Mail2Dir

U s e r   G u i d e

Mail2Dir

Move mail to spool directory

User Guide

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1. INTRODUCTION

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Mail2Dir may also be used during the 30-day trial/evaluation period of the shareware version of FrontDoor. After this period, FrontDoor must be registered if you want to continue using this program (or FrontDoor).

What is Mail2Dir?

Mail2Dir is a utility that can be used together with the FrontDoor mailer, "FD" hereafter.

What it does:

❑ Mail2Dir moves all messages and files that are addressed to certain systems to specified directories. It can for instance be used to move mail for a point over a LAN, or to move mail for systems that wish to pick it up via FTP.

❑ Mail2Dir scans FD's netmail directory and static queue to find the mail and files that are waiting to be sent to the specified systems. When doing this, it honors all the flags and attributes that FD uses.

❑ Mail2Dir is fully integrated with FD, and it reads FD's configuration files to get the necessary information. It also uses FD's semaphore files to prevent any problems.

☞ *The term FD 2.25+ in this document refers to version 2.25 and above of FD.*

Requirements

Mail2Dir requires the following to run:

- ❑   FD version 2.11 or later
- ❑   The environment variable FD pointing to the directory where SETUP.FD is located, or SETUP.FD in the current directory
- ❑   For multiline users, the environment variable TASK containing the task number.

Message and queue entry requirements:

- ❑   Mail2Dir will always ignore all messages or queue entries with **Sent**, **Received** or **Locked** status. It will also ignore those with **File Request** status, since it would not be possible to perform a file request by this method.
- ❑   By default, Mail2Dir will also ignore all messages that have **Crash**, **Immediate** or **FPU** status (if the message has been created locally, i.e. has **Local** status). For messages that are not create locally (i.e. the **Local** flag is missing), the **Crash**, **Immediate** and **FPU** flags are ignored.
- ❑   When processing the static queue, Mail2Dir will process the entries that either are File or Spool entries. Entries that are **Deleted**, **Locked**, or have the **NoPickup** status will be ignored.

☞ *Even if this program works with versions of FD before 2.25, the static queue that is mentioned in this document only exists in version 2.25+.*

Operating system versions

Mail2Dir comes in three different versions, one version for DOS, another one for OS/2 2.x and Warp, and one for Win32 (Windows 95 and NT) console mode. This document uses the name M2D.EXE to refer to all of these versions; the actual filenames are:

DOS	M2D.EXE
OS/2	M2D2.EXE
Win32	M2DW32.EXE

If you are using the OS/2 or Win32 version, please replace any references to M2D.EXE with the correct name above.

2. PROGRAM USAGE

Installation

To install Mail2Dir, copy the file M2D.EXE to a directory.

You can also optionally create a routing file for Mail2Dir, which should be called ROUTE.M2D and located in FD's SYSTEM directory.

Command line format

To use Mail2Dir, run the program and specify some command line parameters. If you run the program without any parameters, a help message is displayed.

The format of the command line for Mail2Dir is:

```
  M2D [switches] <Dir> <Address1> [<Address2> [...]]
```

You can use macros anywhere on the command line if you wish. See Macros below for more information.

Parameters

switches

This parameter can be one or more of the switches listed below.

All switches can be abbreviated to the shortest unique name, which is the uppercase part of the name in the list. You can use either a / (slash) or a - (dash) in front of each switch.

<Dir>

This parameter is the directory to which Mail2Dir should move all messages and files for the systems specified with the **<Address?>** parameters.

<Address1>, <Address2>, ...

These parameters are used to specify up to 10 addresses. Mail2Dir will move all messages and files addressed to one of these addresses to the **<Dir>** directory.

Switches

/Crashok

Use this switch if you want Mail2Dir to process messages and queue entries that have **Crash** or **Immediate** status.

/IFExist=mask

Mail2Dir will only process mail for the specified systems if a file that matches the specified mask exists, otherwise mail for these systems are skipped.

/IFNotexist=mask

Mail2Dir will only process mail for the specified systems if there is no file that matches the specified mask, if there is a matching file, mail for the specified systems are skipped.

