**********Draft**********

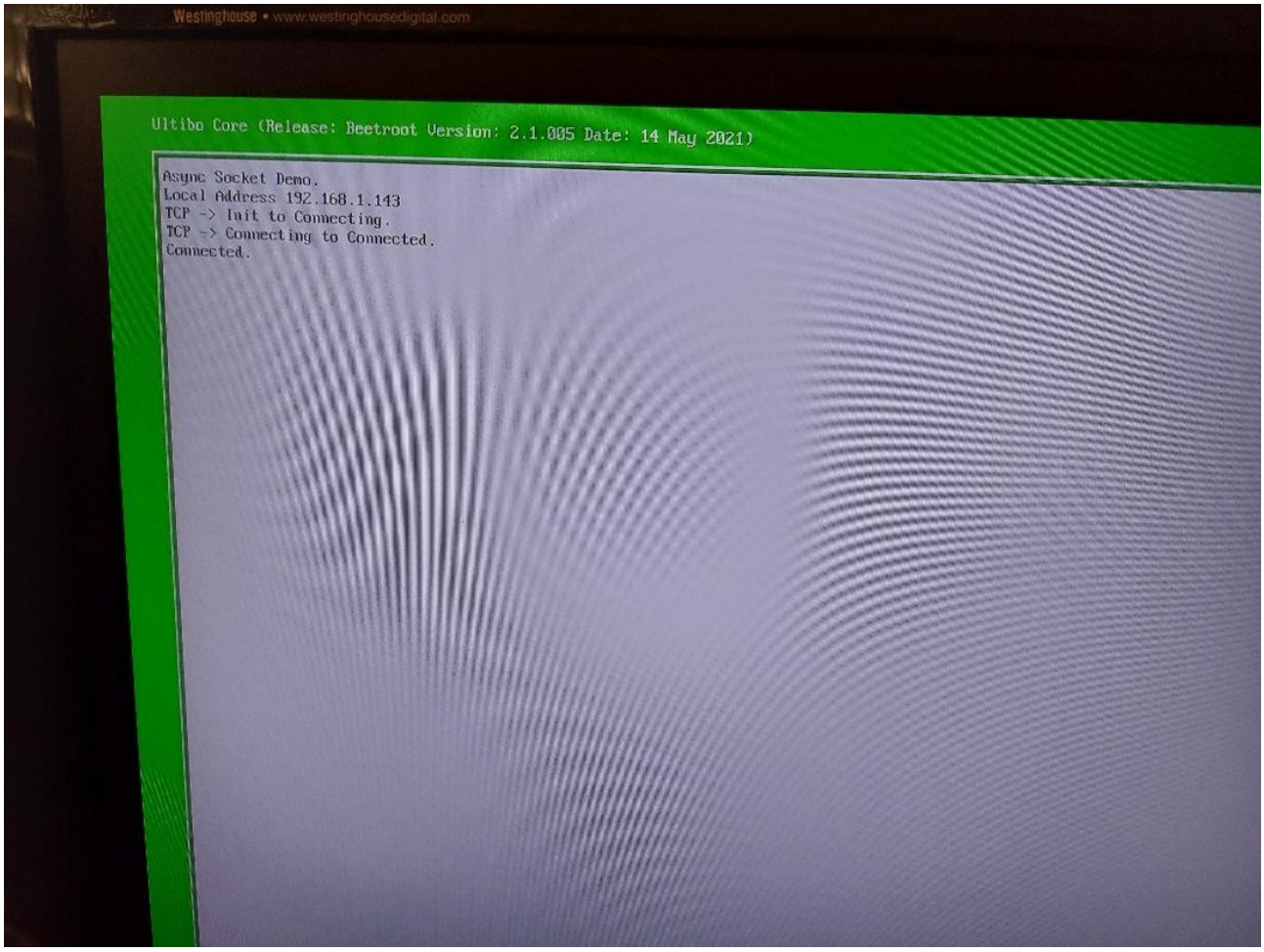
Adding Webstatus to AsyncTest

06/12/21

**********Draft**********

The kernel7l,img was transferred to Ulitbo System with the following command **“tftp 192.168.1.143 < cmdstftp”**
tftp> tftp> Sent 2959144 bytes in 8.5 seconds
This new kernel7l.img will reboot.

