My branch at github
 This branch is even with ultibohub:master.

git clone https://github.com/develone/Tools.git

cd Tools/Bin2Type/

cp -R ~/Tools/Bin2Type/ ~/Ultibo_Projects/bin2type/newlinux/

cd ~/Ultibo_Projects/bin2type/newlinux/Bin2Type

~/ultibo/core/lazbuild --os=linux Bin2Type.lpi

using config file /home/devel/ultibo/core/lazarus.cfg
Hint: (lazarus) [RunTool] /home/devel/ultibo/core/fpc/bin/fpc "-iWTOTP" "-Tlinux"
Hint: (lazarus) [RunTool] /home/devel/ultibo/core/fpc/bin/fpc "-va" "-Tlinux" "compilertest.pas"
TProject.DoLoadStateFile Statefile not found:
/home/devel/Tools/Bin2Type/lib/arm-linux/Bin2Type.compiled
Info: (lazarus) Execute Title="Compile Project, Mode: Default, Target: lib/arm-linux/Bin2Type"
Info: (lazarus) Working Directory="/home/devel/Tools/Bin2Type/"
Info: (lazarus) Executable="/home/devel/ultibo/core/fpc/bin/fpc"
Info: (lazarus) Param[0]="-B"
Info: (lazarus) Param[1]="-Tlinux"
Info: (lazarus) Param[2]="-Parm"
Info: (lazarus) Param[3]="-MDelphi"
Info: (lazarus) Param[4]="-Scghi"
Info: (lazarus) Param[5]="-CX"
Info: (lazarus) Param[6]="-O2"
Info: (lazarus) Param[7]="-XX"
Info: (lazarus) Param[8]="-l"
Info: (lazarus) Param[9]="-vewnhibq"
Info: (lazarus) Param[10]="-Fi/home/devel/Tools/Bin2Type/lib/arm-linux"
Info: (lazarus) Param[11]="-Fl/opt/gnome/lib"
Info: (lazarus) Param[12]="-Fu/home/devel/ultibo/core/lcl/units/arm-linux/gtk2"
Info: (lazarus) Param[13]="-Fu/home/devel/ultibo/core/lcl/units/arm-linux"
Info: (lazarus) Param[14]="-Fu/home/devel/ultibo/core/components/lazutils/lib/arm-linux"
Info: (lazarus) Param[15]="-Fu/home/devel/ultibo/core/packager/units/arm-linux"
Info: (lazarus) Param[16]="-Fu/home/devel/Tools/Bin2Type/"
Info: (lazarus) Param[17]="-FU/home/devel/Tools/Bin2Type/lib/arm-linux/"
Info: (lazarus) Param[18]="-FE/home/devel/Tools/Bin2Type/lib/arm-linux/"
Info: (lazarus) Param[19]="-dLCL"
Info: (lazarus) Param[20]="-dLCLgtk2"
Info: (lazarus) Param[21]="-dBorland"
Info: (lazarus) Param[22]="-dVer150"
Info: (lazarus) Param[23]="-dDelphi7"
Info: (lazarus) Param[24]="-dCompiler6_Up"
Info: (lazarus) Param[25]="-dPUREPASCAL"

