MetaView

COLLABORATORS			
	TITLE : MetaView		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		November 23, 2024	

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

MetaView

1.1 main

```
   M E T A V I E W   2 . 5
```

Requirement
Installation
What is it?
Shareware
Bugs
Errormsg.

Start
ARexx
Menu
Requesters
converting more then one

History
Author
Thanks
Index

1.2 requirement

```
- any Amiga
- OS 2.x (only tested with 3.0)
- 1 MB RAM or better (more than 0.5 MB free ChipMem)
- for Kick 3.x, the 'tabs.gadget' (included)
- for Kick 3.1, maybe the new 'SetPatch' (included)
```

1.3 installation

```
   - doubleclick the install-icon.
or
   - copy the 'libs/amigametaformat.library' to 'libs:'
   - create the drawer 'libs:AMF/'
   - copy all files from 'libs/AMF/' to 'libs:AMF/'
   - copy from 'libs/gadgets/tabs.gadget' to 'sys:classes/gadgets/'
   - copy the executable "MetaView", where ever you want
   - remark the path to MetaView in 'envarc:MetaView.path', with 'echo "(MetaView  ←
       path)/MetaView" >envarc:MetaView.path'
   and if you have:
   - copy the keyfile "keyfile.metaview" to the same directory like the executable
```

1.4   what is it

```
   Programm to view and convert
   * AMF files
   * CGM files
   * CMX files (work in progress)
   * DR2D files
   * DSDR files
   * DXF files
   * GEM files
   * HPGL files (work in progress)
   * WMF files (also embeded in Windows(tm) CLP files)
   * WPG files (version 1.0, version 2.0 work in progress)
   * XFIG files (version 3.0 or 3.1)
to
   * AI
   * AMF
   * CGM
   * DR2D
   * EPS (with TIFF preview)
   * GEM
   * HPGL
   * ILBM
   * JMF
   * WMF
   * XFIG

   The CMX import replace the the CDR import. Still work in progress.
```

1.5   shareware

```
SHAREWARE:
   This MetaView are shareware. If you use this programm regulary you must pay
   30,- DM (20 $) to me. After this you get the newest version from MetaView
   and the keyfile. Without the keyfile you can't save your pictures about
   ARexx.
   For bank account and my address, please look at the end of file.
   The executable are freely distributable, only the keyfile "keyfile.metaview"
   are not freely distributable without permission from me.
```

To get the newer versions from MetaView, bugfixes etc. please look at
"Aminet:gfx/conv/" or you send me a empty disk and a franked and filled
return envelop.

1.6 bugs

- Not all WMF-codes are supported, but the most WMF-files should work.

- In this version MetaView can't display and convert any included BitMaps!!!

- If you find a bug on startup and own Kick 3.1, please install the new
  SetPatch 43.6 (included) and try again.

- If you find any other bug please feel free to send me a mail with the
  following dates:
  - your configuration
  - in which cases the bug appears
  - if there only appears on some gfx files, then please send me also the
    gfx files

I TAKE NO WARRANTLY FOR ANY DAMAGES ON YOUR SYSTEM!

1.7 errors

- Warning in the metafiles are mostly harmless. Please look in
  AmigaMetaFormat-description for the exact cause.

  Errors are:
  ```
  0       no errors
  1       not enough memory
  2       not supported
  3       wrong arguments
  4       other
  ```

  ex. Functions are:
  ```
  11      polygons
  15      splines
  16      filled polygons
  21      filled splines
  ```

1.8 start

This programm is startable from Workbench or CLI.
For start from Workbench just doubleclick the icon.
For start from CLI just type in the consolewindow 'MetaView'. You can
give some options:

