

UFM-Guide Release 1.1 documentation

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Chapter 1

UFM-Guide Release 1.1 documentation

1.1 UFM-Guide Release 1.1 documentation

```
**** UFM, the UMS- mailserver ****
```

UFM stands for UMS File Mailer. It's a mail-server running under UMS for the Amiga (TM).

UFM is only usable under UMS V 11 or bigger! Read the manual and the history carefull.

```
usage
installation
security
cleanup
bugs
todo
UFMProtect
History
the end (&copyright)
```

1.2 usage

```
UFM PASSWORD/A,INFOLEVEL/N,MAKEINDEX/K:
```

whereas password is the password for UFM given in ums.config and infolevel is a number between 0 and 4.

Infolevel describes the volume of information the sysop from the calling ums- server gets above the requests done. See UFM.InfoLevel . Recommended is a Infolevel of 2 or 3.

With the option "Makeindex" you need the password given in ums.config under UFM.INDEXPASSWD. If it is correct, UFM will build the mainindex in the rootdir.

UFM needs a minimum stack of 20000.

Commands
Distribute (Command)

1.3 Commands

The usage of UFM related commands is described in UFM_HELP, which is part of the UFM- distribution.

1.4 Distribute (Command)

I'd like to explain the command "distribute" here, because it is a sysop only command.

DISTRIBUTE P=PASSWORD/A/K,F=FILE/A/K,L=LISTFILE/A/K,T=TEXTFILE/K

Distribute a File to the addresses given in a listfile and send a additional textfile to the users.
-Password is the password given in UFM.CommandPasswd.
-File is the name of a file accessible by the mailserver, it has to be located in the ufm dir's.
-Listfile is a file somewhere on your filesystem.
The listfile has the format "Username,Address", each line one user. If there is no comma in the line, the part after a AtSign (@) will be the username, than the whole line is the address.
-The textfile will be send in plain format and have to have the same protection as the file in FILE given. It will contain additonal information about the FILE.
The TEXTFILE must be located in the UFM dir's.

Distribute uses softlinkes for the distributet files, so you will safe a lot of space of your UMS- messagebase when using this command.

Example Listfile:
test,test@test.domain.no1.de
herman,ms.maus
user@somewhere.no1.de

1.5 installation

To install UFM create a directory, to put all the files in, wich can be accessed by request. (Take the structure of the UFM-maildir!)

Create another directory and put the files "UFM_HELP", "UFM_presend.txt" and "UFM_postsend.txt" in and edit the .txt files to your own convenience.

"UFM_presend.txt" is the text send on the beginning of the userlog, a logfile about every request send to the user who requested something.
"UFM_postsend.txt" is the text send on the end of a userlog.

In the same directory copy the directory "UFM_COFFEE".
The easiest way is to copy the "UFM-ctrlldir".

Put the binary "UFM" in your shell path. Make sure that the comands
"UFMprotect", "sort", "btoa", "uuencode", "lha", "zoo", "unzip", "copy" and
"delete" are in the path, too.

Append following to your ums.config:

```

USER
( name                UFM )
( password            loginpassword )
( alias               mail-server )
( netaccess            #? )
( Distribution         "(#?|%)" )
( ReadAccess           "~(#?)" )
( WriteAccess          "~(#?)" )
( UFM.maildir          dh2:UFM-maildir )
( UFM.ctrlldir         dh2:UFM-ctrlldir )
( UFM.maxerrs          5 )
( UFM.minlimit         1023 )
( UFM.maxlimit         122880 )
( UFM.PASSWD           mypasswd )
( UFM.CommandPasswd    verysecret )
( UFM.RequestSubject    dorequest )
( UFM.HelpSubject       gethelp )
( UFM.ReplyName         Postmaster )
( UFM.ReplyAddress      postmaster@your.system.address )
( UFM.ForbidAddress     #?ashhole.domain )
( UFM.Name              mail-server )
( UFM.InfoLevel         4 )
( uucp.username         mail-server )
ENDUSER

```

Config variables

Test the Installation

1.6 Config variables

```

UFM.maildir
UFM.ctrlldir
UFM.maxerrs
UFM.minlimit
UFM.maxlimit
UFM.PASSWD
UFM.errlog
UFM.errloglevel
UFM.CommandPasswd
UFM.RequestSubject
UFM.HelpSubject
UFM.ReplyName
UFM.ReplyAddress
UFM.Name
UFM.ForbidAddress

```

UFM.InfoLevel

1.7 UFM.maildir

-The UFM.maildir is the dir you created first.

