

- Both the VAX (DECsystem) and DEC RISC (DECstation) versions of the ULTRIX Version 4.2 /usr/bin/mail binary, may be obtained by contacting your Digital Services Support Organization.

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- (1) This procedure will replace your existing /usr/bin/mail binary using the /usr/bin/mail binary from the ULTRIX Version 4.2 MUP distribution. The procedure below describes the method to extract the binary from the tape media.

NOTE:

Setting the environment to single user mode will prevent possible disruption of the mail services.

To update an ULTRIX Version 4.1 system, you must first obtain the ULTRIX Version 4.2 binary of /usr/bin/mail for your computer's architecture from your ULTRIX Version 4.2 distribution tapes.

LOAD THE ULTRIX MANDATORY UPGRADE TAPE ON YOUR ULTRIX Version 4.1 SYSTEM.

(Note: UDTBASE421 will provide the RISC base upgrade, ULTBASE421 will provide the VAX base upgrade mail file. Substitute as necessary for your architecture.)

(ISSUE THE FOLLOWING COMMANDS FROM YOUR ULTRIX Version 4.1 SYSTEM)

(BECOME ROOT - YOU MUST HAVE PRIVILEGES TO MAKE THIS UPDATE.)

% su

(cd TO SOME DIRECTORY THAT YOU CAN PUT THE FILE IN TEMPORARILY, e.g. cd /tmp)

cd /tmp

(NOTE: YOU WILL NEED APPROXIMATELY 2 MB of DISK SPACE)

mkdir ./usr
mkdir ./usr/etc
mkdir ./usr/etc/subsets
setld -x /dev/nrmt0h {UDTBASE421 or ULTBASE421}

(LIST THE SUBSET, CREATE THE FILE UDTBASE421 or ULTBASE0421, THEN EXTRACT)
(THE MAIL FILE /usr/bin/mail {NOTE} THIS EXAMPLE USES THE "RISC" SUBSET)

ls
mv UDTBASE421 UDTBASE421.Z
zcat UDTBASE421.Z | tar xvf - ./usr/bin/mail

(MOVE THE ULTRIX V4.2 BINARY TO /usr/bin/mail CHANGE PROTECTION, OWNER etc.)

cd /usr/bin
mv mail mail.old
chmod 600 mail.old
mv /tmp/usr/bin/mail .
chown root mail
chgrp kmem mail
chmod 6755 mail

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- (2) To update the /usr/bin/mail binary from an existing V4.2 (similar platform (VAX or RISC)) remote node, copy the file to your system and store it in a temporary location (e.g., - /tmp/mail). The procedure below provides an example using DECnet. Use the copy command that fits your environment to copy the /usr/bin/mail binary from a remote node to the /tmp directory on your local system.

NOTE:

Setting the environment to single user mode will prevent possible disruption of the mail services.

% dcp -iv {remote-nodename}/{username}/{password}:' /usr/bin/mail' '/tmp/mail'

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( ISSUE THE FOLLOWING COMMANDS FROM YOUR ULTRIX Version 4.1 SYSTEM )

( BECOME ROOT - YOU MUST HAVE PRIVILEGES TO MAKE THIS UPDATE. )

% su
# cd /usr/bin
# mv mail mail.old
# chmod 600 mail.old

( MOVE THE ULTRIX V4.2 BINARY TO /usr/bin/mail CHANGE PROTECTION, OWNER etc.)

# mv /tmp/mail /usr/bin/mail
# chown root mail
# chgrp kmem mail
# chmod 6755 mail
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End of Digital Equipment Corporation Document.
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The CERT/CC would like to thank Tsutomu Shimomura for his assistance and
Digital Equipment Corporation for their response to this vulnerability.

If you believe that your system has been compromised, contact CERT/CC via
telephone or e-mail.

Computer Emergency Response Team/Coordination Center (CERT/CC)
Software Engineering Institute
Carnegie Mellon University
Pittsburgh, PA 15213-3890

Internet E-mail: cert@cert.org
Telephone: 412-268-7090 24-hour hotline:
CERT/CC personnel answer 7:30a.m.-6:00p.m. EST,
on call for emergencies during other hours.

Past advisories and other computer security related information are
available for anonymous ftp from the cert.org (192.88.209.5)
system.

-----BEGIN PGP SIGNATURE-----

Version: PGP for Personal Privacy 5.0
Charset: noconv

iQA/AwUBOBS9olr9kb5qlZHQEQLgCgp4M38t8IhxDimRUWiFuvu/d4THMANA/7
GpHbCPkVWGU57MqqBEotBsK2
=w1Q3

-----END PGP SIGNATURE-----