Commercial Mail Relay (CMR)

Address:
Commercial Mail Relay
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Description

The Commercial Mail Relay service currently provides mail relay functions between the Internet and three commercial electronic mail systems: Telemail, MCI-Mail, and DIALCOM systems (IEEE-Compmail, NSFMAIL, and USDA-MAIL).

To send mail via the Commercial Mail Relay users on each system use their normal mail programs to prepare, send, and receive messages. Messages to be forwarded are sent to the CMR mailbox called ‘‘Intermail’’ on the local mail system. The CMR operates by having a program service mailboxes in both the local and the destination mail systems. When the right information is supplied either in the ARPA-Mail header ‘‘TO’’ field, at the beginning of the text of a message, the program forwards those messages into the other mail system.

The Simple Forwarding Header (SFH) method of addressing mail for each system follows. First send a message to ‘‘Intermail@ISI.EDU’’, and use one of the SFHs in the body of the text.

a. Forward: TELEMAIL
   To: [user/org]system/country
   <blank line>

   Begin text of message here.

b. Forward: COMPMAIL
   TO: CMP0123
   <blank line>

   Begin text of message here.

c. Forward:NSFMAIL
   TO: NSF0123
   <blank line>

   Begin text of message here.

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d. Forward: USDAMAIL
TO: AGS786
<blank line>

Begin text of message here.

e. Forward: MCIMAIL
TO: 198-7654
<blank line>

Begin text of message here.

For Telemail, and the Dialcom systems, we have added a feature, of simply typing the Commercial Mail mailbox in the ARPA-Internet header.

TO:[user/organization]system/country%Telemail@INTERMAIL.ISI.EDU
TO: CMP765%compmail@INTERMAIL.ISI.EDU
TO: NSF765%nsfmail@INTERMAIL.ISI.EDU
TO: AGS765%usdamail@INTERMAIL.ISI.EDU

In order for a message to be delivered from one of the commercial mail systems to a mailbox in the ARPA-Internet Mail system, you must first send mail to the CMR mailbox of that system, then add the Internet forwarding information at the beginning of the text of each message.

The CMR mailbox address in each system is:

Telemail: [Intermail/USCISI]TELEMAIL/USA
MCI-Mail: Intermail or 107-8239
CompMail: Intermail or CMP0817
NSF-Mail: Intermail or NSF153
USDA-Mail: Intermail or AGS9999

For example, to send a message from Telemail to an ARPA-mailbox this format is used.

To: [INTERMAIL/USCISI]TELEMAIL/USA
Subject: Test Message Number 1

Forward: ARPA
To: user@host.domain

For detailed instructions on how to use the Commercial Mail Relay (CMR) send a message to ‘‘intermail-request@intermail.isi.edu’’.

Network Access

CMR is a UNIX based system, using the MMDF mail software. Any IP/TCP organization may access CMR. See restrictions below.

Who Can Use the CMR Gateway

The requirement for using CMR is that the work conducted must be DARPA sponsored research or other US government approved business (or otherwise meet the acceptable use policy of DARPA,) only.

However, DARPA as a member of the Federal Research Internet Coordinating Committee (FRICC) has agreed to the (draft) policy for communication networks that provides (in part) that: ‘‘the member agencies of the FRICC agree to carry all traffic that meets the acceptable use policy of the originating member agency.’’

Thus, e-mail messages (i.e., ‘‘traffic’’) that meet the acceptable use policy of an agency and pass through some facility of that agency (i.e., ‘‘the originating member’’) on the way to Inter-mail or CMR are allowed. The current member agencies of the FRICC are DARPA, NSF, DOE, NASA, AND NIH.

In the least restrictive case, all bona fide researchers and scholars, public and private, from the United States and foreign countries (unless denied access by national policy) are allowed access.

BITNET and UUCP (and other) networks are interconnected to the Internet via mail relays. It is the responsibility of the managers of these mail relays to ensure that the e-mail messages (‘‘traffic’’) that enters the Internet via their mail relays meets the acceptable use policy of the member agency providing the internet access.

Miscellaneous Information

Problems: call Chloe Holg (213) 822-1511 or e-mail to holg@isi.edu.