1.8 UFM.ctrlldir

-The UFM.ctrlldir is the dir where UFM finds his post- and presend.txt, helpfiles and the coffee.

1.9 UFM.maxerrs

-UFM.maxerrs is the maximum of errors in a request before you lose patience. This means, if five (in this example) or more errors done by the commands given by a user in one request occur, UFM will abort working on the request and send the user a short help.

1.10 UFM.minlimit

-UFM.minlimit is the minimum of bytes for a LIMIT command. This means, if the limit given by the user is lower than the number in UFM.minlimit, the limit will be set to default. (63K)

1.11 UFM.maxlimit

-UFM.maxlimit is the opponent to UFM.minlimit. It's the maximum of bytes, a LIMIT command accept. For more information about the LIMIT command please take a look in UFM_HELP.

1.12 UFM.PASSWD

-UFM.PASSWD is the password, must be given in a request via the command PASSWORD to request a file by the command SEND or GET or see a file or dir with the command INDEX wich is protected.

1.13 UFM.errlog

-The UFM.errlog is the path to the debugging outfile. (optional!)

1.14 UFM.errloglevel

-The UFM.errloglevel is the debugginglevel. This can be a number between 0 and 10. For normal usage the recommended number is 0. Then no debugging output will be done. (optional, default is 0!)

1.15 UFM.CommandPasswd

-With the option "Makeindex" you need the password given in UFM.CommandPasswd. If it is correct, UFM will build the mainindex in the rootdir.
The CommandPasswd is also used by the command "Distribute".
For more information see UFM_HELP or the chapter "security".

1.16 UFM.RequestSubject

-If UFM.RequestSubject is set, UFM reacts only on messages, send to UFM, with the Subject given in this configvar. If the variable isn't set, the default will be "request". This means, to send a request to UFM, the requestor have to use this given subject. Otherwise UFM doesn't read the message.

1.17 UFM.HelpSubject

-If UFM.HelpSubject is set, UFM reacts only on messages, send to UFM, with the Subject given in this configvar. If the variable isn't set, the default will be "help". This means, to send a request to UFM, the requestor have to use this given subject. Otherwise UFM doesn't read the message.

1.18 UFM.ReplyName

-UFM sets the UMS messagetags "ReplyName" and "ReplyAddres" with the value found in the config var's "UFM.ReplyName" and UFM.ReplyAddress .
If "UFM.ReplyAddress" is empty, the adress will be "sysop@" followed by your "sysname" in your ums.config.

1.19 UFM.ReplyAddress

-UFM sets the UMS messagetags "ReplyName" and "ReplyAddres" with the value found in the config var's UFM.ReplyName and "UFM.ReplyAddress".
If "UFM.ReplyAddress" is empty, the adress will be "sysop@" followed by your "sysname" in your ums.config.

1.20 UFM.Name

-If this variable is used, UFM reacts only on messages with a UMSTAG_ToName equal to the string given in "UFM.name".
The string given in UFM.name must be identical to the name for the UMS User UFM or any of his aliases!

1.21 UFM.ForbidAddress

-Addresses may be forbidden by the multi-line ums-configvar "UFM.ForbidAddress". There is no response to the forbidden user and a "F" for forbidden is prompted in the CLI.

1.22 UFM.InfoLevel

-Depend on the value the userreport will contain less or more information. Beware! The infolevel given by commandline determine the size of the sysopreport, it's different to the ums.configvar.
The meaning of the level: (userlevel and sysoplevel)
0: No Report will be written.
1: Errors, reject/abort warnings, command confirmation and pre-/postsend text,
2: and Notes belong to errors and warnings,
3: and "what goes on" Notes,
4: Full report will be written.

