BMP

Gunther Nikl

BMP

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WRITTEN BY	Gunther Nikl	August 22, 2022				

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BMP

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Chapter 1

BMP

1.1 BMP picture datatype

BMP Picture DataType for Workbench 3.0 or above Written by Gunther Nikl in 1995 FreeWare

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History

1.2 introduction

This datatype has been created to supersede the bmp.datatype v39.4 from the 3.1 NDK. That datatype was limited to 16 and 256 color pictures, handled only Windows type BMPs (but didn't check for this) and had other quite serious bugs - one of them crashed my Amiga.

Sometime ago I had to deal with pictures in BMP format and so I got some information about the format. To use these information I decided to create a datatype since I wanted to know if its possible to use gcc to program one :^)

The datatype supports 1, 4 and 8 Bit BMPs. It handles OS/2 1.x, Windows 3.x and OS/2 2.x types of BMPs correctly. The bmp.datatype does currently (?) not support 24 bit and compressed BMPs.

Please note:

- 1.) Some types of BMP pictures are called to be in a 'DIB' format, but these are simple BMPs only with another extension.
- 2.) Compressed BMPs are usually bigger than the uncompressed ones (AFAIK) and have often a '.rle' file extension.

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3.) Pictures from OS/2 Warp are in the OS/2 2.x format, thus can be handled by this datatype (as long as the pictures are uncompressed of course)

1.3 installation

The "BMP" datatype distribution should consist of the following files:

- · Classes/DataTypes/bmp.datatype
- Devs/DataTypes/Windows BMP
- · Devs/DataTypes/Windows BMP.info
- · BMPdt.guide
- · BMPdt.guide.info
- · Source code

Copy the "bmp.datatype" into the "SYS:Classes/DataTypes" drawer. The "BMP" and "BMP.info" files should be placed in the "DEVS:DataTypes" drawer. In order to use the datatype doubleclick on the BMP.info file (or reboot the machine).

1.4 bugs

Currently none known :^)

1.5 author

The "BMP" datatype was written from scratch by Gunther Nikl using GNU-C 2.7.0 for the C-part and SNMA for the assembler part. All required information to create the datatype were obtained from the sample source code by David N. Junod found in the 3.1 NDK.

The author can be reached at:

email: gnikl@informatik.uni-rostock.de

or

snail: Gunther Nikl

Ziegendorfer Chaussee 96

Parchim 19370 GERMANY

Final note: Use at your own risk!

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1.6 history

v40.1 - initial release