Contents cmdstftp
binary
put kernel7l.img
quit



Following the Reboot of Ultibo on RPi4B, if the server was running on Raspberry Pi OS

./server
Socket created successfully
Done with binding

Listening for incoming connections.....

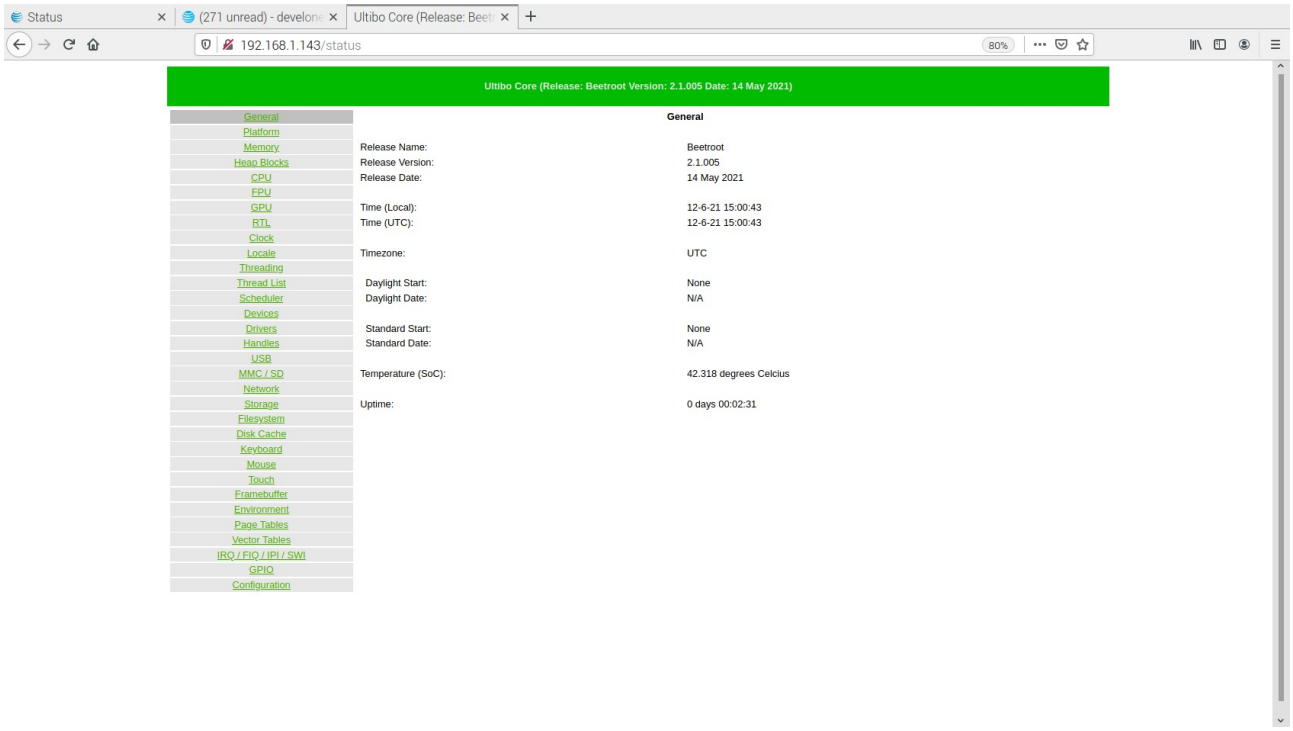
Client connected at IP: 192.168.1.143 and port: 49152

Changes needed to support Webstatus.