Info: (lazarus) Param[26]="Bin2Type.lpr"
Hint: (11030) Start of reading config file /home/devel/ultibo/core/fpc/etc/fpc.cfg
Hint: (11031) End of reading config file /home/devel/ultibo/core/fpc/etc/fpc.cfg
Free Pascal Compiler version 3.1.1 [2021/08/10] for arm
Copyright (c) 1993-2015 by Florian Klaempfl and others
(1002) Target OS: Linux for ARMHF
(3104) Compiling Bin2Type.lpr
(3104) Compiling Main.pas
/home/devel/Tools/Bin2Type/Main.pas(183,38) Hint: (5057) Local variable "WorkByte" does not seem to be initialized
/home/devel/Tools/Bin2Type/Main.pas(78,26) Hint: (5024) Parameter "Sender" not used
/home/devel/Tools/Bin2Type/Main.pas(79,27) Hint: (5024) Parameter "Sender" not used
/home/devel/Tools/Bin2Type/Main.pas(266,2) Note: (5027) Local variable "Scale" is assigned but never used
/home/devel/Tools/Bin2Type/Main.pas(80,24) Hint: (5024) Parameter "Sender" not used
/home/devel/Tools/Bin2Type/Main.pas(81,24) Hint: (5024) Parameter "Sender" not used
/home/devel/Tools/Bin2Type/Main.pas(82,25) Hint: (5024) Parameter "Sender" not used
/home/devel/Tools/Bin2Type/Main.pas(82,46) Hint: (5024) Parameter "Action" not used
/home/devel/Tools/Bin2Type/Main.pas(83,31) Hint: (5024) Parameter "Sender" not used
/home/devel/Tools/Bin2Type/Main.pas(84,30) Hint: (5024) Parameter "Sender" not used
/home/devel/Tools/Bin2Type/Main.pas(85,29) Hint: (5024) Parameter "Sender" not used
/home/devel/Tools/Bin2Type/Main.pas(86,28) Hint: (5024) Parameter "Sender" not used
/home/devel/Tools/Bin2Type/Main.pas(91,29) Hint: (5024) Parameter "Sender" not used
/home/devel/Tools/Bin2Type/Main.pas(87,31) Hint: (5024) Parameter "Sender" not used
/home/devel/Tools/Bin2Type/Main.pas(88,29) Hint: (5024) Parameter "Sender" not used
/home/devel/Tools/Bin2Type/Main.pas(89,31) Hint: (5024) Parameter "Sender" not used
/home/devel/Tools/Bin2Type/Main.pas(90,28) Hint: (5024) Parameter "Sender" not used
/home/devel/Tools/Bin2Type/Main.pas(49,3) Hint: (5023) Unit "LMessages" not used in Main
/home/devel/Tools/Bin2Type/Main.pas(50,3) Hint: (5023) Unit "Messages" not used in Main
(9022) Compiling resource /home/devel/Tools/Bin2Type/lib/arm-linux/Bin2Type.or
(9015) Linking /home/devel/Tools/Bin2Type/lib/arm-linux/Bin2Type
/home/devel/Tools/Bin2Type/Bin2Type.lpr(60,1) Warning: (9034) "crtbegin.o" not found, this will probably cause a linking failure
/home/devel/Tools/Bin2Type/Bin2Type.lpr(60,1) Warning: (9034) "crtend.o" not found, this will probably cause a linking failure
(1008) 543 lines compiled, 5.0 sec
(1021) 2 warning(s) issued
(1022) 20 hint(s) issued
(1023) 1 note(s) issued

cd lib/arm-linux/
ls -la
total 2220
drwxr-xr-x 2 devel devel   4096 Aug 17 07:23 .
drwxr-xr-x 3 devel devel   4096 Aug 17 07:23 ..
-rwxr-xr-x 1 devel devel 2060360 Aug 17 07:23 Bin2Type
-rw-r--r-- 1 devel devel   803 Aug 17 07:23 Bin2Type.compiled
-rw-r--r-- 1 devel devel   9536 Aug 17 07:23 Bin2Type.o
-rw-r--r-- 1 devel devel   29112 Aug 17 07:23 Bin2Type.or
-rw-r--r-- 1 devel devel   3980 Aug 17 07:23 Bin2Type.res
-rw-r--r-- 1 devel devel   3034 Aug 17 07:23 Main.lfm
-rw-r--r-- 1 devel devel   41772 Aug 17 07:23 Main.o

