Custom Raspbian Image
with Lazarus FPC installed

=

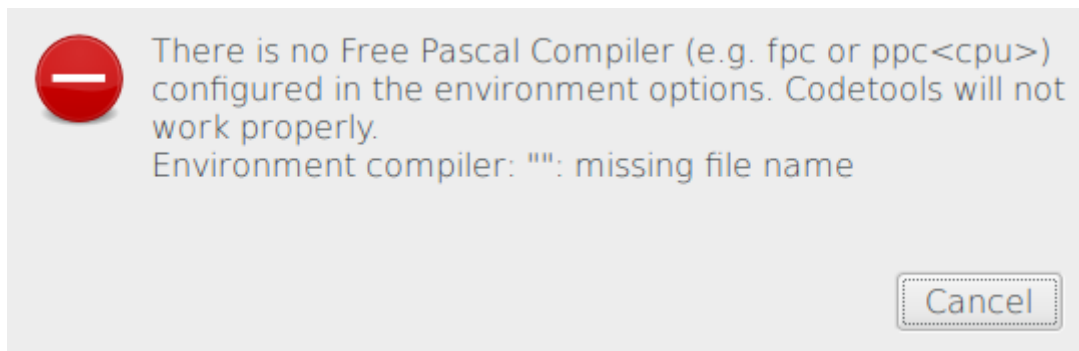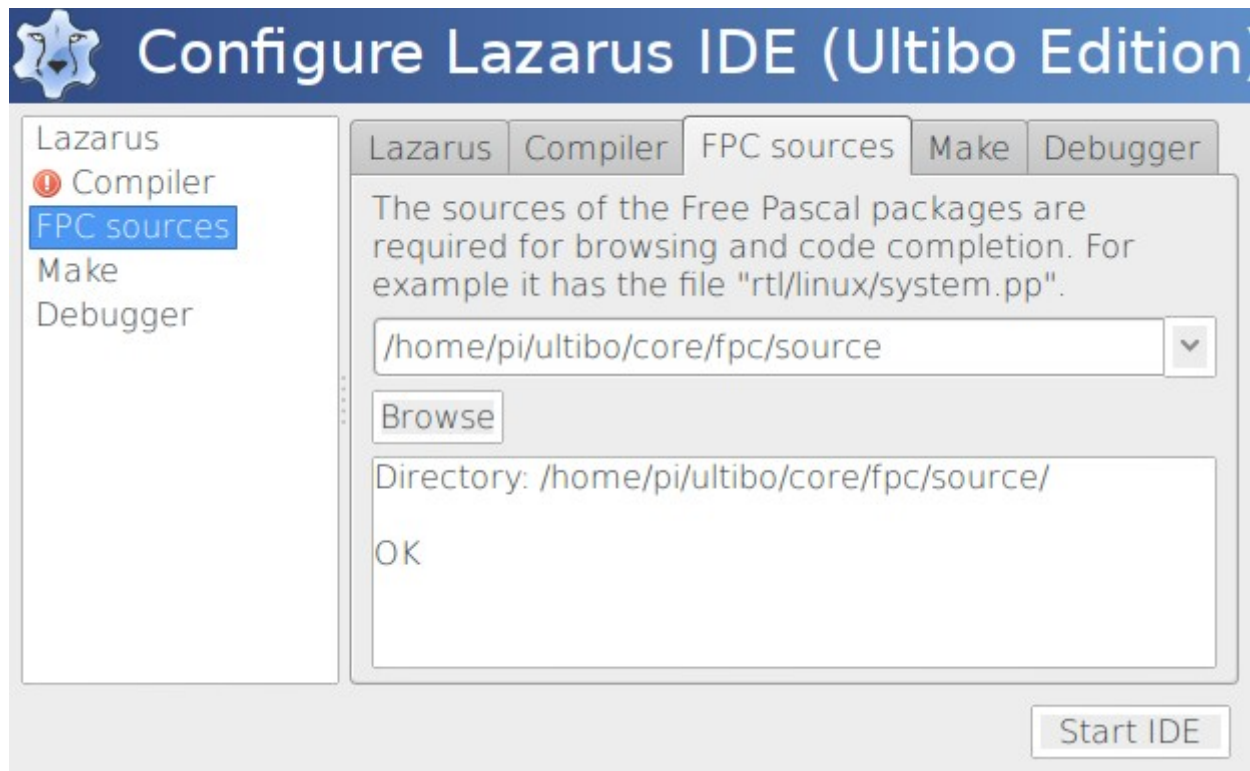# image_2018-02-14-RaspbianUltibo.zip
Demo
02/16/18