1.23 Test the Installation

To test your installation first call UFM with Makeindex to create an index in the rootdir, (e.g. UFM Password_from_CLI 4 makeindex verysecret) then write two mails to user UFM with no address.

First: subject help, no text

Second: subject request, text:

```
HELP
INDEX
END
```

Type into your shell: "UFM Password_from_CLI 4". UFM must process two messages. After that call your ums- messagereader. You must have got five mails by UFM.

- 1.) The short help,
 - 2.) The long help
 - 3.) The index of your path given in UFM.maildir,
 - 4.) The userlog of the helprequest,
 - 5.) The userlog of the indexrequest,
 - 6.) The sysoplog.
-

1.24 security

Users never see where you stored your files! The path by a user seen is everytime a path inside your statement done at UFM.maildir.

(e.g Real path is "dh2:UFM-maildir/amiga/comm/myfile" User can only see "amiga/comm/myfile".)

A path with a colon (:) or more than one following slash (//, ///...) will be rejected.

You can secure your system by using a password. The mechanism used by UFM is easy. Amiga-Dos supports file protection since Kickstart 1.0. Since this time, the protection field can get a maximum of 16 bits. But not before System 3.0 Commodore uses all of them.

Bit No. 14 is described as "Otherflags Read". If this Bit is not set, UFM can't read a file or show it without a password given by the requestor. You can affect this bit with the command `UFMProtect` or the OS 3.x command `"Protect"`.

Be carefull! By default a file has no set Bit No. 14. To make it accessable by UFM you have to unprotect it with `UFMProtect`!

If the password attached to the UFM.PASSWD is the same as the password given by the user he can get the file by `SEND` or see it by `INDEX`. Otherwis

he get a errornote or, in case of a `INDEX` command, he see nothing.

The security mechanisms don't work, if you use Filelinks!

1.25 cleanup

To cleanup your messagebase, use this command:

```
sumsset name pswd "EXPORTED & FromUser=UFM & !SUBJECT=UFM- Sysopreport" EXPIRE
```

before you call `cleanums`.

This will delete all messages created by UFM who contend binary or userinformation to prevent your UMS- messagebase from overload.

1.26 bugs

actually no known. Send bugreport to adress below.

1.27 todo

Todo list of UFM: (* means done)

- *-support of compress
- *-support of lha
- *-support of lha extract in INDEX
- *-send single contents of a archive
- Userlog as a part of a request
- *-a index tool and a modified INDEX mechanism in UFM

1.28 UFMProtect

UFMProtect FILENAME/A,P=PROTECT/S,U=UNPROTECT/S

UFMProtect is designed to protect or unprotect a file for UFM.

- To prevent a file from requesting without the password protect it with "UFMProtect <filename> P".
- To make a file free accessable unprotect it with "UFMProtect <filename> U".
- To check the protection of a file type "UFMProtect <filename>".

1.29 History

M - Major bugfixed
 S - Small bugfixed
 C - Feature changed
 N - New feature

UFM 0.7 (Nov 16 1994)

- (UFM S) UFM don't react on other subjects than "help" and "request". Otherwise a short errormail will be send.
- (UFM N) New configvars: "UFM.requestsubject" and "UFM.helpsubject". To redefine the valid subject to do a help or a request. Default is "request" and "help".

UFM 1.0 (10.07.95)

- (UFM C) UFM don't read messages with other subjects than defined in "UFM.requestsubject" and "UFM.helpsubject". If these variables are not in ums.config the default will be "request" and "help".
- (UFM sendfile N) UFM sets the UMS messagetags "ReplyName" and "ReplyAdress" with the value found in the new config var's "UFM.ReplyName" and "UFM.ReplyAddress". If "UFM.ReplyAddress" is empty, the adress will be "sysop@" followed by your "sysname" in your ums.config.
- (all C) "UFM.INDEXPASSWD" renamed to "UFM.CommandPasswd" for general use in different commands.
- (UFM_DoDistribute N) New command "Distribute P=PASSWORD/A/K,F=FILE/A/K,L=LISTFILE/A/K" When the PASSWORD in configvar: "UFM.CommandPasswd" given is correct,

