

Table of Contents

Table of Contents.....	1
Viewing on a Terminal.....	2
Revision.....	2
Copyright and related credits.....	2
Warranty Information.....	4
Overview.....	4
Introduction.....	4
Who Should Use This Program.....	5
System Requirements.....	6
Error! Cannot open file.Required reading.....	6
Special Notes.....	7
Mailing List.....	7
Registering.....	7
Problems.....	8
Questions and Answers.....	8

September 4, 1992

Overview of UUPC/extended 1.11r

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 UUPC/extended 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 133rd revision of this document, and applies to UUPC/extended version 1.11v. This was last updated on September 4, 1992 by Katherine E. Williams. Even if you have read previous versions of this document, this file and CHANGES.PRN should be reviewed for updates.

Copyright and related credits

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```
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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, and Dave Watt.

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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September 4, 1992

Overview of UUPC/extended 1.11r

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September 4, 1992

Overview of UUPC/extended 1.11r

Warranty Information

This software is distributed on a "as-is" basis, without any warranty, expressed or implied. Use of this software and the associated documentation is at your own risk.

Overview

Greetings from Kendra Electronic Wonderworks!

UUPC/extended is a PC based version (and pun of) UUCP (UNIX-to-UNIX copy). UUPC/extended is a program which implements peer-to-peer networking for using the UNIX UUCP protocols. MS-DOS or OS/2 based Personal Computers using these protocols can exchange mail and files with a UNIX system or other UUPC/extended system over dial up or dedicated phone lines.

Introduction

This document provides information on UUPC/extended version 1.11v, produced by Kendra Electronic Wonderworks with contributions from around the globe. UUPC/extended is based on the free widely distributed interim version of UUPC, version 1.05, written by Stuart Lynne, Richard H. Lamb, and Samuel Lam, in Vancouver, BC. The MS-DOS version of UUPC is no longer maintained in Vancouver; UUPC/extended 1.11v is the official current release of UUPC. The differences between UUPC/extended and UUPC 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 UUPC 1.05 package.

UUPC/extended 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 is written using Microsoft Word for Windows 2.0.

Minor revisions to UUPC/extended 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 UUPC/extended by at most updating the configuration file. Major revisions to UUPC/extended 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.

For a full description of the changes to UUPC/extended and how they affect upgrading from one release to the next, see CHANGES.PRN included in this package. It should be duly noted

September 4, 1992

Overview of UUPC/extended 1.11r

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 . . .

Who Should Use This Program

As mentioned above, **UUPC/extended** is a peer-to-peer networking program: your local system and systems it communicates with are on an equal footing in that in general the capabilities and access of the systems are symmetrical. You must have complete control over and be responsible for your own system. Compare this to a client-server set-up such as when you dial-in to a central mainframe or Bulletin Board System on which the System Operator handles the administration (and restricts your access).

One application for **UUPC/extended** is to provide remote access to a private system or small network, for example allowing a laptop machine access a single remote PC or UNIX system. This requires very little overhead, and may be used for connections needed for just a few days.

A more common use for **UUPC/extended** is to provide dial-up e-mail access to public networks such as the UUCP network and/or the Internet. When **UUPC/extended** is used for this purpose then you, as the system administrator, will be responsible for keeping up your own system as a member of the global network community. Related duties include making sure your system calls other systems regularly (including when you are not around), monitoring your links to other systems, registering your system with a central authority such as the UUCP Project and/or the Internet Network Information Center, and other long term tasks.

Because of these tasks, not all people should use a program such as **UUPC/extended** for general e-mail access; a good rule of thumb is if you do not receive more than one e-mail message a week or do not require e-mail access for more than six months, then you should consider a commercial service such CompuServe, MCI Mail, ATT Mail, or others over setting up **UUPC/extended**. This reduces the set-up work required on your part and avoids the problems associated with registering and de-registering your system, leaving the system running during absences, and the like.

UUPC/extended should also be avoided if your primary interest is in a server which allows downloading files to other personal computers which do **not** have **UUPC/extended** or some other UUCP program. The UUCP protocols are not compatible with the protocols (Xmodem, Kermit, etc.) included with most PC terminal emulators, and **UUPC/extended** security is oriented towards a pre-defined list of known systems calling in regularly. Use a BBS program instead in such cases.

Finally, **UUPC/extended** should be avoided if you lack the resources, financial or otherwise, to support the program.

September 4, 1992

Overview of UUPC/extended 1.11r

Installing the program does require some experience in setting up complex systems or a willingness to learn via associates or books. Trying to do so with no experience and no resources (such as the Nutshell handbooks discussed below) can cause pain and suffering for a very important person-- you.

System Requirements

To install UUPC/extended, you'll need the following:

Error! Cannot open file.Required reading

Read INSTALL.PRN now for installation and upgrade instructions. Users of previous versions of UUPC/extended should also read CHANGES.PRN for a summary of changes in the current release. Instructions on using the programs are in COMMANDS.PRN, MAIL.PRN, and UUSTAT.PRN.

