is based on the free widely distributed interim version of UUCP, version 1.05, written by Stuart Lynne, Richard H. Lamb, and Samuel Lam, in Vancouver, BC. The MS-DOS version of UUCP is no longer maintained in Vancouver; is the official current release of UUCP. The differences between and UUCP version 1.05 include user aliases, routing to multiple hosts, dial in support, limited domain address parsing and routing, OS/2 support, and various improvements in the user interface. Because of these changes, much of what is contained in this document does not apply to the original UUCP 1.05 package.

is written in C, and compiles with Borland C++ 2.0 under MS-DOS or with Microsoft C 6.0 under DOS or OS/2, with one additional module in 8086 Assembler (MASM) for the MS-DOS versions. The documentation was originally written in a derivative of the SCRIPT document composition language, and is being translated into Microsoft Word for Windows 1.1 as time allows.

Minor revisions to are denoted by changes to the letter suffix on the version number. Minor revisions include only those changes, no matter how great, that allow the user to return to a previous release of by at most updating the configuration file. Major revisions to are denoted by a change in the number of the version; a major revision has changes in it which introduce a permanent incompatibility with the previous release. Major revisions to date include:

1.07a, which added binary separators between items of mail in a mail box, and was released October 1989. Various revisions of release 1.07 added routing mail to multiple hosts, the reply command, user aliases, the ability to include mail in replies, and dial in support for remote multiple systems.

1.08a, which changed the internally generated names of files waiting to be transmitted to other systems. This was done to avoid file name collisions with incoming files from UNIX systems, and was released September 1990.

1.09a, which again changed the internally generated names of files waiting to be transmitted to other systems to correct an error in 1.08a, and was released October 1990. Various revisions of 1.09 also added validation of local addresses, a more powerful command parser for reading mail, forwarding mail to multiple addresses, optional delivery of mail to separate directories, and improved performance under Windows 3.0 enhanced mode.

1.10a, which added the ability to configure for and use any modem; this changed the format of the SYSTEM configuration file. This version was released in April of 1991, and also added a UUCP command, support for routing mail based on wildcard domains, mail gateway support, and bi-directional file transfer support.

1.11a again changed the internally generated names of files waiting to be transmitted to other systems, and was released June of 1991. Revisions of 1.11 also added the UUSTAT and UUSUB commands, security, ability to automatically set the system clock, anonymous UUCP, optional mailbox extensions, automatic mailbox backup, and mailbox update integrity checks.

For a full description of the changes to and how they affect upgrading from one release to the next, see **CHANGES.PRN** included in this package. It should be duly noted that there is no version 1.24b at this time. A user was having nightmares in which she didn't have version 1.24b and everyone else did . . .

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Additional thanks go to Harry Broomhall, Harald Boegeholz, John DuBois, Edward Keith, Phillip Meese, Dave Platt, Mike O'Carroll, Cliff Stanford, Wolfgang Tremmel, Dave Watt, and Katherine Williams.

Honorable mention goes to Snuffles P. Bear, who says to please send chocolate. Warm thanks to Russell Nelson, who, among many other services rendered, did so.

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System requirements

The following is required to set up a PC to use :

An IBM-PC or compatible system with at least 386K of RAM.
 A modem connected to a telephone line.
 One megabyte of free space on your hard drive. This provides space for the executables, the documentation, configuration files, and mail received.

Required reading

Instructions on installing are in INSTALL.PRN. Instructions on using the programs are in COMMANDS.PRN and MAIL.PRN.

This document and its companions supplied with only provide an overview of the software. The average person wishing to set up will require a reference, such as *Managing UUCP and Usenet*, part of the Nutshell Handbook series by O'Reilly and Associates. This book, while not specifically addressing , includes detailed information on:

 Required Electronic Wonderworks has no connection with O'Reilly and Associates. However, both of these books are on the bookshelf here.

Format of the SYSTEMS file
 These are available from PERMITSN bookstore or software house, call them at 1-800-338-NUTS, or send them electronic mail at nuts@ora.com.

Information on debugging login scripts
 Information on registering your site with various networks

For using , the Nutshell Handbook *Using UUCP and Usenet* will be helpful; it includes a description of the various end user commands such as UUSTAT and UUCP, topics which are not covered in detail in this documentation. Information on these commands is also available by reading the manual pages for these commands on a real UNIX system.

Note: The MAIL command is not compatible with most UNIX mail programs, and does come with its own help file, MAIL.PRN.

Special Notes

Previous versions of documented a mail server on omnigate.clarkson.edu at Clarkson University which would test your mail address by echoing your mail back to you. **This server is no longer available, and mail should not be sent to it.**

In addition, previous versions of also included a file called **simtel.inf** which documented a mail server for retrieving files via FTP at Princeton University; like the server at omnigate, **this server is no longer available, and mail should not be sent to it.**