First Lazarus run

Depress Cancel

Highiight Compiler *Browse to ultibo/core/fpc/bin/ppcarm*
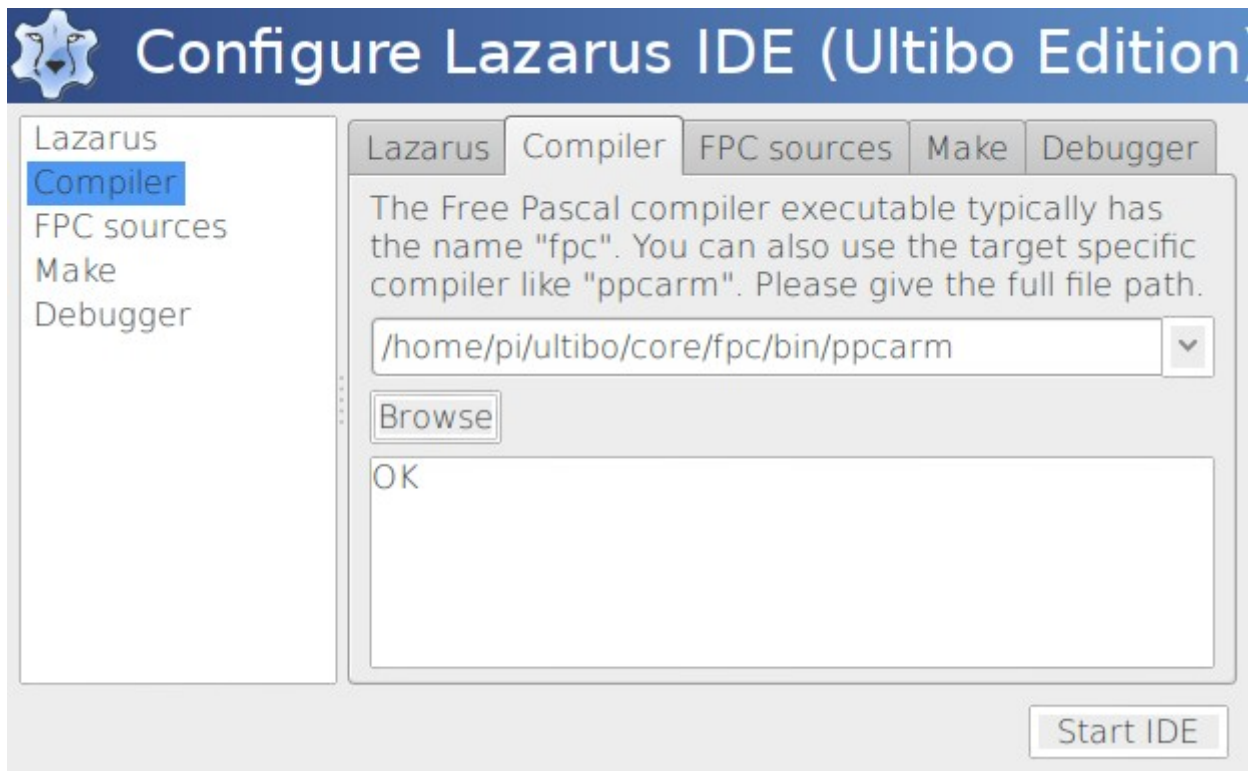
Depress Start IDE