-rw-r--r-- 1 devel devel   95602 Aug 17 07:23 Main.ppu

./Bin2Type

Depress Convert. This will create a file MyData.pas 7835 lines
This gets pasted in **"fcltest.lpr".**
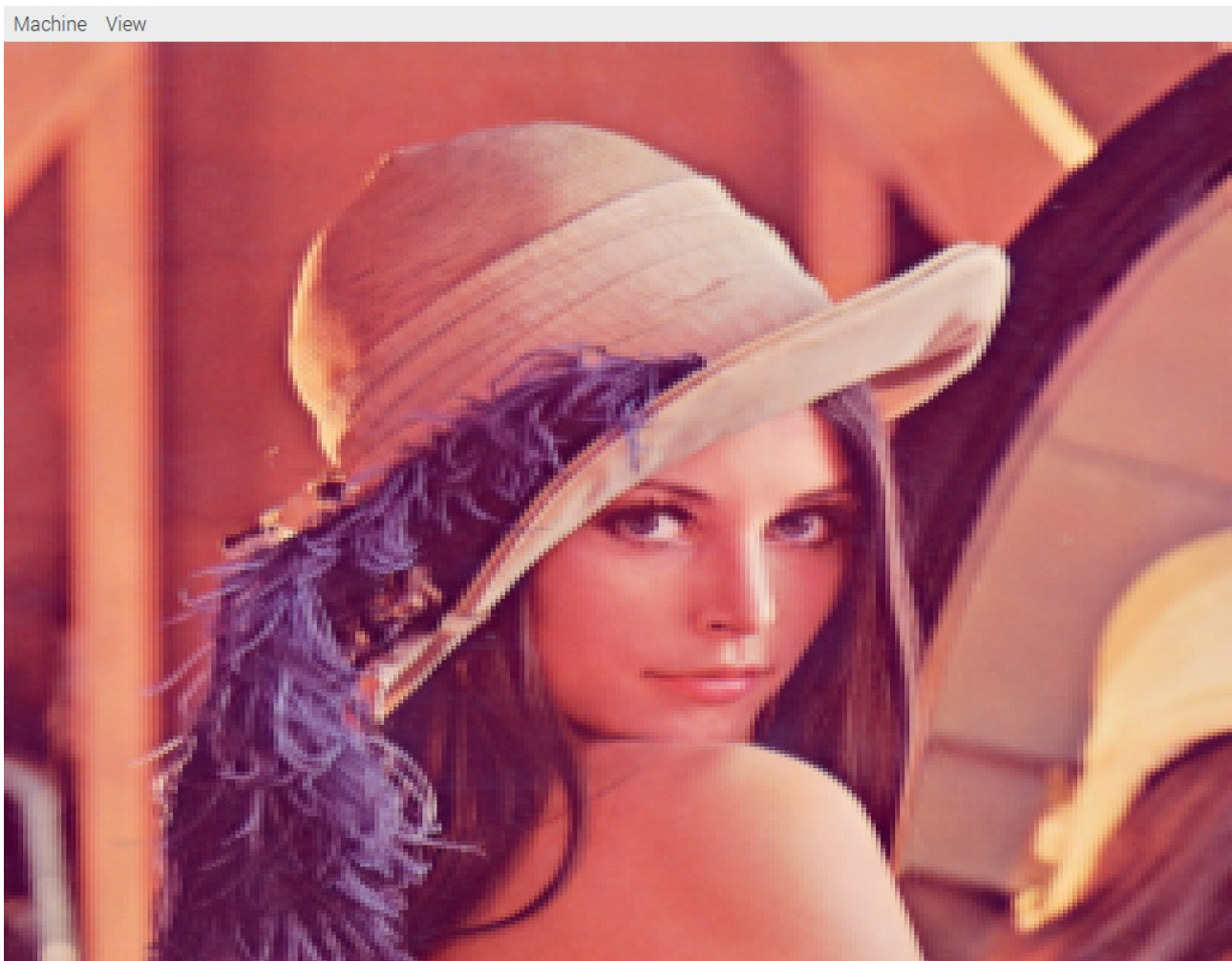type
 TBinaryData = array[0..125261] of Byte;

var
 BinaryData:TBinaryData = (
  $89,$50,$4E,$47,$0D,$0A,$1A,$0A,$00,$00,$00,$0D,$49,$48,$44,$52,
  $00,$00,$01,$00,$00,$00,$01,$00,$08,$02,$00,$00,$00,$D3,$10,$3F,
  $31,$00,$00,$00,$09,$70,$48,$59,$73,$00,$00,$0B,$13,$00,$00,$0B,
  $13,$01,$00,$9A,$9C,$18,$00,$00,$00,$07,$74,$49,$4D,$45,$07,$E5,

                        .
                        .
                        ,

```
$59,$F6,$E6,$6B,$6D,$F3,$E2,$97,$BB,$C3,$AA,$CD,$00,$56,$B5,$7E,
$28,$A8,$42,$1C,$42,$C5,$28,$51,$85,$6E,$28,$0C,$D8,$15,$92,$9E,
$41,$01,$62,$F1,$28,$CD,$B4,$CE,$3A,$9B,$CF,$57,$B7,$D7,$BB,$05,
$A9,$77,$40,$AD,$ED,$2E,$D3,$E8,$13,$6F,$8F,$CE,$FA,$CD,$78,$72,
$BC,$3D,$EE,$28,$59,$DD,$F4,$FC,$FF,$01,$53,$DC,$33,$CD,$EA,$8B,
$69,$FB,$00,$00,$00,$00,$49,$45,$4E,$44,$AE,$42,$60,$82
);
```

~/Ultibo_Projects/bin2type/QEMU $ ./startqemu.sh

Using a smaller window and a smaller image 128 x 128 instead of 256 x 256.

Ultibo Core (Release: Beetroot Version: 2.1.099 Date: 4 August 2021)

15:37:39

TFTP Demo.