- send FILE to the users, defined in the LISTFILE (path and filename are free, must not in the UFM directories).
 The listfile has the format "Username,Address", each line one user.
 If there is no comma in the line, the part till a AtSign (@) will be the username, than the whole line is the address.
- (UFM_DoDistribute N) New commandlineoption in distribute: "T=TEXTFILE/K".
 The file will be send in plain format and have to had the same protection as the file in FILE given.
 The TEXTFILE must be located in the UFM dir's.
 - (UFM_DoIndex S) A pattern must be inserted between quotation marks (").
 Otherwise ReadArgs will have Problems with the given pattern and UFM may be crash. So UFM checks now every pattern for the '"'.
 (UFM_DoIndex S) When indexing in LONG mode a obsolete system() call let appear a wrong warning in the cli. fixed.
 - (UFM_sendfile N) If an error occurs while writing a file to the message-base, a "E" for error will be prompted in the CLI.
 - (UFM_sendfile N) Addresses my be forbidden by the multi-line ums-configvar "UFM.ForbidAddress". No response to the forbidden user and a "F" for forbidden prompted in the CLI.
 - (UFM S) Lineparser is more reliable. Better protection against memory failure and defective messages.
 - (UFM N) New configvar "UFM.name". If this variable is used, UFM reacts only on messages with a UMSTAG_ToName equal to the string given in "UFM.name".
 The string given in UFM.name must be identical to the name for the UMS User UFM or any of his aliases!

UFM 1.1 (01.08.95)

- (UFM C) Read only private messages to user.
- (UFM C) Pattern to recognize textfiles extendend to
 "~(#?(.read?me|.doc|.dok|.man|.tmp|.txt|.guide| \ LONG|INDEX|UFM_HELP|UFM_HELP_SHORT))"
- (UFM_sendfile S) UFM had tried to delete non existing files due to a wrong pointer.
- (UFM_DoDistribute S) Trailing space char's in a distributionlist will be deleted. Space char's between the words are replaced with one space.
- (ALL N) New ums.config- var "UFM.INFOLEVEL". Depend on the value between 0 and 4 the userreport will contain less or more information.
 Beware! The infolevel given by commandline determine the size of the sysopreport
 The meanig of the level: (userlevel and sysoplevel)
 0: No Report will be written.
 1: Errors, reject/abort warnings, command confirmation and pre- and postsend text.
 2: Notes belong to errors and warnings.
 3: "what goes on" Notes.
 4: Full report will be written.
- (UFM M) Line parser failed on commands with no argument.
- (UFM_DoIndex N) INDEX and LONG- index are protected inside UFM.
 Internal UFM UFMProtect is no longer used.
- (ALL C) Translated the last and forgotten strings to english.

1.30 the end (©right)

UFM is giftware.

The copyright is by Christian Rütgers'93- 95 and the same as for the ums.library with the following exceptions!

It's not allowed to include this programm in a series of professional distributed media without the written permission of the author. Just so it's not allowed to distribute UFM incomplete in any case.

A complete UFM archive must contain:

```
ums (dir)
  Tools (dir)
    UFM (dir)
      UFM-ctrlldir (dir)
        UFM_COFFEE (dir)
          Black_Coffee.txt           Milk_Coffee.txt
          Milk_Sugar_Coffee.txt      Sugar_Coffee.txt
        DIR_STRUCT.txt              UFM_HELP
        UFM_HELP_SHORT              UFM_postsend.txt
        UFM_presend.txt
      UFM-maildir (dir)
        [lot_of_deleted_empty_subdirs]
      UFM.history
  bin (dir)
    ufm                             UFMProtect
  doc (dir)
    english (dir)
      UFM.guide
  UFM.readme                        .Product_Info
```

If you found a bug or have any suggestion to enhance UFM send me a mail to: "chr@quack.westfalen.de" or "Ch_Ruetgers@ms.maus.de".

SnailMail: Christian Rütgers
Niedersachsenring 110
48147 Münster

If you use UFM, you have to send me a gift of your own choice. All between a beer and a ocean cruiser would be nice.

1.31 Index

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