This document and its companions supplied with UUPC/extended only provide an overview of the software. The average person wishing to set up UUPC/extended will require a reference such as Managing UUCP and Usenet, part of the Nutshell Handbook series by O'Reilly and Associates.^{1,2} This book, while not specifically addressing UUPC/extended, includes detailed information on:

- Format of the SYSTEMS file
- Format of the PERMISSN (permissions) file
- Information on debugging login scripts
- Information on registering your site with various networks

For using UUPC/extended, 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.

¹Kendra Electronic Wonderworks has no connection with O'Reilly and Associates. However, both of these books are on the bookshelf here.

²These are available from your local bookstore or software house, call them at 1-800-338-NUTS, or send them electronic mail at nuts@ora.com.

September 4, 1992

Overview of UUPC/extended 1.11r

Special Notes

Previous versions of UUPC/extended 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 UUPC/extended 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.

Mailing List

A electronic mailing list, uupc-info@sun.soe.clarkson.edu, is open to those interested in UUPC/extended; 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 causes 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 UUPC/extended; see the enclosed REGISTER.PRN for the cost and benefits of registering.

September 4, 1992

Overview of UUPC/extended 1.11r

Problems

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

Drew Derbyshire - UUPC/extended 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 UUPC/extended 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 code³, 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 UUPC/extended should be directed to uupc-news@kew.com.

PLEASE read the Nutshell handbooks before sending mail.

Questions and Answers

The following is a list of general questions and answers about UUPC/extended; for additional questions related to installing UUPC/extended and general trouble shooting, also see the Question and Answer section in the INSTALL.PRN.

Q. Does UUPC/extended support news?

A. In part. The RNEWS distributed with UUPC/extended now correctly decompresses and delivers local news to

³Registered users will be provided an update when a fix becomes available if they explicitly request it. See register.prn for details.

September 4, 1992

Overview of UUPC/extended 1.11r

directories based on the news group name, but the news reader (a port of the UNIX program RN) is still in development.⁴

- 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.x in 386 enhanced mode, or under OS/2. DESQView should also work. At the Wonderworks, kendra uses OS/2 2.0, and athena uses Windows 3.1.

Note: Be sure to enable the option **multitask** if you run UUPC/extended in the background.

- Q. It takes forever for the system to recognize a busy signal on the other end. What can I do?
- A. Make sure your modem file includes the **NoConnect** variable to document the strings your modem uses to report failures in the dialing sequence; also consider enabling the option **CarrierDetect** in your modem file.
- Q. Can UUPC/extended 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 UUPC/extended 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. UUPC/extended cannot prevent users from reading other users' mail or mail queued for another system. This is an MS-DOS restriction.

- Q. Why doesn't UUPC/extended come with better documents?
- A. UUPC/extended was originally maintained for low-cost communications between **Kendra Electronic Wonderworks** and the outside world. It was given away to the unsuspecting public because that is how it was originally received.⁵ 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 docs@kew.com.

Note: When submitting documentation suggestions, please be specific as possible; for example, suggesting that more

⁴The news support was originally promised for the end of 1991. We admit it, the schedule got blown.

⁵Which is to say, it was free and we were unsuspecting.

September 4, 1992

Overview of UUPC/extended 1.11r

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. UUPC/extended 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 **Kendra Electronic Wonderworks** only supports the MS-DOS and OS/2 environments. Conact Dave Platt <dplatt@snulbug.mtview.ca.us>, on 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. Actually, that is correctly "What is kendra?" Kendra means "womanly knowledge" in Old English.

kendra originally was an 80286 based Epson Equity III+ running MS-DOS 5.0 and using a second 8088 system as a front end. During May of 1992, she was upgraded to a Northgate 386/40 running OS/2 2.0. Her sibling, Katherine's system athena, is a Northgate 386/33.

Q. And Kendra Electronic Wonderworks?

A. The Wonderworks is made up of kendra, athena, Drew, Snuffles, Katherine, a PO Box, a filing with the local town clerk, and about 900 hours put into UUPC/extended over three years.

Q. I want users to be able to login and read their mail on my system. Since I can't use COMMAND.COM, what shell should I specify for them?

A. Right idea, wrong question. UUPC/extended is not designed for remote user login; rather, it is designed to allow routing mail among multiple peer sites, so set up each user as his/her own node. This gives each user all the tools of his/her own system when composing mail, and UUPC/extended keeps the time spent on-line to a minimum.

Q. Why does Snuffles want Chocolate?

A. Because Chocolate is happy food. Snuffles is a very happy bear. However, ever since someone sent her 18 pounds of chocolate, she now looks for donations to the Chocolate Ice Cream Fund instead. This leaves us more room in the freezer for more mundane groceries.

Note: Snuffles does still accept Girl Scout Thin Mints.