

\*\*\*\*\*Default\*\*\*\*\*  
Steps to compile a program that will take in binary and create a file of type.  
08/17/21  
\*\*\*\*\*Default\*\*\*\*\*

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"

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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

```

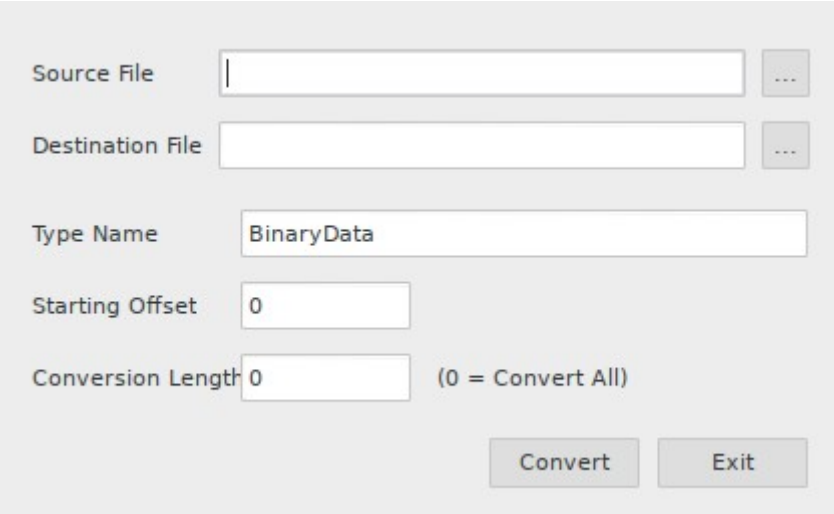
```

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

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

./Bin2Type



A screenshot of a graphical user interface for a utility named 'Bin2Type'. The window has a light gray background and contains several input fields and buttons. At the top, there are two rows for file selection: 'Source File' and 'Destination File', each with a text box and a small button with three dots. Below these is a 'Type Name' field containing the text 'BinaryData'. Further down are 'Starting Offset' and 'Conversion Length' fields, both containing the value '0'. To the right of the 'Conversion Length' field is the text '(0 = Convert All)'. At the bottom right of the window are two buttons labeled 'Convert' and 'Exit'.

Source File	<input type="text"/>	...
Destination File	<input type="text"/>	...
Type Name	<input type="text" value="BinaryData"/>	
Starting Offset	<input type="text" value="0"/>	
Conversion Length	<input type="text" value="0"/>	(0 = Convert All)
<input type="button" value="Convert"/> <input type="button" value="Exit"/>		