- LOADNAME   the gfx-file to view

- SAVENAME   the gfx-file to save, for converting, if you have give a

```
                    SAVENAME, then the program will not open the window to show
                    the gfx-file.
                    You can also give only the path for saveing, then the savename
                    will be build from loadname plus new extension for filetype

  - LOAD/K        force to load the gfx-file as AMF,WMF,CMX,DXF,DR2D,WPG,CLP,GEM,
                  CGM,DSDR,HPGL, IF you dont use this option, the program look FOR
                  the filetype alone.

  - SAVE/K        save the gfx-file as AMF,EPS,CGM,GEM,WW,ILBM,AMF2,JMF,WMF or PRT
                  AMF  - AmigaMetaFileFormat
                  AMF2 - AMF with previewpicture (* not yet *)
                  DR2D - Drawing 2D
                  JMF  - Java Metafile
                  WMF  - Windows Metafile
                  CGM  - Computer Graphics Metafile
                  GEM  - GEM Metafile
                  WW   - WordWorth-ARexx-script
                  EPS  - Encapsulated PostScript
                  AI   - Adobe Illustrator
                  ILBM - Interleaved Bitmap
                  HPGL - HP Graphics Language
                  PRT  - Printer
                  CLIP - copy to ClipBoard unit 0
                  PLOT - send HPGL to Plotter
                  POST - send PS to PostScriptPrinter

    if you dont use this option, then you get AMF-files

  - WIDTH/K/N    for ILBM, CLIP and PRT the WIDTH of output (ILBM, CLIP -
                 pixels, PRT, PLOT, POST - mm)

  - HEIGHT/K/N   for ILBM, CLIP, PRT, PLOT and POST the HEIGHT

  - XOFF/K/N     for PRT, POST and PLOT the x-position in mm

  - YOFF/K/N     for PRT, POST and PLOT the y-position in mm

  - DEPTH/K/N    Depth for ILBM, CLIP and PRT output

  - ERRORS/S     writeout debug informations, make a big decrease of the speed
                 of fileparsing

  - NOPROP/S     no preserve picture-aspect

  - TRANSPARENT/S no drawing in background and set color 0 as transparent for
                  ILBM and CLIP output

  - NODISPLAY/S MetaView will not open a screen but only create a ARexxPort
                for background operations

the default options are:
   SAVE   = AMF
   WIDTH  = 640 (ILBM,CLIP) or 50 (PRT,POST,PLOT)
   HEIGHT = 400 (ILBM,CLIP) or 50 (PRT,POST,PLOT)
   XOFF   = 0
   YOFF   = 0
```

```
   DEPTH  = 4
```

1.9 batch

For converting a whole directory of cliparts you can use the shellscript
"s:spat". How to use:
1. go to the CLI
2. write down the following command in one line
    "s:spat <MetaView-path>/MetaView <Source-path>/<Source-pattern>
    <Destination-path>/ SAVE <Saveformat>"

   substitute <MetaView-path>   with the path to MetaView
   substitute <Source-path>   with the path to the source directory
   substitute <Source-pattern>   with the pattern for the Sourcefiles,
                                    look at the DOS manual
   substitute <Destination-path>   with the path to the destination directory,
                                    must exist
   substitute <Saveformat>   with the format, you want to convert to

Example: "s:spat work:MetaView/MetaView cd0:clips/#?.wmf Cliparts: SAVE DR2D"

1.10 arexx

  MetaView opens a ARexxPort based on the name "METAVIEW" a point "." and a
  number starting at 0. So if you start MetaView once the ARexxPort name are
  "METAVIEW.0".
  Commands:
  – LOAD   load a gfx-file
     LOADNAME/A   name of gfx-file
     AS/K   force to load gfx-file as AMF,WMF,...
  – SAVE   save a gfx-file
     SAVENAME/A   name of gfx-file
     AS/K   save the gfx-file as AMF,EPS,GEM,CGM,HPGL,DR2D,WW,ILBM,JMF, ←
        WMF,XFIG
     WIDTH/K/N   pixel width for ILBM output
     HEIGHT/K/N   pixel height for ILBM output
     DEPTH/K/N   depth for ILBM output
  – PRINT   print a gfx-file
     XOFF/K/N   left offset in mm
     YOFF/K/N   right offset in mm
     WIDTH/K/N   width in mm
     HEIGHT/K/N   height in mm
     DEPTH/K/N   depth of printing
  – COPY   copy a gfx-file to clipboard (unit 0)
     WIDTH/K/N   pixel width
     HEIGHT/K/N   pixel height
     DEPTH/K/N   depth
  – SET   set some attributes
     PROP/S   preserve picture-aspect
     NOPROP/S   no preserve picture-aspect
     TRANSPARENT/S   background transparent
     NOTRANSPARENT/S no transparent
```

```
    – REQUESTFILE      ask for a filename (in "result")
       PATH             initial filepath and –name
       TITLE/K          title of requester
       OK/K             string for ok–button
       PATTERN/K        string for pattern
    – REQUESTCHOICE    ask for options    (in "rc")
       TITLE/K          title of requester
       BODY/K           string for question
       BUTTONS/K        string for buttons (seperate with "|")
    – REQUEST          inform the user
       BODY/F           information string
    – ASKFONT          ask the user for unkown fonts
       NO/S             or use the default font
    – QUIT             quit MetaView
```

There exist some ARexx-Scripts in the drawer "ARexx-Examples".

1.11   menu

```
  – Project
     – Open     (look here for formate)
     – Open as
        – AMF
        – WMF
        – CLP
        – DR2D
        – WPG
        – DXF
        – FIG
        – CMX
        – DSDR
        – GEM
        – CGM
        – HPGL
     – Save as  (look here for formate)
        – AMF
        – AMF+PIC  /* not yet */
        – ILBM
        – EPS
        – GEM
        – CGM
        – DR2D
        – HPGL
        – WW
        – AI
        – WMF
        – JMF
        – FIG
     – Print
     – Plotter
     – PostScript
     – About
     – Quit
  – Other
     – Logo         – draw the start picture again
```