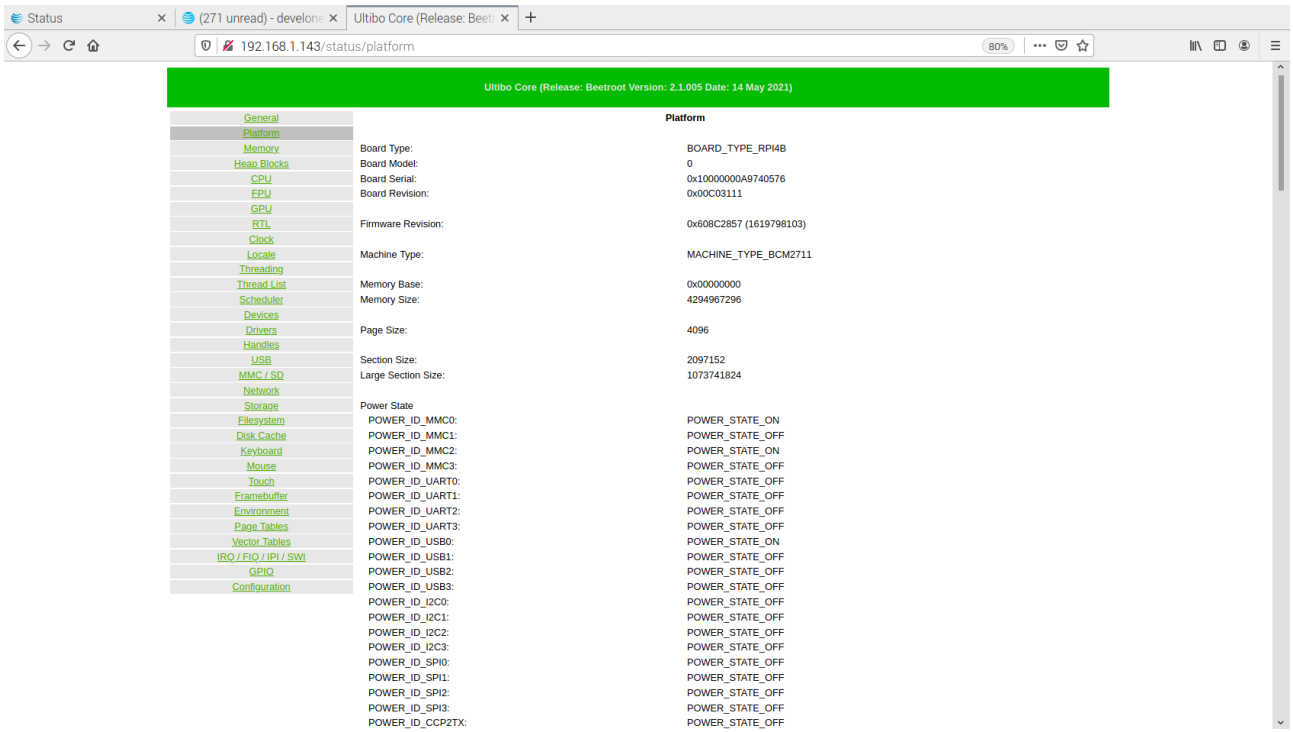
```
git diff AsyncTest.lpr
diff --git a/AsyncTest/RPi4/AsyncTest.lpr b/AsyncTest/RPi4/AsyncTest.lpr
index c25f488..4602862 100644
--- a/AsyncTest/RPi4/AsyncTest.lpr
+++ b/AsyncTest/RPi4/AsyncTest.lpr
@@ -33,7 +33,8 @@ uses
   FileSystem,  {Include the file system core and interfaces}
   FATFS,       {Include the FAT file system driver}
   MMC,         {Include the MMC/SD core to access our SD card}
-  BCM2711,
+
+  //BCM2711,
   HTTP,        {Include HTTP and WebStatus so we can see from a web browser what is happening}
   WebStatus
   { Add additional units here };
@@ -43,6 +44,7 @@ var
   WindowHandle : TWindowHandle;
   IPAddress : string;
   ch : char;
+  HTTPListener:THTTPListener;

 function display_string (s : string) : string;
   var
@@ -118,7 +120,12 @@ begin
   aSocket.Addr := '192.168.1.245';
   aSocket.Port := 5050;
   aSocket.Connect;
-
+  {Create and start the HTTP Listener for our web status page}
+  HTTPListener:=THTTPListener.Create;
+  HTTPListener.Active:=True;
+  Sleep(5000);
+  {Register the web status page, the "Thread List" page will allow us to see what is happening in
the example}
+  WebStatusRegister(HTTPListener,'','',True);
   while true do
     begin
       if ConsoleReadChar (ch, nil) then
```