Questions and Answers

- Q. Does support news?
 A. Not at this time. Please do NOT send mail on this subject, as support will be announced when available. If you need news support in the present tense, try the shareware packages WAFFLE or FSUUCP.
- Q. UUPOLL takes over my entire system when it runs; can I run it under DOS and still use the system?
 A. No, but you can run it under MS-Windows 3.0 in 386 enhanced mode, or under OS/2. DESQView should also work.
- Q. It takes forever for the system to recongize a busy signal on the other end. What can I do?
 A. Not much, except use Windows or OS/2 to let your system multitask. is designed to run unattended, and uses a simple input scanner to determine if the connection has been made to reduce CPU contention on a multi-tasking system; it is not designed for fast interactive response. If you need to watch the system because you have to re-dial after a busy signal, run UUSTAT with the -P option to create a dummy poll file, and then run UUPOLL with a very short poll interval and a target system of 'any' so that it keeps trying until UUCICO gets through.
- Q. Can support multiple users on one system?
 A. Yes. Each user should have an entry in the PASSWD file (described above) and a copy of PERSONAL.RC under a unique name in the configuration directory; to switch the active user, a short command file similar to the sample SU.BAT file provided can be used to change the active user. cannot prevent users from reading other user's mail or mail queued for another system. This is an MS-DOS restriction.
- Q. will connect but will not exchange data with a UNIX system; what's wrong?
 A. Any number of things, which is why you should seek additional information from either an UNIX guru or the Nutshell Handbooks. However, one hint is that any programs communicating via the UUCP "g" protocol must have a clean eight bit connection; a seven bit even parity connection or connection with flow control will ruin your whole day. If you can login as a normal user to the remote system, you can use the STTY command to determine the parity and flow control settings.
- Q. After picks up my mail, UUXQT tries to deliver it and fails with a message "PERMISSION DENIED". What's wrong?
 A. A good chance is that UUXQT cannot find RMAIL. Any program invoked by UUXQT must be a .COM or .EXE file and must be in the path. Placing a command in the directory UUXQT is invoked from is not enough, because UUXQT changes directories as it runs.
- Q. Why doesn't come with better documents?
 A. was originally maintained for low-cost communications between and the outside world; it was given away to the unsuspecting public because that is how it was originally received. We are in the process of updating the documents by both correcting errors and omissions to existing topics and covering additional topics. Please submit comments on suggested changes of general interest to help@kew.com.
- Note:** When submitting documentation suggestions, please be specific as possible; for example, suggesting that more examples of the PERMISSN file is needed will not gain as much attention as suggesting an example of using LOGNAME= for an anonymous host in the PERMISSN file.
- Q. is wonderful, but it doesn't run on my (insert non-IBM compatible platform here).
 A. While the original UUPC was targeted for both the Mac and Atari-ST into addition to the IBM, but only supports the MS-DOS and OS/2 environments. Conact Dave Platt <dplatt@snulbug.mtview.ca.us>, on

Which is to say, it was free and we were unsuspecting.

where to find his version of UUPC for the Macintosh. There are no known reliable sources for UUPC for the Atari-ST.

Q. Who is kendra?

A. Kendra means "womanly knowledge" in Old English.

kendra actually is an 80286 based Epson Equity III+ running MS-DOS 5.0 and (once in a great while) OS/2 1.30.1 Standard Edition; her modem and hostname are shared with her little sister pandora, a Leading Edge Model M, so kendra sometimes borrows the name of her other sibling, a mostly retired Zenith Z-100 named the Fantasy Factory.

Q. And ?

A. The Wonderworks is made up of kendra, Drew, Snuffles, Katherine, a PO Box, a filing with the local town clerk, and about 800 hours put into over two years.

Mailing List

A electronic mailing list, uupc-info@sun.soe.clarkson.edu, is open to those interested in ; to join it, send a command of the following format in the body of a e-mail message to listserv@sun.soe.clarkson.edu:

add user@node uupc-info

Where **user@node** is the Internet format of your address. (UUCP addresses are not accepted by the List Server; such addresses must be specified as an address via a major gateway such as UUNET.) The List Server also accepts the command:

help

To resign from the mailing list, send mail to the List Server of the following format:

delete user@node uupc-info

Note: Do not send requests to be added or deleted to uupc-info@sun.soe.clarkson.edu; mail sent to this address is automatically forwarded to all users on the list. Questions of an administrative nature which require human attention should be directed to uupc-info-request@sun.soe.clarkson.edu.

Since any undeliverable addresses cause mail to be bounced to the list administrator, the administrator reserves the right to drop any user from the list for whom mail is rejected. In many cases, the user will not be notified, since the mail to notify the user will bounce for the same reason the address was deleted in first place.

Registering

It is now possible to register ; see the enclosed **register.prn** for details.

Problems

Please report problems with this version of via electronic mail to help@kew.com. If you are unable to reach via electronic mail, mail your problem report to:

Drew Derbyshire - Help Desk
Kendra Electronic Wonderworks
Post Office Box 132
Arlington, MA 02174-0002

Please include with your problem description listings of the files which apply, including:

UUPC.RC
PERSONAL.RC
SYSTEMS

Directory of your UUPC configuration directory.

A log of the applicable program execution, if any. Both UUCICO and RMAIL automatically write logs into the spool directory.

Note: Passwords and userids can and should be changed in the SYSTEMS file.

No claim is made that the problem will be corrected, or the person reporting the problem will be supplied a copy of the corrected code, but reasonable efforts will be made to correct the program. The Wonderworks does not provide formal telephone support to unregistered users. Questions related to support of news software for should be directed to help@kew.com. Registered users will be provided an update when a fix becomes available if they explicitly request it. See **register.prn** for details.

October 29, 1991

Overview

PLEASE read the Nutshell handbooks before sending mail.