/Killempty

Empty netmail messages will not be packed into a .PKT file, they will just be deleted (or marked as **Sent**). If files are attached to the message, they will be moved to the specified directory.

/NOLOCkmissing

By default, Mail2Dir will lock a message or static queue entry that has a file attached, if the attached file is missing when Mail2Dir attempts to copy the file to the destination directory. This prevents the same message/static queue entry from being processed repeatedly, and creates an indication for the system operator that something is wrong. To disable the default behavior, use this switch.

/CMdfile=file

If you want Mail2Dir to process mail for many systems at once, you can use a text file with commands. See "Command file" below for more information.

/Logfile=file

By default, Mail2Dir writes information to the MAIL2DIR.LOG file in the same directory as FD's logfile. Use this switch if you want Mail2Dir to write the log information to another file.

/NOLOGfile

Use this switch if you do not want any logfile at all.

/Usefdlog

Use this switch if you want Mail2Dir to use the same logfile as FD. The name of the logfile will be read from FD's configuration.

Command file

Instead of specifying all information on the command line each time you run Mail2Dir, it is possible to use a text file that contains all the commands.

The command file has the advantage that you can specify that Mail2Dir should process messages and queue entries for more than one system at once, and therefor reduce the number of times you have to run Mail2Dir.

The file is a standard text file, which can contain empty lines and comments. Comments can occur anywhere in the file, and should start with a semicolon (;).

Each line in the file should contain a complete definition for which systems' mail that should be moved, and to where it should be moved. The lines should have exactly the same format as the command line (see above), with the exception that they should not begin with Mail2Dir (i.e. the program name).

You can use macros anywhere on the lines in the command file if you wish. See Macros below for more information.

A few things to think about when using a command file:

❑ Switches specified on the command line together with the **/CmdFile** switch are default for all lines in the command file. It is however not possible to specify a **<Dir>** or a **<Address?>** parameter on the command line, together with the **/CmdFile** switch.

❑ You can not use the **/LogFile**, **/NoLogFile**, **/UseFDLog** or **/CmdFile** switches in the command file. If you do, they will just be ignored.

❑ If you use the **/IfExist** or the **/IfNotExist** switch in the command file, they only apply to the systems specified on the same line.

❑ If you use the **/IfExist** or the **/IfNotExist** switch on the command line together with the /CmdFile switch, the file masks are checked for all systems in the command file.

Examples of a command file

To clarify how the command file works, here is an example of one:

```
C:\OUT\MYPOINT     2:270/19.1 255:3352/3 /CrashOk
X:\FILE\FTP\MATS   2:201/329 /IfNotExist=X:\FILE\FTP\MATS\*.BSY
X:\FILE\FTP\BRUCE 1:170/400 /IfExist=Y:\SEMAPHOR\GETMAIL.NOW
```

The three lines above will tell Mail2Dir to do the following:

❑ Copy all mail and files that are addressed to 2:270/19.1 and 255:3352/3 to the C:\OUT\MYPOINT\ directory, including messages and files that have **Crash** or **Immediate** status.

❑ Copy all mail to 2:201/329 to the X:\FILE\FTP\MATS\ directory, but only if there are no file with the extension .BSY in the X:\FILE\FTP\MATS\ directory.

❑ Copy all mail to 1:170/400 to the X:\FILE\FTP\BRUCE\ directory, but only if there is a file with the name GETMAIL.NOW in the Y:\SEMAPHOR\ directory.

If the command file above is named MAIL2DIR.CMD, it can be used with the following command:

```
M2D /CmdFile=MAIL2DIR.CMD
```

Errorlevels

Mail2Dir exists with errorlevel 0 if there was nothing to do, and with errorlevel 1 if it has moved any messages or files.

Any other errorlevel indicates an error.

3. MESSAGES AND ROUTING

By default, Mail2Dir only processes messages that are addressed to one of the addresses that you specify on the command line or command file. However, it is possible to route messages (with or without files attached). To do this, a file named ROUTE.M2D should be located in FD's system directory.