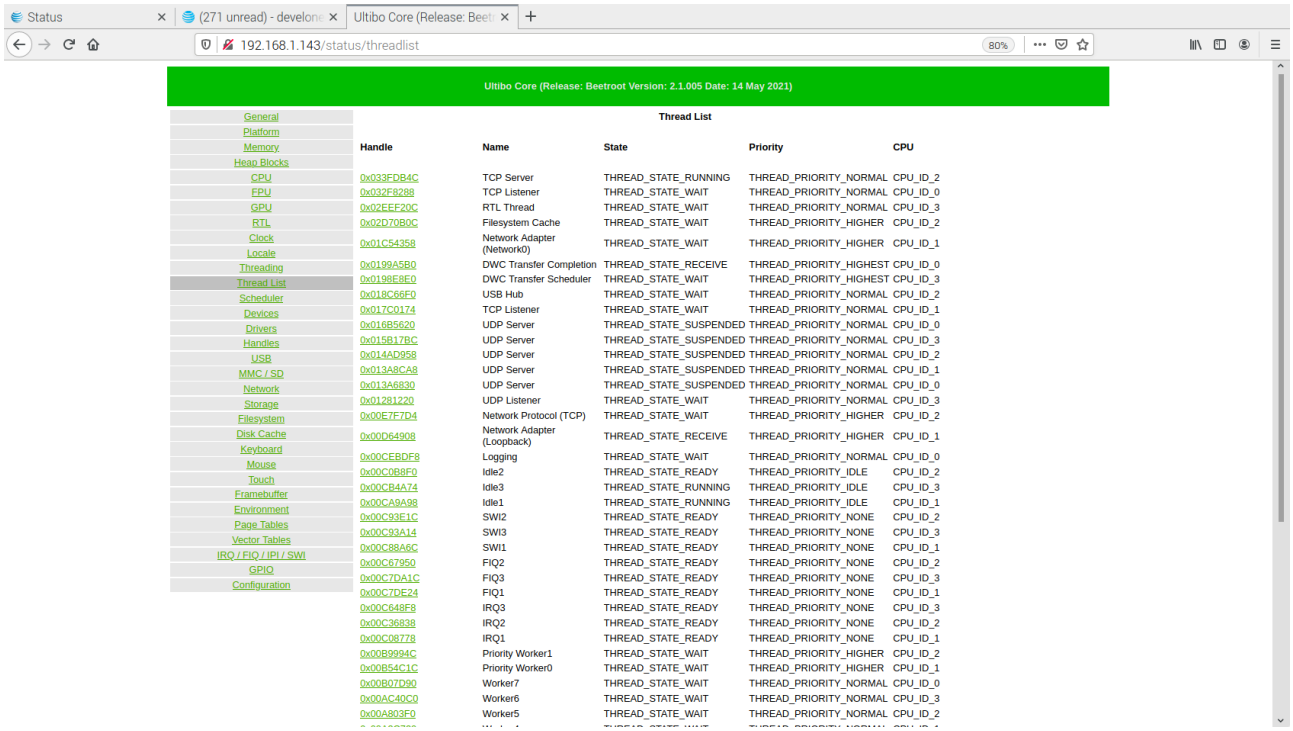
General



Platform



Thread List



Ultibo Core (Release: Beetroot Version: 2.1.005 Date: 14 May 2021)

- General
- Platform
- Memory
- Heap Blocks
- CPU
- FPU
- GPU
- RTL
- Clock
- Locale
- Threading
- Thread List
- Scheduler
- Devices
- Drivers
- Handles
- USB
- MMC / SD
- Network
- Storage
- Filesystem
- Disk Cache
- Keyboard
- Mouse
- Touch
- Framebuffer
- Environment
- Page Tables
- Vector Tables
- IRQ / FIQ / IPI / SWI
- GPIO
- Configuration

