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Subject: Re: I have a problem linking a LIB  
Posted by [jerson](#) on Thu, 02 Sep 2010 15:30:54 GMT  
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Update on my situation

In the case which compiles and links, I have the API header declared in my main.cpp and the functions which link to the LIB also in the main.cpp in global scope.

Like this

= snippet from Main.cpp  
#include "NIDAQmx.h"

```

/*****/
#define DAQmxErrChk(functionCall) if( DAQmxFailed(error=(functionCall)) ) goto Error; else
void NiCheck()
{
    int32    error=0;
    TaskHandle taskHandle=0;
    UInt32    data;
    char    errBuff[2048]={'\0'};
    int32    read;

    /*****/
    // DAQmx Configure Code
    /*****/
    DAQmxErrChk (DAQmxCreateTask("",&taskHandle));
    DAQmxErrChk
(DAQmxCreateDIChan(taskHandle,"Dev1/port0","",DAQmx_Val_ChannelsForAllLines));

.....

```

In the same project which compiles and links, if I move the functions which link to the LIB into a separate module/cpp file, put the header for the API in that cpp file again in global scope, I end up with tons of errors.

= snippet from NiDaq.cpp

#include "NIDAQmx.h"

```

/*****/
#define DAQmxErrChk(functionCall) if( DAQmxFailed(error=(functionCall)) ) goto Error; else
void NiCheck()
{
    int32    error=0;

```

```

TaskHandle taskHandle=0;
uint32 data;
char errBuff[2048]={'\0'};
int32 read;

/*****
// DAQmx Configure Code
*****/
DAQmxErrChk (DAQmxCreateTask("",&taskHandle));
DAQmxErrChk
(DAQmxCreateDIChan(taskHandle,"Dev1/port0","",DAQmx_Val_ChannelsForAllLines));

.....

```

I am not calling the NiCheck function in either case. Just ensuring that it links for now. The Package organiser knows about the additional library which is located in the same folder as my sources.

I created another test case in which I tried the same steps as the above 2 cases, but it doesn't work in either case

What am I doing wrong ?

Thanks

ps. I have attached the relevant files for completeness

### File Attachments

1) [nidaqmx.zip](#), downloaded 290 times

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