The ROUTE.M2D file is similar to the ROUTE.FD file that FD uses, however, only a subset of the commands that FD allows are supported by Mail2Dir. The following commands can be used:

For a more thorough documentation of these routing commands, please see the FD documentation.

☞ *You can use the program FDROPT to create the file ROUTE.M2D.*

Routing commands

ROUTE-TO <target> <address-list>

This command specifies that messages (with or without files attached) addressed to a system in <address-list> will be sent via <target>.

ROUTE-FILES <target> <address-list>

Identical to the ROUTE-TO command described above.

NO-ROUTE <address-list>

This command specifies that messages (with or without files attached) addressed to a system in <address-list> will be sent directly to that system.

Special consideration is taken by Mail2Dir when interpreting the NO-ROUTE command in regards to points. Unless an explicit point address is specified, Mail2Dir will send messages to a point via the server/boss system.

DIRECT <address-list>

Identical to the NO-ROUTE command described above.

EXCEPT <address-list>

The EXCEPT command is used to specify an exception to the previously used <address-list>, i.e. to exclude one or more systems from the list.

☞ *Using one of these routing commands only tells Mail2Dir to which system a message should be sent, IF IT IS PROCESSED. For a message to be processed, the destination system has to be specified on either the command line or in the command file specified with /CMDFILE. It is not sufficient to only list a system in the ROUTE.M2D file.*

Message status

Mail2Dir does not differentiate between normal messages and messages with files attached to them. All messages are treated the same.

A message with one of the **Crash**, **Immediate**, **Hold**, **Direct** or **FPU** flags is never affected by routing, and neither is an entry in the static queue.

Mail2Dir supports **KFS**, **TFS**, **KFS!** and **TFS!** status. Any queue entry with **KFS!** or **TFS!** status is processed immediately after the file has been copied, so that the original file is deleted or truncated. For queue entries or netmail file attaches with the **KFS** or **TFS** flags, Mail2Dir processes these after all files have been copied. If there are no remaining file attaches or queue entries for a file that has been copied, the file is deleted or truncated, depending on the **KFS** and **TFS** flag.

Appendix A: MACROS

A few macros can be used with Mail2Dir, both on the command line, and in the command file. These macros could for instance be useful if you want to have one logfile per day.

Macros are used in the same way as you use macros in FDSETUP, i.e. $[name].

The following macros are supported:

Macro	Description
YYYY	The current year, 4 digits
YY	The current year, 2 digits
MM	The current month, 2 digits
DD	The current day, 2 digits
WW	The number of the current weekday, 1 digit (0 – Sunday, 1 – Monday, ..., 6 – Saturday)
WDAY	The name of the current weekday, 3 characters (SUN, MON, ..., SAT)

If the macro you specified is not one of these, Mail2Dir checks if there is an environment variable with this name, and if there is, uses the value of the environment variable.

An example of a command line that uses these macros is:

```
M2D /LogFile=M2D-$[MM]$[DD].LOG C:\DESTDIR 2:201/329
```

This would tell Mail2Dir to use a logfile that contains the month and day number.

Appendix B: VERSION HISTORY

Mail2Dir 1.10

New feature:

Added OS/2 and Win32 versions of the program.

Added support for FD 2.25+.

Messages and queue entries with a non-existing file attached are now locked by default.

Added routing possibilities. (See "Messages and routing" above).

Added switch /NoLockMissing. (See "/NOLOCkmissing" above).

Added switch /Killempty. (See "/Killempty" above).

Changes:

Messages from one of the addresses defined in SETUP.FD will no longer be processed if the message does not have **Local** status.

Bug fixes:

Mail2Dir did not complain when it processed a static queue entry that pointed to a non-existing file.

There were a few situations when Mail2Dir would insert the wrong filename in the subject line of the message after copying the file to a different name.

Mail2Dir 1.00

Initial version

Appendix C: CONTACT INFORMATION

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Please refer to our website (above) for additional information such as the FrontDoor Developer's Kit (FDDEV), the *FrontDoor Frequently Asked Questions* (FDFAQ) document, and more.

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