git clone https://github.com/develone/Demo.git
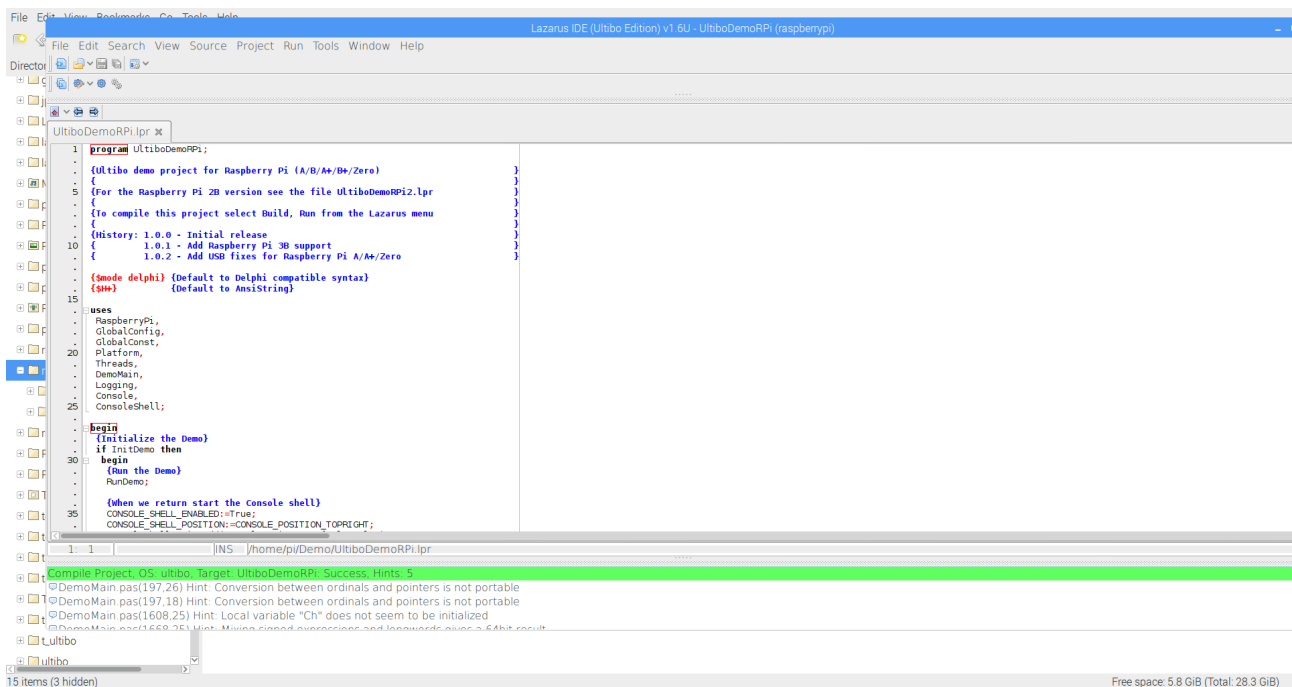
Compile for Raspberry Pi

Demo boot

Ultibo Core (Release: Beetroot Version: 2.0.189 Date: 14 February 2018)

Welcome to Ultibo...

This demonstration will show some of the features and capabilities of Ultibo core, the entire demo takes about 3 minutes and then you can explore other features further on your own. We'll cover common features like the console, memory, threading, dates and times as well as files and folders. Then we'll move on to have a look at the network if you have one connected and some devices like USB.

Rp Zero

Compile for Raspberry Pi 2B


```
1  program UltiboDemoRPi2;
.
.  {Ultibo demo project for Raspberry Pi 2B                          }
.  {                                                                 }
5  {For the Raspberry Pi A/B/A+/B+/Zero version see the file UltiboDemoRPi.lpr  }
.  {                                                                 }
.  {To compile this project select Build, Run from the Lazarus menu  }
.  {                                                                 }
.  {History: 1.0.0 - Initial release                                 }
10 {         1.0.1 - Add Raspberry Pi 3B support                     }
.  {         1.0.2 - Add USB fixes for Raspberry Pi A/A+/Zero        }
.
.  {$mode delphi} {Default to Delphi compatible syntax}
.  {$H+}          {Default to AnsiString}
15
.  uses
.    RaspberryPi2,
.    GlobalConfig,
.    GlobalConst,
20   Platform,
.    Threads,
.    DemoMain,
.    Logging,
.    Console,
25   ConsoleShell;
.
.  begin
.    {Initialize the Demo}
.    if InitDemo then
30   begin
.    {Run the Demo}
.    RunDemo;
.
.    {When we return start the Console shell}
35   CONSOLE_SHELL_ENABLED:=True;
.    CONSOLE_SHELL_POSITION:=CONSOLE_POSITION_TOPRIGHT;
```

```
1: 1                    INS    /home/pi/Demo/UltiboDemoRPi2.lpr
Compile Project, OS: ultibo, Target: UltiboDemoRPi2: Success, Hints: 5
DemoMain.pas(197,18) Hint: Conversion between ordinals and pointers is not portable
DemoMain.pas(1608,25) Hint: Local variable "Ch" does not seem to be initialized
DemoMain.pas(1668,25) Hint: Mixing signed expressions and longwords gives a 64bit result
DemoMain.pas(17,6) Hint: Unit "UltiboClasses" not used in DemoMain
```

Raspberry Pi 3B

Ultibo Core (Release: Beetroot Version: 2.0.189 Date: 14 February 2018)

First some basics, this is a Raspberry Pi 3B with 1024MB of memory and 4 CPUs available.

The current temperature of the system on chip is about 38 degrees.
The clock speed of the CPU is 1200MHz.
After loading this demo there is 860MB of available memory remaining.