lwip-users

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RE : [lwip-users] ping.c with NO_SYS

From: Frédéric BERNON

Subject: RE : [lwip-users] ping.c with NO_SYS

Date: Tue, 3 Jun 2008 12:05:43 +0200

> *I am trying to get (outgoing) ping to work with the NO_SYS option*
> *specified. It seems like LWIP_SOCKET should be off for this situation.*

Yes, LWIP_SOCKET=1 is not possible if NO_SYS=1 (same for LWIP_NETCONN)

> *I am guessing the first thing to do would be to call ping_init(), but*
> *after that I am lost. ping_init calls raw_new() then raw_recv() then*
> *raw_bind().*

In fact, the sample is design for NO_SYS=0 (since sys_timeout is used).
When LWIP_SOCKET=1, the code show how to use the raw api. The code need
to be changed to let you provide you a function you can call to do the send.

> *I am guessing that ping_recv() would be called (as a call back) when the*
> *echo is received and that I need to define PING_RESULT() to do something*
> *useful.*

Yes

> *ping_send() for the NO_SYS case is defined as static, with no apparent way*
> *to invoke it. So I am not clear how to get the ping to be sent.*
> *ping_timeout() is also static, perhaps that would be what should be*
> *called, except that I have no sys_timeout() function as such.*

In fact, the problem is I forgot to comment this sample only work with
NO_SYS=0 (the comment only say "This is an example of a ping sender (with
raw API and socket API)", and I don't put a !NO_SYS with "#if LWIP_RAW &&
LWIP_ICMP").

> *Has anyone been using the ping code with NO_SYS? And if so, how do you*
> *make it work for you?*

Sorry, I think you are the first one to report this problem. I attach modified
ping files.
You just have to call ping_init, and each time you want, call the new
"ping_send_now". I
can't test it now, so, tell me if it's help you...

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Best Regards,
Robert

Fighting SPAM with Active Spam Filter, see: http://a-s-k.sourceforge.net/

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lwip-users mailing list
address@hidden http://lists.nongnu.org/mailman/listinfo/lwip-users

📄 **Frédéric BERNON.vcf**
Description: Frédéric BERNON.vcf

📄 **ping.h**
Description: ping.h

📄 **ping.c**
Description: ping.c

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