```
           - Info          - show some picture infos (type, size, version)
           - Copy          - copy to clipboard (unit 0)
      - Settings
           - Aspect        - preserve picture aspect (proportions) or not
           - Transparent   - draw to background or not (importend for ILBM brush)
           - Change...     - change screentype, -mode, -depth and defaultfonts
```

1.12 requesters

```
  - Print
      - you can set the print dimension either by numbers (mm) or by drawing
        a rectangle with the mouse (press leftmousebutton and drag)
      - you can set the depth of printing (from black and white to 256 colors)
      - you can suppress the paper ejecting
      - you can switch on a frame outside of picture
  - Save ILBM
      - you can set the picture dimension and the depth
      - the switch strip means, that the picture will be render in 9 stripes
        and saved to one ILBM to save ChipMem and allow big ILBM-Pictures
  - Change Settings...
      - you can set either custom- or publicscreen
      - change the name of publicscreen
      - change the screenmode and -depth
      - set the defaultfonts (for serif, sans serif, deco, typewriter, script)
      - allow the progressbar
      - select the EPS preview size
      - change printer.device and unit
      - select plotter.device and postscript.device
  - Substitute FONT
      - substitute the not existing font either with
        defaultfonts (serif, sans serif, ...) or a special font, selected now
      - press "USE" for using now or "INCLUDE" for including by save as other
        formats
```

1.13 preferences

```
  - Settings saved in env:MetaView.prefs and envarc:MetaView.prefs as ASCII
    and can also edit separate

    Defaults:
      SCREENMODE=$8004
      SCREENWIDTH=-1
      SCREENHEIGHT=-1
      SCREENDEPTH=4
      CUSTOMSCREEN=TRUE
      PUBLICSCREEN=Workbench
      SERIF_FONT=Times.font
      SANS_FONT=Helvetica.font
      TYPE_FONT=Courier.font
      SCRIPT_FONT=Times.font
      DECO_FONT=Times.font
      PRINT_DEVICE=printer.device
```

```
        PRINT_UNIT=0
        PLOTTER=PLT:
        POSTSCRIPT=PSPRT:
        PROGRESS=0          -> 0 - none; 1 - only I/O; 2 - I/O and refresh
        EPS_PREVIEW=0       -> 0 - no preview; 32/64/128/256 the max. size of preview
```

1.14 formate

```
Format      Description

Save:

   AMF       Amiga MetaFile
             my own format, deviceindependent, fast and based on
             AmigaMetaFormat.library

   CGM       ComputerGraphicMetafile
             uses on Amiga (WordWorth, with colors), PC or UNIX

   GEM       uses on Amiga (WordWorth, no colors), PC or Atari

   EPS       Encapsulated PostScript
             uses on all Computersystems, can also printed on PSPrinters,
             TIFF preview is possible

   HPGL      Hewlett-Packard Graphics Language
             uses for Plotters

   DR2D      Drawing 2D
             uses on Amiga (PageStream, DrawStudio, ProVector etc.)

   ILBM      Interleaved BitMap
             uses on Amiga (DPaint etc.) but lost quality on sizeing

   AI        Adobe Illustrator

   WMF       Windows MetaFile
             uses on PC (many Clipart-CDs)

   JMF       Java MetaFile uses on the WWW, please
             look at my HomePage for more informations

   FIG       uses on Amiga (AmiFIG or XFig) and UNIX (XFig)

Load:

   AMF

   CLP       Clipboard
             uses for ClipBoard on PC (Windows)

   WMF

   WPG       Wordperfect Graphic
             uses on PC (WordPerfect), (some Clipart-CDs)
```

```
CMX       uses on PC and also Macintosh (CorelDraw),

DR2D

DXF       Drawing Exchange File
          uses on PC and UNIX (AutoCAD), (mostly CAD files)


DSDR      DrawStudio Drawing
          uses on Amiga (DrawStudio)

FIG

GEM

CGM

HPGL
```

1.15 author

```
Henk Jonas
Zionskirchstrasse 28
10119 Berlin
Germany

email: subvcbhd@dattel.zrz.tu-berlin.de
tel.:  +49 (0)30 4492199

WWW: http://user.cs.tu-berlin.de/~jonash

bank account:
Name:              Henk Jonas
Name of bank:      Berliner Sparkasse (Berlin, Germany)
Number of bank:    100 500 00
Number of account: 1744 037 104

Please fill out the following form and send it to me:

---------------- cut here -------------------------

Name:       _____

Address:    _____

            _____

Hometown:   _____

Country:    _____

EMail:      _____

Payment:    o Banktransfer (preferred)
```

```
            o Money (on your own risk!)
            o Check (payable to me)

    Comment:    _____

                _____

    --------------- cut here -------------------------
```

1.16 thanks

```
    - to all peoples, that support the AMIGA
    - to all peoples, that understand my bad english ;-)
    - to my girlfriend and my rat ;-)
    - to all peoples that mail or write me
    - and last but not least to all peoples, that have register, thanx
```

1.17 index_e

```
Preferences
 - change      - file
Print

R
Register

W
WMF           Workbench
```