Thread List

Handle	Name	State	Priority	CPU
0x033FDB4C	TCP Server	THREAD_STATE_RUNNING	THREAD_PRIORITY_NORMAL	CPU_ID_2
0x032F8288	TCP Listener	THREAD_STATE_WAIT	THREAD_PRIORITY_NORMAL	CPU_ID_0
0x02EEF20C	RTL Thread	THREAD_STATE_WAIT	THREAD_PRIORITY_NORMAL	CPU_ID_3
0x02D70B0C	Filesystem Cache	THREAD_STATE_WAIT	THREAD_PRIORITY_HIGHER	CPU_ID_2
0x01C54358	Network Adapter (Network0)	THREAD_STATE_WAIT	THREAD_PRIORITY_HIGHER	CPU_ID_1
0x0199A5B0	DWC Transfer Completion	THREAD_STATE_RECEIVE	THREAD_PRIORITY_HIGHEST	CPU_ID_0
0x0198E8E0	DWC Transfer Scheduler	THREAD_STATE_WAIT	THREAD_PRIORITY_HIGHEST	CPU_ID_3
0x018C66F0	USB Hub	THREAD_STATE_WAIT	THREAD_PRIORITY_NORMAL	CPU_ID_2
0x017C0174	TCP Listener	THREAD_STATE_WAIT	THREAD_PRIORITY_NORMAL	CPU_ID_1
0x016B5620	UDP Server	THREAD_STATE_SUSPENDED	THREAD_PRIORITY_NORMAL	CPU_ID_0
0x015B17BC	UDP Server	THREAD_STATE_SUSPENDED	THREAD_PRIORITY_NORMAL	CPU_ID_3
0x014AD958	UDP Server	THREAD_STATE_SUSPENDED	THREAD_PRIORITY_NORMAL	CPU_ID_2
0x013A8CA8	UDP Server	THREAD_STATE_SUSPENDED	THREAD_PRIORITY_NORMAL	CPU_ID_1
0x013A6830	UDP Server	THREAD_STATE_SUSPENDED	THREAD_PRIORITY_NORMAL	CPU_ID_0
0x01281220	UDP Listener	THREAD_STATE_WAIT	THREAD_PRIORITY_NORMAL	CPU_ID_3
0x00E7E7D4	Network Protocol (TCP)	THREAD_STATE_WAIT	THREAD_PRIORITY_HIGHER	CPU_ID_2
0x00D64908	Network Adapter (Loopback)	THREAD_STATE_RECEIVE	THREAD_PRIORITY_HIGHER	CPU_ID_1
0x00CEBDF8	Logging	THREAD_STATE_WAIT	THREAD_PRIORITY_NORMAL	CPU_ID_0
0x00C0B8F0	Idle2	THREAD_STATE_READY	THREAD_PRIORITY_IDLE	CPU_ID_2
0x00CB4A74	Idle3	THREAD_STATE_RUNNING	THREAD_PRIORITY_IDLE	CPU_ID_3
0x00CA9A98	Idle1	THREAD_STATE_RUNNING	THREAD_PRIORITY_IDLE	CPU_ID_1
0x00C93E1C	SWI2	THREAD_STATE_READY	THREAD_PRIORITY_NONE	CPU_ID_2
0x00C93A14	SWI3	THREAD_STATE_READY	THREAD_PRIORITY_NONE	CPU_ID_3
0x00C88A6C	SWI1	THREAD_STATE_READY	THREAD_PRIORITY_NONE	CPU_ID_1
0x00C67950	FIQ2	THREAD_STATE_READY	THREAD_PRIORITY_NONE	CPU_ID_2
0x00C7DA1C	FIQ3	THREAD_STATE_READY	THREAD_PRIORITY_NONE	CPU_ID_3
0x00C7DE24	FIQ1	THREAD_STATE_READY	THREAD_PRIORITY_NONE	CPU_ID_1
0x00C648F8	IRQ3	THREAD_STATE_READY	THREAD_PRIORITY_NONE	CPU_ID_3
0x00C36838	IRQ2	THREAD_STATE_READY	THREAD_PRIORITY_NONE	CPU_ID_2
0x00C08778	IRQ1	THREAD_STATE_READY	THREAD_PRIORITY_NONE	CPU_ID_1
0x00B9994C	Priority Worker1	THREAD_STATE_WAIT	THREAD_PRIORITY_HIGHER	CPU_ID_2
0x00B54C1C	Priority Worker0	THREAD_STATE_WAIT	THREAD_PRIORITY_HIGHER	CPU_ID_1
0x00B07D90	Worker7	THREAD_STATE_WAIT	THREAD_PRIORITY_NORMAL	CPU_ID_0
0x00AC40C0	Worker6	THREAD_STATE_WAIT	THREAD_PRIORITY_NORMAL	CPU_ID_3
0x00A803F0	Worker5	THREAD_STATE_WAIT	THREAD_PRIORITY_NORMAL	CPU_ID_2